



## Functional Annotation Clustering

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Current Gene List: 3\_Random1

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

73 Cluster(s)

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	Annotation Cluster 1	Enrichment Score: 0.91			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		192	8.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		265	1.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		265	1.7E-1	1.0E0
	Annotation Cluster 2	Enrichment Score: 0.62			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		72	1.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		60	7.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		344	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		339	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		339	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		313	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		313	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		361	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		308	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		308	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		314	2.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		200	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		157	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		167	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		37	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		176	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		176	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	RT		51	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		159	3.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		37	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		139	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		154	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, core</a>	RT		156	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		37	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		158	6.2E-1	1.0E0
	Annotation Cluster 3	Enrichment Score: 0.6			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT		11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT		9	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT		16	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT		14	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT		14	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		17	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT		5	5.2E-1	1.0E0
	Annotation Cluster 4	Enrichment Score: 0.59			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT		158	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT		158	1.1E-1	1.0E0

<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT		156	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT		115	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT		92	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT		43	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT		43	3.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT		39	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT		22	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT		50	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT		59	6.3E-1	9.9E-1
Annotation Cluster 5					Enrichment Score: 0.54		
<input type="checkbox"/>	INTERPRO	<a href="#">ARF/SAR superfamily</a>	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT		5	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ADP-ribosylation factor</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ARF</a>	RT		4	4.5E-1	1.0E0
Annotation Cluster 6					Enrichment Score: 0.49		
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT		13	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT		13	3.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT		13	3.3E-1	1.0E0
Annotation Cluster 7					Enrichment Score: 0.47		
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		118	1.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		118	2.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		140	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		109	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		109	5.5E-1	1.0E0
Annotation Cluster 8					Enrichment Score: 0.45		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		12	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nuclear transport</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleocytoplasmic transport</a>	RT		3	7.8E-1	1.0E0
Annotation Cluster 9					Enrichment Score: 0.42		
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		15	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		12	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT		31	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT		31	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT		31	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		14	4.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT		9	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT		24	6.4E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT		4	7.3E-1	1.0E0
Annotation Cluster 10					Enrichment Score: 0.39		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA metabolic process</a>	RT		6	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA processing</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA capping</a>	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA capping</a>	RT		3	8.9E-1	1.0E0
Annotation Cluster 11					Enrichment Score: 0.39		
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT		16	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT		28	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT		20	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		18	4.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908:serine/threonine-protein phosphatase, conventional type	RT		6	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetrakisphosphatase</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT		13	5.6E-1	1.0E0
<input type="checkbox"/>		<a href="#">PP2Ac</a>	RT		10	5.7E-1	1.0E0

<input type="checkbox"/>	SMART		Enrichment Score: 0.38			Count	P_Value	Benjamini
Annotation Cluster 12								
<input type="checkbox"/>	INTERPRO	<a href="#">EGF_extracellular</a>	RT			17	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT			11	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT			19	6.6E-1	1.0E0
Annotation Cluster 13								
Enrichment Score: 0.37								
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT			22	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT			22	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT			16	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT			16	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT			16	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT			22	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT			18	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT			9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT			9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT			7	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT			15	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor_adaptin-like_N-terminal</a>	RT			3	9.0E-1	1.0E0
Annotation Cluster 14								
Enrichment Score: 0.36								
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_DEAD/DEAH box type_N-terminal</a>	RT			21	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT			25	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT			25	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT			58	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_C-terminal</a>	RT			28	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT			28	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase_superfamily 1 and 2_ATP-binding</a>	RT			27	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity_coupled</a>	RT			42	4.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT			27	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase_N-terminal</a>	RT			26	5.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT			26	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT			31	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase_DEAD-box type_Q motif</a>	RT			10	7.6E-1	1.0E0
Annotation Cluster 15								
Enrichment Score: 0.35								
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum</a>	RT			6	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT			8	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope-endoplasmic reticulum network</a>	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum membrane</a>	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum part</a>	RT			3	6.0E-1	1.0E0
Annotation Cluster 16								
Enrichment Score: 0.33								
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT			16	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT			11	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT			11	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT			11	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT			20	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT			15	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_subunit alpha/beta</a>	RT			11	2.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT			19	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_alpha and beta subunits</a>	RT			10	3.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	<a href="#">PIRSF001212:multicatalytic endopeptidase complex chain C9</a>	RT			5	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_alpha-subunit_conserved site</a>	RT			5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT			19	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT			48	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT			8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT			18	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT			18	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT			21	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT			4	8.1E-1	9.9E-1

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		20	8.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		12	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		12	9.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT		4	1.0E0	1.0E0	
	Annotation Cluster 17	Enrichment Score: 0.33			Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	RT		6	3.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	RT		5	5.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">Kelch</a>	RT		5	5.2E-1	1.0E0	
	Annotation Cluster 18	Enrichment Score: 0.32			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		8	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		8	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		8	4.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		6	5.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class I and II</a>	RT		4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		5	6.6E-1	1.0E0	
	Annotation Cluster 19	Enrichment Score: 0.28			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		40	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		40	4.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		17	5.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		17	8.0E-1	9.9E-1	
	Annotation Cluster 20	Enrichment Score: 0.27			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT		5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide catabolic process</a>	RT		5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid catabolic process</a>	RT		5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide catabolic process</a>	RT		3	7.8E-1	1.0E0	
	Annotation Cluster 21	Enrichment Score: 0.26			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT		10	2.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT		7	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT		7	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT		7	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT		8	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT		8	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		6	5.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT		6	5.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">RabGAP/TBC</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT		4	6.2E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">TBC</a>	RT		3	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT		5	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT		5	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab GTPase activity</a>	RT		3	7.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab protein signal transduction</a>	RT		3	7.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Ras GTPase activator activity</a>	RT		3	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Rab GTPase activator activity</a>	RT		3	7.9E-1	1.0E0	
	Annotation Cluster 22	Enrichment Score: 0.24			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT		14	2.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT		17	3.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT		16	3.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT		10	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT		17	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT		9	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT		10	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT		16	5.4E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002052:histone H4	RT		3	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT		8	5.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H4</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">H4</a>	RT		3	6.3E-1	1.0E0	

Annotation	Term	RT	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	16	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	21	6.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	7	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	5	6.9E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	7	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	7	7.3E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	19	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	9	8.6E-1	1.0E0
Annotation Cluster 23		Enrichment Score: 0.22			
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein_core</a>	8	4.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein_eukaryotic and archaea-type_core</a>	5	6.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	5	6.9E-1	1.0E0
Annotation Cluster 24		Enrichment Score: 0.21			
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	21	3.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	12	4.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	20	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	14	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	15	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	15	7.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	14	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	8	8.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	37	9.2E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 0.2			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein biosynthetic process</a>	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein metabolic process</a>	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid lipidation</a>	4	6.2E-1	1.0E0
Annotation Cluster 26		Enrichment Score: 0.2			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity, phosphotransferases</a>	4	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha-D-phosphohexomutase_alpha/beta/alpha domain_I</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	5	9.6E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 0.18			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	16	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_conserved site</a>	5	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_domain</a>	6	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_subgroup</a>	6	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron_4 sulfur cluster binding</a>	5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	11	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	11	8.2E-1	1.0E0
Annotation Cluster 28		Enrichment Score: 0.18			
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb1_domain 3</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase_alpha subunit</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase_N-terminal</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb1_domain 4</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb1_domain 1</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb1_domain 5</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RPOLA_N</a>	3	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	5	8.1E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	8	8.3E-1	9.9E-1
Annotation Cluster 29		Enrichment Score: 0.17			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	8	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal RNA methyltransferase RrmJ/EtsJ</a>	4	4.4E-1	1.0E0

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT					7	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA methylation</a>	RT					3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT					3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT					5	1.0E0	1.0E0
	Annotation Cluster 30	Enrichment Score: 0.17						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT					12	6.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT					15	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT					7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT					18	7.6E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 0.17						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter, conserved site</a>	RT					15	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT					15	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT					14	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type, core</a>	RT					39	8.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT					39	8.5E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT					11	9.2E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.17						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT					16	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT					19	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT					14	7.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT					14	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT					11	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT					5	8.9E-1	1.0E0
	Annotation Cluster 33	Enrichment Score: 0.16						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD or NADH binding</a>	RT					6	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of gene expression, epigenetic</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin silencing</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription, DNA-dependent</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression, epigenetic</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of biosynthetic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of RNA metabolic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of cellular biosynthetic process</a>	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD binding</a>	RT					4	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT					4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid deacetylation</a>	RT					4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT					7	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT					7	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT					5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT					15	9.3E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.16						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT					17	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT					12	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT					5	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT					17	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT					17	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT					17	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT					17	5.6E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT	13	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT	18	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT	23	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">di-, tri-valent inorganic cation transmembrane transporter activity</a>	RT	3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT	18	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT	18	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, N-terminal</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, C-terminal</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT	16	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	RT	4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion transmembrane transporter activity</a>	RT	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT	17	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT	28	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT	24	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT	24	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT	14	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT	14	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT	7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT	9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT	9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT	16	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT	16	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT	14	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT	14	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT	8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT	6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT	7	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT	6	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT	7	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT	11	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT	16	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT	8	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT	8	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT	7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT	7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT	7	8.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT	7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT	8	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT	5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT	8	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT	3	9.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT	3	9.7E-1	1.0E0

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	Annotation Cluster 35 Enrichment Score: 0.15	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT	3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">protein kinase regulator activity</a>	RT	5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">kinase regulator activity</a>	RT	5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT	3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	Annotation Cluster 36 Enrichment Score: 0.15	<a href="#">endomembrane system</a>	RT	12	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">organelle membrane</a>	RT	8	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">coated membrane</a>	RT	9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">membrane coat</a>	RT	9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">transport vesicle membrane</a>	RT	4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">transport vesicle</a>	RT	4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">Golgi apparatus</a>	RT	7	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoplasmic vesicle part</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">coated vesicle membrane</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">coated vesicle</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoplasmic vesicle membrane</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">vesicle coat</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoplasmic vesicle</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">vesicle</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">membrane-bounded vesicle</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">vesicle membrane</a>	RT	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">ER to Golgi transport vesicle</a>	RT	3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">COPII vesicle coat</a>	RT	3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">ER to Golgi transport vesicle membrane</a>	RT	3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">Golgi apparatus part</a>	RT	4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">Golgi vesicle transport</a>	RT	3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">ER to Golgi vesicle-mediated transport</a>	RT	3	9.4E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 37		Enrichment Score: 0.15				
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase, active site</a>	RT	5	5.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase</a>	RT	4	6.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Dual-specific/protein-tyrosine phosphatase, conserved region</a>	RT	4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT	9	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT	7	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine phosphatase activity</a>	RT	4	8.8E-1	1.0E0	
<input type="checkbox"/>	Annotation Cluster 38	Enrichment Score: 0.14					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT	14	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT	22	5.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha gIardin</a>	RT	8	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT	25	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT	9	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT	8	8.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT	9	8.2E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT	8	8.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT	9	8.4E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT	14	8.8E-1	1.0E0	
<input type="checkbox"/>	Annotation Cluster 39	Enrichment Score: 0.13					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT	29	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT	40	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT	46	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT	48	7.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT	15	8.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT	15	8.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT	15	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT	13	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT	16	8.5E-1	1.0E0	



<input type="checkbox"/>	Annotation	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		16	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		19	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT		5	9.4E-1	1.0E0
Annotation Cluster 40		Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT		9	6.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT		12	7.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT		8	9.1E-1	1.0E0
Annotation Cluster 41		Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">coiled coil</a>	RT		4	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase associated with various cellular activities, AAA-5</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Cytoskeleton</a>	RT		11	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT		6	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT		4	9.9E-1	1.0E0
Annotation Cluster 42		Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT		9	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		9	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine phosphatase activity</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, manganese/magnesium aspartate binding site</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein phosphatase</a>	RT		3	8.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein serine/threonine phosphatase complex</a>	RT		4	8.7E-1	1.0E0
Annotation Cluster 43		Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT		8	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT		8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT		8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT		5	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin, conserved site</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306: tubulin	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT		8	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Beta tubulin, autoregulation binding site</a>	RT		3	9.5E-1	1.0E0
Annotation Cluster 44		Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT		5	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT		5	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT		5	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		7	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inositol or phosphatidylinositol kinase activity</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		7	9.1E-1	1.0E0
Annotation Cluster 45		Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	RT		5	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organelle fission</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mitosis</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mitotic cell cycle</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase of mitotic cell cycle</a>	RT		3	7.8E-1	1.0E0

<input type="checkbox"/>											
<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nuclear division</a>	RT						3	7.8E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.11						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT						8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT						8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT						16	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT						11	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT						11	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT						9	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT						23	9.2E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.1						Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT						6	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT						11	7.1E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT						5	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT						12	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT						5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT						5	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT						5	9.8E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.1						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT						12	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT						11	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT						11	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	RT						31	8.6E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.09						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT						5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	RT						3	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT						3	9.1E-1	9.9E-1
	Annotation Cluster 50	Enrichment Score: 0.09						Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heme</a>	RT						4	6.7E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5, heme-binding site</a>	RT						3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heme binding</a>	RT						4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tetrapyrrole binding</a>	RT						4	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5</a>	RT						3	9.0E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.08						Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT						19	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, laminin</a>	RT						13	9.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT						13	9.4E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.06						Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT						13	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT						9	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT						8	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT						5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT						5	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT						5	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT						8	9.7E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.06						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT						28	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT						12	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT						13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT						13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT						13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT						21	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT						12	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT						12	8.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT						11	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT						12	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT						4	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT						25	9.9E-1	1.0E0

	Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
<input type="checkbox"/>	Annotation Cluster 54	Enrichment Score: 0.06					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		9	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine/serine/threonine phosphatase activity</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase, dual specificity</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dual specificity phosphatase, catalytic domain</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 55	Enrichment Score: 0.06					
<input type="checkbox"/>	INTERPRO	<a href="#">Myb transcription factor</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb-type HTH DNA-binding domain</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb_DNA-binding</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">SANT_DNA-binding</a>	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">SANT</a>	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 56	Enrichment Score: 0.05					
<input type="checkbox"/>	INTERPRO	<a href="#">Na+ driven multidrug efflux pump</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">multidrug transport</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to drug</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">drug transport</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">drug transporter activity</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antiporter activity</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 57	Enrichment Score: 0.05					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 58	Enrichment Score: 0.05					
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		12	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		10	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		10	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		9	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin core</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 59	Enrichment Score: 0.05					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-enclosed lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular organelle lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 60	Enrichment Score: 0.05					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carboxylic acid biosynthetic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organic acid biosynthetic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amine biosynthetic process</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 61	Enrichment Score: 0.05					
<input type="checkbox"/>	INTERPRO	<a href="#">von Willebrand factor, type A</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">VWA</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Copine</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 62	Enrichment Score: 0.05					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT		30	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT		18	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT		28	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT		28	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT		17	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT		27	9.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT		21	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT		21	9.3E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT		12	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT		23	9.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	RT		13	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region, conserved site</a>	RT		8	9.7E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">K1Sc</a>	RT		13	9.7E-1	1.0EO
	Annotation Cluster 63	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		7	7.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		5	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		5	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT		3	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT		3	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		3	9.7E-1	1.0EO
	Annotation Cluster 64	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA-dependent DNA replication</a>	RT		4	8.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)</a>	RT		4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		11	9.6E-1	1.0EO
	Annotation Cluster 65	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		3	9.5E-1	1.0EO
	Annotation Cluster 66	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin-protein ligase activity</a>	RT		4	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT		16	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT		13	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT		6	9.5E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ubiquitin mediated proteolysis</a>	RT		5	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT		25	9.9E-1	1.0EO
	Annotation Cluster 67	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT		53	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT		85	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT		85	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT		42	9.5E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT		34	9.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		34	9.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT		56	9.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT		37	9.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		36	9.7E-1	1.0EO
	Annotation Cluster 68	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT		4	9.4E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT		4	9.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT		3	9.8E-1	1.0EO
	Annotation Cluster 69	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT		5	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT		4	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT		4	9.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acyltransferase activity</a>	RT		4	9.8E-1	1.0EO
	Annotation Cluster 70	Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	RT		21	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, region</a>	RT		23	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		36	9.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		36	9.9E-1	1.0EO

<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd_repeat</a>	RT		23	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_subgroup</a>	RT		26	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		34	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_conserved site</a>	RT		9	1.0E0	1.0E0
Annotation Cluster 71		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		11	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT		14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT		23	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT		15	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT		10	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT		14	9.9E-1	1.0E0
Annotation Cluster 72		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif_RNP-1</a>	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding_alpha-beta plait</a>	RT		6	9.9E-1	1.0E0
Annotation Cluster 73		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		3	9.9E-1	1.0E0

219 terms were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44](#) & [Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

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Current Gene List: 3\_Random2

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

79 Cluster(s)

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	Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
<input type="checkbox"/>	Annotation Cluster 1	Enrichment Score: 1.83					
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	<a href="#">RT</a>		19	2.0E-3	8.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	<a href="#">RT</a>		21	7.6E-3	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	<a href="#">RT</a>		21	1.1E-2	8.2E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	<a href="#">RT</a>		25	1.9E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	<a href="#">RT</a>		9	5.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	<a href="#">RT</a>		19	6.4E-2	1.0E0
<input type="checkbox"/>	Annotation Cluster 2	Enrichment Score: 1.1			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	<a href="#">RT</a>		17	4.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	<a href="#">RT</a>		16	6.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	<a href="#">RT</a>		16	6.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	<a href="#">RT</a>		38	1.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 3	Enrichment Score: 0.65			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	<a href="#">RT</a>		21	3.2E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	<a href="#">RT</a>		14	6.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	<a href="#">RT</a>		19	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	<a href="#">RT</a>		11	9.5E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	<a href="#">RT</a>		20	9.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	<a href="#">RT</a>		18	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	<a href="#">RT</a>		19	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	<a href="#">RT</a>		10	1.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	<a href="#">RT</a>		9	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	<a href="#">RT</a>		9	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	<a href="#">RT</a>		9	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	<a href="#">RT</a>		9	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	<a href="#">RT</a>		9	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	<a href="#">RT</a>		9	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	<a href="#">RT</a>		11	2.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	<a href="#">RT</a>		9	2.4E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	<a href="#">RT</a>		23	2.5E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	<a href="#">RT</a>		9	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	<a href="#">RT</a>		10	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H3</a>	<a href="#">RT</a>		4	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	<a href="#">RT</a>		22	4.5E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">H3</a>	<a href="#">RT</a>		4	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	<a href="#">RT</a>		10	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	<a href="#">RT</a>		12	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H4</a>	<a href="#">RT</a>		3	6.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002052:histone H4	<a href="#">RT</a>		3	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">H4</a>	<a href="#">RT</a>		3	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	<a href="#">RT</a>		5	6.6E-1	9.8E-1
<input type="checkbox"/>	Annotation Cluster 4	Enrichment Score: 0.61			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	<a href="#">RT</a>		13	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	<a href="#">RT</a>		22	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF, extracellular</a>	<a href="#">RT</a>		16	3.1E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 5	Enrichment Score: 0.6			Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		338	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		333	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		333	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		309	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		309	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		158	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		304	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		304	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		168	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		309	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		176	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		176	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		158	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		353	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_core</a>	RT		157	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		150	4.2E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		190	4.9E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		135	5.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		155	5.5E-1	9.9E-1
Annotation Cluster 6		Enrichment Score: 0.56			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		31	9.4E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity_coupled</a>	RT		46	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		26	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		26	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		35	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase_N-terminal</a>	RT		28	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_DEAD/DEAH_box_type_N-terminal</a>	RT		20	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT		56	3.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		28	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase_superfamily 1 and 2_ATP-binding</a>	RT		27	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_C-terminal</a>	RT		27	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase_DEAD-box_type_Q motif</a>	RT		11	5.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		27	5.8E-1	1.0E0
Annotation Cluster 7		Enrichment Score: 0.48			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		7	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		7	2.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		7	2.6E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Isomerase</a>	RT		20	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein folding</a>	RT		19	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase_FKBP-type</a>	RT		5	5.0E-1	1.0E0
Annotation Cluster 8		Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		26	7.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		12	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		18	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		10	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		10	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		14	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		25	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		10	6.4E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		10	6.5E-1	1.0E0
Annotation Cluster 9		Enrichment Score: 0.41			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational elongation</a>	RT		7	1.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">elongation factor</a>	RT		5	6.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation elongation factor activity</a>	RT		5	7.7E-1	1.0E0
Annotation Cluster 10		Enrichment Score: 0.41			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tubulin-tyrosine ligase activity</a>	RT		6	3.5E-1	1.0E0
		<a href="#">Tubulin-tyrosine ligase</a>	RT		6	3.7E-1	1.0E0

<input type="checkbox"/>	INTERPRO									
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT					17	4.6E-1	1.0E0
	Annotation Cluster 11		Enrichment Score: 0.39					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cell projection</a>	RT					4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">flagellum</a>	RT					4	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">flagellum</a>	RT					4	4.3E-1	9.9E-1
	Annotation Cluster 12		Enrichment Score: 0.37					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT					19	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT					16	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT					16	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT					16	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT					20	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT					20	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT					9	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT					9	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT					20	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT					15	8.6E-1	1.0E0
	Annotation Cluster 13		Enrichment Score: 0.36					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA helicase activity</a>	RT					6	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-dependent ATPase activity</a>	RT					7	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent DNA helicase activity</a>	RT					4	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding, DinG/Rad3-type</a>	RT					3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD2</a>	RT					3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, ATP-dependent, c2 type</a>	RT					3	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc2</a>	RT					3	6.4E-1	1.0E0
	Annotation Cluster 14		Enrichment Score: 0.33					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT					257	3.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT					176	5.3E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT					257	6.0E-1	1.0E0
	Annotation Cluster 15		Enrichment Score: 0.33					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT					18	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT					8	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT					9	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT					9	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT					6	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin, conserved site</a>	RT					6	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT					6	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT					6	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT					5	6.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306: tubulin	RT					5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT					10	7.1E-1	1.0E0
	Annotation Cluster 16		Enrichment Score: 0.32					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization in organelle</a>	RT					5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein targeting</a>	RT					5	2.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Protein export</a>	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein targeting to ER</a>	RT					3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">SRP-dependent cotranslational protein targeting to membrane</a>	RT					3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cotranslational protein targeting to membrane</a>	RT					3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein targeting to membrane</a>	RT					3	5.9E-1	1.0E0
	Annotation Cluster 17		Enrichment Score: 0.32					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT					115	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT					141	3.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT					115	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT					105	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT					105	8.2E-1	1.0E0
	Annotation Cluster 18		Enrichment Score: 0.31					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT					26	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT					17	2.8E-1	1.0E0











<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		17	2.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT	■	31	2.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT	■	14	3.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT	■	9	3.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT	■	16	3.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT	■	16	3.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT	■	9	3.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT	■	14	3.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT	■	18	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT	■	18	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT	■	18	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT	■	18	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT	■	26	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT	■	26	3.9E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT	■	9	4.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT	■	12	4.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT	■	17	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT	■	10	4.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT	■	8	4.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT	■	18	4.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT	■	10	4.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT	■	10	4.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT	■	7	5.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT	■	17	5.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT	■	17	5.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT	■	18	5.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT	■	18	5.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT	■	18	5.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT	■	18	5.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT	■	9	5.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	RT	■	4	6.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT	■	10	6.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Hydrogen ion transport</a>	RT	■	3	6.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT	■	6	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT	■	5	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT	■	15	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT	■	8	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT	■	8	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT	■	8	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT	■	9	7.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT	■	9	7.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT	■	5	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT	■	4	7.5E-1	1.0EO

<input type="checkbox"/>												
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT					3	8.9E-1	9.9E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transport</a>	RT					6	9.2E-1	9.9E-1		
	Annotation Cluster 19	Enrichment Score: 0.31						Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT					17	2.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT					20	2.8E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT					8	3.2E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT					28	4.4E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT					19	4.8E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT					17	5.2E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT					17	5.2E-1	1.0E0		
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT					17	5.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT					49	6.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT					38	6.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT					43	7.7E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT					19	8.6E-1	9.9E-1		
	Annotation Cluster 20	Enrichment Score: 0.29						Count	P_Value	Benjamini		
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT					22	2.4E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, laminin</a>	RT					15	7.3E-1	1.0E0		
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT					15	7.8E-1	1.0E0		
	Annotation Cluster 21	Enrichment Score: 0.27						Count	P_Value	Benjamini		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT					8	3.2E-1	9.9E-1		
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, C-terminal</a>	RT					4	4.4E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT					5	5.0E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT					4	6.5E-1	1.0E0		
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT					4	6.7E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT					4	7.9E-1	1.0E0		
	Annotation Cluster 22	Enrichment Score: 0.26						Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nuclear transport</a>	RT					4	4.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleocytoplasmic transport</a>	RT					4	4.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT					10	5.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT					4	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT					4	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT					4	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT					4	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT					4	6.0E-1	1.0E0		
	Annotation Cluster 23	Enrichment Score: 0.26						Count	P_Value	Benjamini		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT					36	2.1E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT					8	3.2E-1	9.9E-1		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT					14	3.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT					14	4.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT					14	5.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT					14	5.8E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT					14	6.2E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT					14	6.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT					14	6.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT					14	6.7E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT					6	6.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT					20	9.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT					25	9.5E-1	1.0E0		
	Annotation Cluster 24	Enrichment Score: 0.25						Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT					94	1.4E-1	9.8E-1		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT					94	1.4E-1	9.8E-1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT					46	7.1E-1	1.0E0		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT					36	7.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT					40	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT					60	8.2E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT					52	8.6E-1	1.0E0		

<input type="checkbox"/>	Term	Description	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		35	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		37	9.2E-1	9.9E-1
	Annotation Cluster 25	Enrichment Score: 0.24					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	RT		7	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase of mitotic cell cycle</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mitotic cell cycle</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nuclear division</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organelle fission</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mitosis</a>	RT		3	7.8E-1	1.0E0
	Annotation Cluster 26	Enrichment Score: 0.23					
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908: serine/threonine-protein phosphatase, conventional type	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT		14	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT		10	5.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	RT		10	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT		25	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		16	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT		11	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT		15	9.3E-1	1.0E0
	Annotation Cluster 27	Enrichment Score: 0.23					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		9	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		8	4.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT		7	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">di-, tri-valent inorganic cation transmembrane transporter activity</a>	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion transmembrane transporter activity</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		9	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.23					
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT		8	3.2E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)-like</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001525: lysine-tRNA ligase	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid binding, OB-fold, tRNA/helicase-type</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 29	Enrichment Score: 0.22					
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT		7	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoglycolate phosphatase activity</a>	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">HAD-superfamily hydrolase, subfamily IA, variant 1</a>	RT		3	6.2E-1	1.0E0
	Annotation Cluster 30	Enrichment Score: 0.19					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT		31	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT		31	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT		32	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT		32	4.9E-1	1.0E0
			RT		19	6.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_CC_FAT								
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT				19	6.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT				26	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT				23	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT				23	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region, conserved site</a>	RT				10	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT				13	8.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	RT				15	8.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	RT				15	8.9E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 0.19					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoinositide binding</a>	RT				4	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Phox-like</a>	RT				4	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PX</a>	RT				4	6.7E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.19					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT				88	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT				146	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT				146	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT				106	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT				143	6.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT				48	6.5E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT				35	6.6E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT				38	7.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT				38	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT				54	8.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT				17	9.5E-1	1.0E0
	Annotation Cluster 33	Enrichment Score: 0.18					Count	P_Value	Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Nucleotide transport and metabolism</a>	RT				6	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">5'-Nucleotidase and apyrase</a>	RT				3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Predicted phosphoesterase, C1039.02 type</a>	RT				3	6.2E-1	1.0E0
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF017316:phosphoesterase, C1039.02 type	RT				3	6.2E-1	1.0E0
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF017316:Pesterase_C1039	RT				3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT				4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide catabolic process</a>	RT				4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid catabolic process</a>	RT				4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide catabolic process</a>	RT				3	7.8E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.18					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT				21	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT				17	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT				8	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT				8	7.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT				7	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT				7	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT				7	8.3E-1	1.0E0
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT				3	9.5E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.17					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT				29	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT				29	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT				29	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT				24	5.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT				10	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT				9	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT				11	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT				7	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT				6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT				10	9.3E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 0.15					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor, adaptin-like, N-terminal</a>	RT				5	3.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT		8	4.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		9	5.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		9	5.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		10	5.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		5	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		4	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		6	8.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		15	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT		3	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT		3	9.4E-1	1.0EO
	Annotation Cluster 37	Enrichment Score: 0.15					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT		5	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT		5	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT		3	8.8E-1	1.0EO
	Annotation Cluster 38	Enrichment Score: 0.14					Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridine nucleotide-disulphide oxidoreductase, NAD-binding region</a>	RT		3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">FAD binding</a>	RT		4	7.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">FAD-dependent pyridine nucleotide-disulphide oxidoreductase</a>	RT		3	8.0E-1	1.0EO
	Annotation Cluster 39	Enrichment Score: 0.14					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT		18	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT		7	7.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT		7	7.7E-1	1.0EO
	Annotation Cluster 40	Enrichment Score: 0.13					Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		43	6.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_region</a>	RT		27	7.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		41	7.0E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		43	7.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_2</a>	RT		24	7.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT		27	7.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_subgroup</a>	RT		31	7.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_conserved site</a>	RT		14	9.5E-1	1.0EO
	Annotation Cluster 41	Enrichment Score: 0.12					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	RT		16	2.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_subgroup</a>	RT		5	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_domain</a>	RT		5	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin_iron-sulphur binding_conserved site</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron_4 sulfur cluster binding</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT		9	9.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT		9	9.6E-1	1.0EO
	Annotation Cluster 42	Enrichment Score: 0.11					Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		135	5.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_ATP binding site</a>	RT		48	5.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		57	7.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase_active site</a>	RT		48	8.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		32	8.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		30	9.1E-1	1.0EO

<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		30	9.5E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		6	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		7	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide biosynthetic process</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secondary metabolic process</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide metabolic process</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide metabolic process</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alkaloid metabolic process</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amide metabolic process</a>	RT		3	8.8E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid biosynthetic process</a>	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amine biosynthetic process</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organic acid biosynthetic process</a>	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carboxylic acid biosynthetic process</a>	RT		4	8.6E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		7	7.9E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		10	8.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		11	8.5E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle pole</a>	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle</a>	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule organizing center</a>	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule cytoskeleton organization</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Spc97/Spc98</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion by cell</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">exocytosis</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking during exocytosis</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">membrane docking</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Sec1-like protein</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class V/Cysteine desulfurase</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		6	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		6	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		4	9.4E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT		15	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT		14	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT		9	6.2E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT		9	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT		13	8.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT		13	8.9E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT		15	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT		35	9.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT		14	9.7E-1	1.0E0
Annotation Cluster 50					Enrichment Score: 0.1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		17	7.4E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		15	7.9E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter, transmembrane</a>	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		35	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		35	8.1E-1	1.0E0
Annotation Cluster 51					Enrichment Score: 0.1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">thiolester hydrolase activity</a>	RT		5	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin thiolesterase activity</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2, conserved site</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		7	9.0E-1	1.0E0
Annotation Cluster 52					Enrichment Score: 0.09		
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT		7	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT		3	8.8E-1	1.0E0
Annotation Cluster 53					Enrichment Score: 0.09		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Glycolysis / Gluconeogenesis</a>	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT		12	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT		12	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT		13	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT		5	9.5E-1	1.0E0
Annotation Cluster 54					Enrichment Score: 0.08		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT		9	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT		6	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT		6	9.2E-1	1.0E0
Annotation Cluster 55					Enrichment Score: 0.08		
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Kelch</a>	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	RT		4	8.8E-1	1.0E0
Annotation Cluster 56					Enrichment Score: 0.08		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		49	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT		22	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT		8	7.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT		19	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		21	7.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT		15	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT		18	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT		18	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		14	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		14	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT		11	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT		7	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT		7	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		7	9.0E-1	1.0E0

Annotation Cluster	Enrichment Score	Term	RT	Count	P_Value	Benjamini
		<a href="#">threonine-type peptidase activity</a>	RT	7	9.0E-1	1.0E0
		<a href="#">threonine-type endopeptidase activity</a>	RT	7	9.0E-1	1.0E0
		<a href="#">proteasome</a>	RT	10	9.1E-1	9.9E-1
		<a href="#">Proteasome, subunit alpha/beta</a>	RT	7	9.2E-1	1.0E0
		<a href="#">threonine protease</a>	RT	3	9.5E-1	1.0E0
		PIRSF001212: multicatalytic endopeptidase complex chain C9	RT	3	9.5E-1	1.0E0
		<a href="#">cytosol</a>	RT	13	9.6E-1	1.0E0
		<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT	3	9.8E-1	1.0E0
Annotation Cluster 57	Enrichment Score: 0.08			Count	P_Value	Benjamini
		<a href="#">small GTPase mediated signal transduction</a>	RT	9	7.8E-1	1.0E0
		<a href="#">ADP-ribosylation factor</a>	RT	3	8.0E-1	1.0E0
		<a href="#">ARF</a>	RT	3	8.1E-1	1.0E0
		<a href="#">ARF/SAR superfamily</a>	RT	4	8.8E-1	1.0E0
		PIRSF001711: ADP-ribosylation factor	RT	3	9.0E-1	1.0E0
Annotation Cluster 58	Enrichment Score: 0.08			Count	P_Value	Benjamini
		<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT	3	7.8E-1	1.0E0
		<a href="#">protein kinase regulator activity</a>	RT	4	8.7E-1	1.0E0
		<a href="#">kinase regulator activity</a>	RT	4	8.7E-1	1.0E0
Annotation Cluster 59	Enrichment Score: 0.07			Count	P_Value	Benjamini
		<a href="#">ATPase, AAA-type, core</a>	RT	14	7.9E-1	1.0E0
		<a href="#">ATPase, AAA+ type, core</a>	RT	38	8.7E-1	1.0E0
		<a href="#">AAA</a>	RT	38	9.2E-1	1.0E0
Annotation Cluster 60	Enrichment Score: 0.06			Count	P_Value	Benjamini
		<a href="#">translation factor activity, nucleic acid binding</a>	RT	17	8.2E-1	1.0E0
		<a href="#">Initiation factor</a>	RT	10	8.7E-1	9.9E-1
		<a href="#">translation initiation factor activity</a>	RT	12	9.3E-1	1.0E0
Annotation Cluster 61	Enrichment Score: 0.06			Count	P_Value	Benjamini
		<a href="#">Zinc finger, C2H2-like</a>	RT	10	8.2E-1	1.0E0
		<a href="#">ZnF_C2H2</a>	RT	10	8.5E-1	1.0E0
		<a href="#">Zinc finger, C2H2-type</a>	RT	8	9.7E-1	1.0E0
Annotation Cluster 62	Enrichment Score: 0.05			Count	P_Value	Benjamini
		<a href="#">phosphoprotein phosphatase activity</a>	RT	16	7.0E-1	1.0E0
		<a href="#">protein tyrosine phosphatase activity</a>	RT	4	8.7E-1	1.0E0
		<a href="#">Dual-specific/protein-tyrosine phosphatase, conserved region</a>	RT	3	9.0E-1	1.0E0
		<a href="#">Protein-tyrosine phosphatase</a>	RT	3	9.0E-1	1.0E0
		<a href="#">protein amino acid dephosphorylation</a>	RT	6	9.4E-1	1.0E0
		<a href="#">Protein-tyrosine phosphatase, active site</a>	RT	3	9.5E-1	1.0E0
		<a href="#">dephosphorylation</a>	RT	7	9.6E-1	1.0E0
Annotation Cluster 63	Enrichment Score: 0.05			Count	P_Value	Benjamini
		<a href="#">mismatch repair</a>	RT	3	8.8E-1	1.0E0
		<a href="#">double-stranded DNA binding</a>	RT	3	8.8E-1	1.0E0
		<a href="#">structure-specific DNA binding</a>	RT	3	8.8E-1	1.0E0
		<a href="#">mismatched DNA binding</a>	RT	3	8.8E-1	1.0E0
Annotation Cluster 64	Enrichment Score: 0.05			Count	P_Value	Benjamini
		<a href="#">isoprenoid metabolic process</a>	RT	3	8.8E-1	1.0E0
		<a href="#">isoprenoid biosynthetic process</a>	RT	3	8.8E-1	1.0E0
		<a href="#">lipid biosynthetic process</a>	RT	7	9.0E-1	1.0E0
Annotation Cluster 65	Enrichment Score: 0.05			Count	P_Value	Benjamini
		<a href="#">nucleoside-triphosphatase regulator activity</a>	RT	8	6.8E-1	1.0E0
		<a href="#">small GTPase regulator activity</a>	RT	6	8.5E-1	1.0E0
		<a href="#">GTPase regulator activity</a>	RT	6	8.5E-1	1.0E0
		<a href="#">regulation of small GTPase mediated signal transduction</a>	RT	5	8.5E-1	1.0E0
		<a href="#">regulation of Ras protein signal transduction</a>	RT	5	8.5E-1	1.0E0
		<a href="#">regulation of ARF protein signal transduction</a>	RT	3	8.8E-1	1.0E0
		<a href="#">enzyme activator activity</a>	RT	4	9.6E-1	1.0E0
		<a href="#">regulation of Ras GTPase activity</a>	RT	3	9.7E-1	1.0E0
		<a href="#">GTPase activator activity</a>	RT	3	9.7E-1	1.0E0
		<a href="#">regulation of GTPase activity</a>	RT	3	9.9E-1	1.0E0



<input type="checkbox"/>	Annotation Cluster	Enrichment Score: 0.05	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT		4	7.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		4	7.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin core</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		9	9.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		11	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		9	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		9	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		5	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to drug</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">multidrug transport</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">drug transport</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">drug transporter activity</a>	RT		3	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antiporter activity</a>	RT		3	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA-dependent DNA replication</a>	RT		4	8.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase), related</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		11	9.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT		6	8.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT		4	8.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		7	8.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT		4	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		7	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		6	9.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT		3	9.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT		3	9.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT		3	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT		6	8.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT		9	8.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT		9	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT		10	9.2E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT		7	9.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT		5	9.6E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT		5	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT		4	9.4E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT		4	9.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding, alpha-beta plait</a>	RT		8	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif, RNP-1</a>	RT		7	9.2E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT		7	9.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT		6	8.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Acyltransferase</a>	RT		6	8.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acyltransferase activity</a>	RT		4	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT		4	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT		3	9.9E-1	1.0EO

<input type="checkbox"/>	Annotation Cluster	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO Annotation Cluster 75	<a href="#">GCN5-related N-acetyltransferase</a>	RT	3	9.9E-1	1.0E0
		Enrichment Score: 0.03				
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein_core</a>	RT	6	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type_core</a>	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	SMART Annotation Cluster 76	<a href="#">Sm</a>	RT	3	9.8E-1	1.0E0
		Enrichment Score: 0.01				
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT	11	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT	14	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT	23	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT	15	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT	15	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS Annotation Cluster 77	<a href="#">rna-directed dna polymerase</a>	RT	10	9.8E-1	1.0E0
		Enrichment Score: 0.01				
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT	9	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT	9	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT	5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT	5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT	11	1.0E0	1.0E0
		Enrichment Score: 0.01				
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT	5	9.8E-1	1.0E0
<input type="checkbox"/>	SMART Annotation Cluster 79	<a href="#">UBQ</a>	RT	3	9.8E-1	1.0E0
		Enrichment Score: 0.01				
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT	25	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT	6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT	11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT	16	1.0E0	1.0E0

were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44](#) & [Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

[Help and Manual](#)

Current Gene List: 3\_Random3

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

75 Cluster(s)

[Download File](#)

	Annotation Cluster	Enrichment Score		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, laminin</a>	RT	20	8.3E-2	1.0EO
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT	20	9.0E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT	21	3.7E-1	1.0EO
Annotation Cluster 2		Enrichment Score: 0.85		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT	50	2.5E-2	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT	32	6.0E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT	38	7.5E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT	62	1.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT	30	1.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT	30	1.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT	30	1.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT	13	2.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT	29	2.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT	26	2.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT	26	2.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT	29	2.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT	20	3.4E-1	1.0EO
Annotation Cluster 3		Enrichment Score: 0.67		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT	17	1.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT	15	1.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT	15	1.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT	11	1.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT	17	3.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT	8	4.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT	4	7.9E-1	1.0EO
Annotation Cluster 4		Enrichment Score: 0.66		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT	16	9.1E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT	14	9.3E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT	14	1.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT	12	1.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT	29	2.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT	8	4.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT	8	4.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT	8	4.9E-1	1.0EO
Annotation Cluster 5		Enrichment Score: 0.6		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT	26	4.6E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT	47	1.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT	17	2.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT	16	3.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT	22	4.0E-1	1.0EO

<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT		31	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT		19	4.9E-1	9.9E-1
	Annotation Cluster 6	Enrichment Score: 0.57			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, subgroup</a>	RT		38	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	RT		29	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, region</a>	RT		31	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		46	2.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT		32	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		46	3.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		46	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, conserved site</a>	RT		19	4.0E-1	1.0E0
	Annotation Cluster 7	Enrichment Score: 0.5			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		30	5.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		30	5.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		27	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		33	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT		20	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		20	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		20	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		21	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		21	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		21	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		19	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		19	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		19	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		19	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		20	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		17	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		17	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		17	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		14	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		10	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		10	4.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		8	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		12	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		9	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		10	5.8E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		8	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		8	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		8	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		8	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		13	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		13	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, VO domain</a>	RT		3	9.0E-1	1.0E0
Annotation Cluster 8		Enrichment Score: 0.46			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Pumilio RNA-binding region</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pumilio</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Armadillo-like helical</a>	RT		14	4.5E-1	1.0E0
Annotation Cluster 9		Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		43	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		43	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		18	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		18	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter, transmembrane</a>	RT		6	8.0E-1	1.0E0
Annotation Cluster 10		Enrichment Score: 0.39			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		31	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		51	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		54	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		44	2.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		24	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		19	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		16	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		16	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		16	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		14	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		17	7.7E-1	1.0E0
Annotation Cluster 11		Enrichment Score: 0.38			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		15	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT		31	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT		31	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT		31	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		11	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT		25	4.7E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		8	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT		8	7.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT		4	7.7E-1	1.0E0
Annotation Cluster 12		Enrichment Score: 0.38			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT		6	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT		6	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secondary metabolic process</a>	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amide metabolic process</a>	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide metabolic process</a>	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alkaloid metabolic process</a>	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide metabolic process</a>	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		8	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide biosynthetic process</a>	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		8	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide biosynthetic process</a>	RT		3	5.8E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">NAD biosynthetic process</a>	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">NAD metabolic process</a>	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		5	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Rossmann-like alpha/beta/alpha sandwich fold</a>	RT		9	9.5E-1	1.0E0
Annotation Cluster 13		Enrichment Score: 0.35			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">flagellum</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cell projection</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">flagellum</a>	RT		4	4.4E-1	1.0E0
Annotation Cluster 14		Enrichment Score: 0.32			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF, extracellular</a>	RT		16	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT		21	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT		8	9.5E-1	1.0E0
Annotation Cluster 15		Enrichment Score: 0.31			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		254	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		179	4.8E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		254	5.6E-1	1.0E0
Annotation Cluster 16		Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		114	3.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		114	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		136	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		106	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		106	6.9E-1	1.0E0
Annotation Cluster 17		Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		29	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		10	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		11	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		11	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		9	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		12	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		19	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		13	9.5E-1	1.0E0
Annotation Cluster 18		Enrichment Score: 0.27			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT		30	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT		27	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT		27	3.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Cytoskeleton</a>	RT		14	5.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT		31	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT		15	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT		20	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region</a>	RT		17	6.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	RT		17	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT		19	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region, conserved site</a>	RT		11	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT		30	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT		30	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT		7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT		30	8.1E-1	1.0E0
Annotation Cluster 19		Enrichment Score: 0.26			Count	P_Value	Benjamini

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		18	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		15	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		15	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		15	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		17	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		19	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		18	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		18	7.5E-1	1.0E0
Annotation Cluster 20		Enrichment Score: 0.26			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Aldolase-type TIM barrel</a>	RT		7	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">FAD binding</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF006621:Dus	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">tRNA-dihydrouridine synthase</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tRNA dihydrouridine synthase activity</a>	RT		3	6.2E-1	1.0E0
Annotation Cluster 21		Enrichment Score: 0.25			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, manganese/magnesium aspartate binding site</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein phosphatase</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine phosphatase activity</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT		8	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		9	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		7	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein serine/threonine phosphatase complex</a>	RT		4	8.9E-1	1.0E0
Annotation Cluster 22		Enrichment Score: 0.25			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-dependent ATPase activity</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA helicase activity</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent DNA helicase activity</a>	RT		3	8.0E-1	1.0E0
Annotation Cluster 23		Enrichment Score: 0.25			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT		8	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT		8	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT		18	6.1E-1	1.0E0
Annotation Cluster 24		Enrichment Score: 0.25			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT		13	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		17	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		21	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT		24	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		25	9.4E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 0.24			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed DNA polymerase activity</a>	RT		9	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed dna polymerase</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">POLBc</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved region2</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved site</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT		6	8.0E-1	9.9E-1
Annotation Cluster 26		Enrichment Score: 0.24			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding, alpha-beta plait</a>	RT		11	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif, RNP-1</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT		9	6.5E-1	1.0E0

Annotation Cluster 27		Enrichment Score: 0.23				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT			9	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT			6	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT			10	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT			9	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">CDP-alcohol phosphatidyltransferase</a>	RT			3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, for other substituted phosphate groups</a>	RT			3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT			4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT			4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT			4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inositol or phosphatidylinositol kinase activity</a>	RT			3	9.0E-1	1.0E0
Annotation Cluster 28		Enrichment Score: 0.22				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	RT			24	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	RT			12	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT			9	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	RT			9	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	RT			17	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT			15	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT			16	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT			8	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT			9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT			14	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT			7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT			7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT			7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT			7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT			7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT			15	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	RT			5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT			9	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT			7	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT			7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT			7	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	RT			19	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT			10	8.3E-1	1.0E0
Annotation Cluster 29		Enrichment Score: 0.22				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type, core</a>	RT			42	5.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT			42	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT			15	6.6E-1	1.0E0
Annotation Cluster 30		Enrichment Score: 0.21				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT			8	4.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001430:tRNA_psdUrid_synth	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pseudouridine synthase I, TruA</a>	RT			3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT			5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT			5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT			9	7.6E-1	1.0E0
Annotation Cluster 31		Enrichment Score: 0.21				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ARF/SAR superfamily</a>	RT			6	3.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT			4	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ADP-ribosylation factor</a>	RT			3	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ARF</a>	RT			3	8.0E-1	1.0E0
Annotation Cluster 32		Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside metabolic process</a>	RT			9	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside metabolic process</a>	RT			5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside metabolic process</a>	RT			3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside metabolic process</a>	RT			3	7.7E-1	1.0E0
Annotation Cluster 33		Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT			13	5.3E-1	1.0E0



<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mismatch repair</a>	RT				4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT				12	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT				12	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">double-stranded DNA binding</a>	RT				4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structure-specific DNA binding</a>	RT				4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">mismatched DNA binding</a>	RT				4	6.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT				8	8.1E-1	9.9E-1
	Annotation Cluster 34	Enrichment Score: 0.18					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT				9	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT				9	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT				8	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT				4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT				4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT				3	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT				5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT				4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	RT				3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT				3	9.0E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.18					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT				54	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT				20	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT				9	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT				19	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT				19	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT				9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT				9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT				9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT				9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT				15	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT				15	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT				22	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT				5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT				21	7.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT				8	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT				12	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT				4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT				16	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT				11	8.3E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT				15	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT				7	8.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	RT				3	9.4E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 0.17					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT				20	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT				15	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT				14	7.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT				14	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT				11	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT				5	8.8E-1	9.9E-1
	Annotation Cluster 37	Enrichment Score: 0.16					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT				10	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT				5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT				7	7.1E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallocarboxypeptidase activity</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carboxypeptidase activity</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase M14_carboxypeptidase A</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Zn_pept</a>	RT	3	9.0E-1	1.0E0
	Annotation Cluster 38	Enrichment Score: 0.16			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT	19	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT	15	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT	11	7.6E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 0.16			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT	4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT	5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT	5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide biosynthetic process</a>	RT	3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyruvate metabolic process</a>	RT	3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose biosynthetic process</a>	RT	3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gluconeogenesis</a>	RT	3	7.7E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 0.14			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT	168	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT	168	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT	159	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT	356	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT	148	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT	334	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT	328	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT	328	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT	306	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT	303	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT	303	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT	297	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT	297	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT	143	8.4E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT	150	8.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_core</a>	RT	147	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT	150	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT	183	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT	126	9.2E-1	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.13			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carboxylic acid biosynthetic process</a>	RT	5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organic acid biosynthetic process</a>	RT	5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid biosynthetic process</a>	RT	3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amine biosynthetic process</a>	RT	3	9.4E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.11			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT	8	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT	9	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT	9	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor_adaptin-like_N-terminal</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT	7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT	5	8.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_CC_FAT								
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT				8	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT				3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT				3	9.4E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.11					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT				22	4.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT				39	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT				39	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT				34	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT				55	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT				46	8.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT				142	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT				143	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT				143	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT				80	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT				97	9.8E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.11					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT				5	6.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT				5	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT				6	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">viral nucleoprotein</a>	RT				7	9.5E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.1					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT				25	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT				9	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT				15	8.6E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.1					Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ubiquitin mediated proteolysis</a>	RT				9	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT				7	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT				7	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT				7	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT				7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT				7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin-protein ligase activity</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567: ubiquitin-protein ligase E2	RT				3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT				15	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT				12	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT				26	9.8E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.1					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	RT				4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	RT				4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	RT				4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	RT				4	9.2E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.1					Count	P_Value	Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT				14	6.2E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT				12	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter, conserved site</a>	RT				11	9.2E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.09					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Myb transcription factor</a>	RT				3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb-type HTH DNA-binding domain</a>	RT				3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">SANT, DNA-binding</a>	RT				6	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">SANT</a>	RT				6	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb, DNA-binding</a>	RT				3	9.0E-1	1.0E0
	Annotation Cluster 50	Enrichment Score: 0.09					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT				5	6.7E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT				8	7.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT				3	9.0E-1	1.0E0

<input type="checkbox"/>	Source	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT	3	9.0E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.08		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT	12	7.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT	8	8.1E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT	8	9.2E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.08		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT	9	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2, conserved site</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin thiolesterase activity</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">thiolester hydrolase activity</a>	RT	3	9.9E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.07		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT	15	6.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT	19	7.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT	18	7.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	RT	5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleoside binding</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT	7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT	12	9.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT	8	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT	10	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT	10	9.9E-1	1.0E0
	Annotation Cluster 54	Enrichment Score: 0.07		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT	7	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT	4	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBQ</a>	RT	4	8.9E-1	1.0E0
	Annotation Cluster 55	Enrichment Score: 0.06		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">N-6 adenine-specific DNA methylase, conserved site</a>	RT	4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	RT	6	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT	5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT	3	9.4E-1	1.0E0
	Annotation Cluster 56	Enrichment Score: 0.06		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT	59	7.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT	34	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	RT	43	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT	126	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT	46	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT	29	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT	29	9.6E-1	1.0E0
	Annotation Cluster 57	Enrichment Score: 0.05		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT	5	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT	4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT	9	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT	11	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT	9	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT	9	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT	6	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, core</a>	RT	3	9.8E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.05		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT	37	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT	41	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT	37	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT	58	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT	88	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT	88	8.8E-1	1.0E0

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">ribosomal protein</a>	RT	38	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">structural molecule activity</a>	RT	44	9.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">ribonucleoprotein complex</a>	RT	50	9.9E-1	1.0EO
	Annotation Cluster 59	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">acetyltransferase activity</a>	RT	6	8.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">GCN5-related N-acetyltransferase</a>	RT	5	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acetyltransferase activity</a>	RT	5	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acyltransferase activity</a>	RT	5	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Acyl-CoA N-acyltransferase</a>	RT	4	9.8E-1	1.0EO
	Annotation Cluster 60	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">drug transport</a>	RT	3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">multidrug transport</a>	RT	3	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">response to drug</a>	RT	3	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT	3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">drug transporter activity</a>	RT	3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">antiporter activity</a>	RT	3	9.5E-1	1.0EO
	Annotation Cluster 61	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY		PIRSF000908: serine/threonine-protein phosphatase, conventional type	RT	5	7.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">phosphoprotein phosphatase activity</a>	RT	15	8.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Metallophosphoesterase</a>	RT	11	8.8E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">iron</a>	RT	10	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT	7	9.5E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">PP2Ac</a>	RT	7	9.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">iron ion binding</a>	RT	13	9.9E-1	1.0EO
	Annotation Cluster 62	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">GTPase activity</a>	RT	9	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Translation elongation factor EFTu/EF1A, domain 2</a>	RT	3	9.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Protein synthesis factor, GTP-binding</a>	RT	4	9.4E-1	1.0EO
	Annotation Cluster 63	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein complex biogenesis</a>	RT	7	8.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein complex assembly</a>	RT	7	8.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular protein complex assembly</a>	RT	6	8.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein polymerization</a>	RT	4	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Tubulin</a>	RT	4	9.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Tubulin, conserved site</a>	RT	4	9.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT	4	9.4E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY		PIRSF002306: tubulin	RT	3	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT	3	9.8E-1	1.0EO
	Annotation Cluster 64	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">electron carrier activity</a>	RT	13	7.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">metal cluster binding</a>	RT	10	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">iron-sulfur cluster binding</a>	RT	10	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT	4	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT	4	9.7E-1	1.0EO
	Annotation Cluster 65	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Tyrosine protein kinase</a>	RT	4	8.8E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">TyrKc</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">protein tyrosine kinase activity</a>	RT	11	9.9E-1	1.0EO
	Annotation Cluster 66	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin binding</a>	RT	6	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin B6 binding</a>	RT	5	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">pyridoxal phosphate binding</a>	RT	5	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT	4	9.4E-1	1.0EO
	Annotation Cluster 67	Enrichment Score: 0.03			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Zinc finger, C2H2-like</a>	RT	9	9.2E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">ZnF_C2H2</a>	RT	9	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Zinc finger, C2H2-type</a>	RT	8	9.7E-1	1.0EO

Annotation Cluster 68		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 69		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Anticodon-binding</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		21	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (G, H, P and S), conserved region</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT		9	1.0E0	1.0E0
Annotation Cluster 70		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-dependent ATPase MCM</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">MCM</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid-binding, OB-fold</a>	RT		9	9.7E-1	1.0E0
Annotation Cluster 71		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Kelch</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 72		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase, FKBP-type</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0E0
Annotation Cluster 73		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		7	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		7	1.0E0	1.0E0
Annotation Cluster 74		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT		3	9.9E-1	1.0E0
Annotation Cluster 75		Enrichment Score: 0			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT		4	1.0E0	1.0E0

212 terms were not clustered.

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Please cite [Nature Protocols 2009; 4\(1\):44](#) & [Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

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Current Gene List: 3\_Random4

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

79 Cluster(s)

[Download File](#)

	Annotation Cluster 1	Enrichment Score: 0.77			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		32	2.7E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		18	3.8E-2	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		14	3.9E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		10	1.9E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		12	2.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		12	2.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		18	3.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		10	4.3E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		10	4.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		21	6.3E-1	1.0EO
	Annotation Cluster 2	Enrichment Score: 0.74			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase regulator activity</a>	RT		7	1.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">kinase regulator activity</a>	RT		7	1.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT		4	4.2E-1	1.0EO
	Annotation Cluster 3	Enrichment Score: 0.57			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT		9	1.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT		6	2.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		6	2.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT		5	3.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT		5	3.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, C-terminal</a>	RT		3	8.0E-1	1.0EO
	Annotation Cluster 4	Enrichment Score: 0.54			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT		10	9.7E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT		6	3.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT		6	3.8E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">viral nucleoprotein</a>	RT		10	5.1E-1	1.0EO
	Annotation Cluster 5	Enrichment Score: 0.53			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		181	2.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		258	3.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		258	3.5E-1	1.0EO
	Annotation Cluster 6	Enrichment Score: 0.48			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT		14	3.9E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT		6	3.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT		6	3.6E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001430: tRNA_psdUrid_synth	RT		3	6.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Pseudouridine synthase I, TruA</a>	RT		3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT		7	6.8E-1	1.0EO
	Annotation Cluster 7	Enrichment Score: 0.47			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		68	6.3E-2	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		200	6.4E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		60	7.2E-2	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		163	1.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		162	1.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, core</a>	RT		162	2.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		39	2.3E-1	1.0EO



<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		170	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		179	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		179	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	RT		52	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		140	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		36	4.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		36	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		301	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		298	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		298	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		294	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		294	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		320	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		316	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		316	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		340	8.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		139	8.6E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		142	9.5E-1	1.0E0
	Annotation Cluster 8	Enrichment Score: 0.39			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide kinase activity</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleobase, nucleoside, nucleotide kinase activity</a>	RT		8	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, phosphate group as acceptor</a>	RT		6	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenylate kinase activity</a>	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Adenylate kinase</a>	RT		3	6.2E-1	1.0E0
	Annotation Cluster 9	Enrichment Score: 0.38			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT		29	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT		29	2.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		29	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT		29	2.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		29	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		34	3.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		28	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		23	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		23	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT		18	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT		10	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT		34	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT		45	9.8E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 0.37			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule organizing center</a>	RT		4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle</a>	RT		4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle pole</a>	RT		4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule cytoskeleton organization</a>	RT		4	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Spc97/Spc98</a>	RT		4	4.5E-1	1.0E0
	Annotation Cluster 11	Enrichment Score: 0.36			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT		9	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		16	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		12	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		19	6.0E-1	1.0E0
	Annotation Cluster 12	Enrichment Score: 0.33			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA methylation</a>	RT		5	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal RNA methyltransferase RrmJ/FtsJ</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT		5	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT		7	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	RT		7	6.9E-1	1.0E0
	Annotation Cluster 13	Enrichment Score: 0.32			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF</a>	RT		6	3.8E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF_extracellular</a>	RT	15	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT	20	5.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT	11	5.4E-1	1.0E0
		Annotation Cluster 14	Enrichment Score: 0.32			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA capping</a>	RT	5	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA metabolic process</a>	RT	5	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA capping</a>	RT	3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mRNA processing</a>	RT	4	6.3E-1	1.0E0
		Annotation Cluster 15	Enrichment Score: 0.32			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT	10	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine/serine/threonine phosphatase activity</a>	RT	5	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dual specificity phosphatase_catalytic domain</a>	RT	5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase_dual specificity</a>	RT	5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT	10	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dual-specific/protein-tyrosine phosphatase conserved region</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase_active site</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine phosphatase activity</a>	RT	4	8.7E-1	1.0E0
		Annotation Cluster 16	Enrichment Score: 0.3			
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT	21	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT	17	4.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT	12	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT	15	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT	15	5.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT	19	5.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT	9	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT	11	9.7E-1	1.0E0
		Annotation Cluster 17	Enrichment Score: 0.3			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT	10	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT	20	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT	18	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT	27	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT	14	4.6E-1	1.0E0
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF000908: serine/threonine-protein phosphatase, conventional type	RT	6	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT	10	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT	12	6.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT	9	7.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	RT	9	7.5E-1	1.0E0
		Annotation Cluster 18	Enrichment Score: 0.29			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT	7	4.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT	16	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT	13	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT	15	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT	19	5.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT	15	5.9E-1	1.0E0
		Annotation Cluster 19	Enrichment Score: 0.28			
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT	110	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT	110	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT	138	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT	110	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT	110	6.4E-1	1.0E0
		Annotation Cluster 20	Enrichment Score: 0.27			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside metabolic process</a>	RT	4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside metabolic process</a>	RT	4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside metabolic process</a>	RT	5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside metabolic process</a>	RT	8	7.0E-1	1.0E0
		Annotation Cluster 21	Enrichment Score: 0.26			

<input type="checkbox"/>	INTERPRO	<a href="#">SANT_DNA-binding</a>	RT				8	3.4E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">SANT</a>	RT				8	3.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Myb_DNA-binding</a>	RT				4	6.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Myb transcription factor</a>	RT				3	8.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Myb-type HTH DNA-binding domain</a>	RT				3	8.0E-1	1.0E0	
	Annotation Cluster 22	Enrichment Score: 0.26					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT				14	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT				13	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT				13	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	RT				30	9.2E-1	1.0E0	
	Annotation Cluster 23	Enrichment Score: 0.26					Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">Protein of unknown function DUF6_transmembrane</a>	RT				4	4.5E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF036436:UCP036436	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Uncharacterised conserved protein UCP036436_nucleotide-sugar transporter-related</a>	RT				3	6.2E-1	1.0E0	
	Annotation Cluster 24	Enrichment Score: 0.25					Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">Radical SAM</a>	RT				4	4.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Elongator protein 3/MlaB/NiFB</a>	RT				3	6.2E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">Ftp3</a>	RT				3	6.2E-1	1.0E0	
	Annotation Cluster 25	Enrichment Score: 0.25					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide catabolic process</a>	RT				4	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT				5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside and nucleotide catabolic process</a>	RT				5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside_nucleotide and nucleic acid catabolic process</a>	RT				5	4.8E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:phosphoesterase_C1039.02 type	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:Pesterase_C1039	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">5'-Nucleotidase and apyrase</a>	RT				3	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Predicted phosphoesterase_C1039.02 type</a>	RT				3	6.2E-1	1.0E0	
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Nucleotide transport and metabolism</a>	RT				5	8.2E-1	1.0E0	
	Annotation Cluster 26	Enrichment Score: 0.24					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT				13	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT				13	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT				18	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA modification</a>	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT				8	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT				8	7.0E-1	1.0E0	
	Annotation Cluster 27	Enrichment Score: 0.24					Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT				20	5.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_laminin</a>	RT				16	6.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT				16	6.1E-1	1.0E0	
	Annotation Cluster 28	Enrichment Score: 0.23					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide biosynthetic process</a>	RT				4	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT				5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT				5	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT				7	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT				8	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">NAD metabolic process</a>	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">NAD biosynthetic process</a>	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide biosynthetic process</a>	RT				3	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secondary metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alkaloid metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amide metabolic process</a>	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT				4	6.3E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT					5	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT					6	6.7E-1	1.0EO
	Annotation Cluster 29	Enrichment Score: 0.22						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT					18	5.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter, transmembrane</a>	RT					7	5.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT					38	6.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT					38	6.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT					16	6.3E-1	9.9E-1
	Annotation Cluster 30	Enrichment Score: 0.21						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT					8	5.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein serine/threonine phosphatase complex</a>	RT					5	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT					9	7.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein phosphatase</a>	RT					3	7.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine phosphatase activity</a>	RT					3	7.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, manganese/magnesium aspartate binding site</a>	RT					3	8.0E-1	1.0EO
	Annotation Cluster 31	Enrichment Score: 0.21						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipase activity</a>	RT					3	6.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">triacylglycerol lipase activity</a>	RT					3	6.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Lipase, class 3</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carboxylesterase activity</a>	RT					4	6.3E-1	1.0EO
	Annotation Cluster 32	Enrichment Score: 0.21						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	RT					6	5.2E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT					9	6.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed RNA polymerase, subunit 2</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase, beta subunit, conserved site</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed RNA polymerase, subunit 2, domain 6</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb2, domain 3</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase, beta subunit, protrusion</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb2, domain 7</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleoside binding</a>	RT					3	7.8E-1	1.0EO
	Annotation Cluster 33	Enrichment Score: 0.2						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT					7	4.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT					7	4.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT					7	4.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT					9	4.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT					4	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT					5	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT					5	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT					7	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT					7	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT					5	7.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT					5	7.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Rab GTPase activator activity</a>	RT					3	7.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Ras GTPase activator activity</a>	RT					3	7.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab protein signal transduction</a>	RT					3	7.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab GTPase activity</a>	RT					3	7.9E-1	1.0EO
	Annotation Cluster 34	Enrichment Score: 0.19						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT					28	4.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT					18	5.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT					10	7.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT					29	7.3E-1	1.0EO

<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">tRNA metabolic process</a>	<b>RT</b>			21	8.6E-1	1.0EO		
	Annotation Cluster 35	Enrichment Score: 0.19				Count	P_Value	Benjamini		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">RNA recognition motif_RNP-1</a>	<b>RT</b>			9	6.4E-1	1.0EO		
<input type="checkbox"/>	<b>SMART</b>	<a href="#">RRM</a>	<b>RT</b>			9	6.5E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Nucleotide-binding_alpha-beta_plait</a>	<b>RT</b>			10	6.7E-1	1.0EO		
	Annotation Cluster 36	Enrichment Score: 0.18				Count	P_Value	Benjamini		
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">antiporter activity</a>	<b>RT</b>			5	4.8E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">drug transporter activity</a>	<b>RT</b>			4	6.3E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">drug transport</a>	<b>RT</b>			4	6.3E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">response to drug</a>	<b>RT</b>			4	6.3E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">multidrug transport</a>	<b>RT</b>			4	6.3E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Multi antimicrobial extrusion protein MatE</a>	<b>RT</b>			4	6.5E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Na+ driven multidrug efflux pump</a>	<b>RT</b>			3	8.0E-1	1.0EO		
<input type="checkbox"/>	<b>COG_ONTOLOGY</b>	<a href="#">Defense mechanisms</a>	<b>RT</b>			12	8.7E-1	1.0EO		
	Annotation Cluster 37	Enrichment Score: 0.18				Count	P_Value	Benjamini		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">hexose catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">alcohol catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">monosaccharide catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular carbohydrate catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">glucose catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">carbohydrate catabolic process</a>	<b>RT</b>			9	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">hexose metabolic process</a>	<b>RT</b>			12	6.6E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">glucose metabolic process</a>	<b>RT</b>			12	6.6E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">glycolysis</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">generation of precursor metabolites and energy</a>	<b>RT</b>			15	7.1E-1	1.0EO		
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">glycolysis</a>	<b>RT</b>			4	7.7E-1	9.9E-1		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">monosaccharide metabolic process</a>	<b>RT</b>			12	8.7E-1	1.0EO		
	Annotation Cluster 38	Enrichment Score: 0.17				Count	P_Value	Benjamini		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromatin organization</a>	<b>RT</b>			11	3.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromosome organization</a>	<b>RT</b>			13	3.8E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromatin assembly or disassembly</a>	<b>RT</b>			9	4.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromatin</a>	<b>RT</b>			8	5.8E-1	1.0EO		
<input type="checkbox"/>	<b>PIR_SUPERFAMILY</b>	PIRSF002052:histone H4	<b>RT</b>			3	6.1E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Histone H4</a>	<b>RT</b>			3	6.2E-1	1.0EO		
<input type="checkbox"/>	<b>SMART</b>	<a href="#">H4</a>	<b>RT</b>			3	6.2E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Histone-fold</a>	<b>RT</b>			9	6.4E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">nucleosome</a>	<b>RT</b>			7	6.8E-1	1.0EO		
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">chromosomal protein</a>	<b>RT</b>			7	6.8E-1	9.9E-1		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">protein-DNA complex assembly</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromatin assembly</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">DNA packaging</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nucleosome organization</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nucleosome assembly</a>	<b>RT</b>			7	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">protein-DNA complex</a>	<b>RT</b>			8	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular macromolecular complex assembly</a>	<b>RT</b>			14	6.9E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">macromolecular complex assembly</a>	<b>RT</b>			15	7.1E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Histone core</a>	<b>RT</b>			7	7.1E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular macromolecular complex subunit organization</a>	<b>RT</b>			14	7.7E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromosome</a>	<b>RT</b>			15	7.7E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">macromolecular complex subunit organization</a>	<b>RT</b>			15	7.7E-1	1.0EO		
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Histone H3</a>	<b>RT</b>			3	8.0E-1	1.0EO		
<input type="checkbox"/>	<b>SMART</b>	<a href="#">H3</a>	<b>RT</b>			3	8.0E-1	1.0EO		
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromosomal part</a>	<b>RT</b>			9	8.6E-1	1.0EO		
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">nucleosome core</a>	<b>RT</b>			4	8.7E-1	9.9E-1		
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">dna-binding</a>	<b>RT</b>			18	8.8E-1	9.9E-1		
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">nucleus</a>	<b>RT</b>			17	9.1E-1	9.9E-1		
	Annotation Cluster 39	Enrichment Score: 0.17				Count	P_Value	Benjamini		

<input type="checkbox"/>	Category	Term	RT	Count	P-Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT	12	5.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_2</a>	RT	11	5.8E-1	1.0E0	
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Signal transduction mechanisms / Cytoskeleton / Cell division and chromosome partitioning / General function prediction only</a>	RT	5	7.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_1</a>	RT	12	7.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT	9	7.1E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT	7	7.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT	7	7.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT	6	8.8E-1	1.0E0	
		Annotation Cluster 40	Enrichment Score: 0.17		Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT	7	5.5E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001525:lysine-tRNA ligase	RT	3	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)</a>	RT	3	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)-like</a>	RT	3	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid binding, OB-fold, tRNA/helicase-type</a>	RT	3	8.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT	4	9.7E-1	1.0E0	
		Annotation Cluster 41	Enrichment Score: 0.17		Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dipeptidase</a>	RT	3	6.0E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">dipeptidase activity</a>	RT	3	6.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT	7	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT	8	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT	4	8.7E-1	1.0E0	
		Annotation Cluster 42	Enrichment Score: 0.16		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT	149	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT	149	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT	146	4.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT	21	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT	103	7.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT	33	8.0E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT	37	8.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT	37	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT	80	9.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT	42	9.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT	50	9.6E-1	1.0E0	
		Annotation Cluster 43	Enrichment Score: 0.16		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT	4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT	4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT	4	6.3E-1	1.0E0	
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT	8	7.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT	4	8.9E-1	1.0E0	
		Annotation Cluster 44	Enrichment Score: 0.14		Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heme</a>	RT	4	6.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heme binding</a>	RT	5	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tetrapyrrole binding</a>	RT	5	6.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5, heme-binding site</a>	RT	3	8.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5</a>	RT	3	9.0E-1	1.0E0	
		Annotation Cluster 45	Enrichment Score: 0.14		Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT	11	6.9E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT	11	6.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT	10	8.3E-1	1.0E0	
		Annotation Cluster 46	Enrichment Score: 0.13		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT	7	5.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT	6	6.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT	6	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acyltransferase activity</a>	RT	6	7.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Acyltransferase</a>	RT	6	8.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT	5	9.3E-1	1.0E0	

Annotation Cluster 47		Enrichment Score: 0.13				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT			9	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT			9	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT			9	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT			33	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT			17	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT			9	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT			19	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT			8	6.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT			12	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT			16	7.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567: ubiquitin-protein ligase E2	RT			4	7.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT			15	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT			11	8.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT			21	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT			14	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT			14	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT			18	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT			20	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT			7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT			17	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT			17	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT			4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin-protein ligase activity</a>	RT			3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT			7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT			7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT			7	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT			7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT			45	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT			3	9.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	RT			3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT			6	9.7E-1	1.0E0
Annotation Cluster 48		Enrichment Score: 0.13				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">von Willebrand factor, type A</a>	RT			5	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">VWA</a>	RT			5	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Copine</a>	RT			3	9.0E-1	1.0E0
Annotation Cluster 49		Enrichment Score: 0.13				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT			11	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT			12	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT			13	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT			11	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT			7	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, core</a>	RT			4	8.9E-1	1.0E0
Annotation Cluster 50		Enrichment Score: 0.12				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	RT			14	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT			12	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT			12	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron, 4 sulfur cluster binding</a>	RT			5	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT			5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT			5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT			4	8.9E-1	1.0E0
Annotation Cluster 51		Enrichment Score: 0.12				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT			10	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT			10	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT			4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT			4	6.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		17	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		5	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle membrane</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">COPII vesicle coat</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		9	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		15	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		18	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT		6	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		12	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		12	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		12	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		17	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		17	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		5	9.5E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity</a>	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonuclease activity</a>	RT		6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity, producing 5'-phosphomonoesters</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters</a>	RT		4	8.7E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">CDP-alcohol phosphatidyltransferase</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT		5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, for other substituted phosphate groups</a>	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		7	9.1E-1	1.0E0
	Annotation Cluster 54	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class V/Cysteine desulfurase</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT		3	8.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class I and II</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 55	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion by cell</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">membrane docking</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking during exocytosis</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">exocytosis</a>	RT		3	7.9E-1	1.0E0



<input type="checkbox"/>											
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Sec1-like protein</a>	<b>RT</b>						3	8.0E-1	1.0E0
	Annotation Cluster 56	Enrichment Score: 0.09							Count	P_Value	Benjamini
<input type="checkbox"/>	<b>KEGG_PATHWAY</b>	<a href="#">Ribosome</a>	<b>RT</b>						38	6.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">translation</a>	<b>RT</b>						62	7.6E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">ribosomal protein</a>	<b>RT</b>						39	8.0E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">ribonucleoprotein complex</a>	<b>RT</b>						54	8.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">structural constituent of ribosome</a>	<b>RT</b>						37	8.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">ribosome</a>	<b>RT</b>						40	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">structural molecule activity</a>	<b>RT</b>						44	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">intracellular non-membrane-bounded organelle</a>	<b>RT</b>						85	9.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">non-membrane-bounded organelle</a>	<b>RT</b>						85	9.1E-1	1.0E0
	Annotation Cluster 57	Enrichment Score: 0.08							Count	P_Value	Benjamini
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">Endonuclease</a>	<b>RT</b>						17	7.2E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">endonuclease activity</a>	<b>RT</b>						19	7.4E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">rna-directed dna polymerase</a>	<b>RT</b>						13	7.5E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">RNA-directed DNA polymerase activity</a>	<b>RT</b>						13	8.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">nuclease activity</a>	<b>RT</b>						25	9.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">nucleotidyltransferase activity</a>	<b>RT</b>						36	9.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">DNA polymerase activity</a>	<b>RT</b>						15	9.8E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.07							Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">transmembrane transport</a>	<b>RT</b>						14	4.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	<b>RT</b>						5	4.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	<b>RT</b>						4	6.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">monovalent inorganic cation transport</a>	<b>RT</b>						10	6.3E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">proton-transporting V-type ATPase complex</a>	<b>RT</b>						6	6.6E-1	1.0E0
<input type="checkbox"/>	<b>KEGG_PATHWAY</b>	<a href="#">Oxidative phosphorylation</a>	<b>RT</b>						8	6.6E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">ion transport</a>	<b>RT</b>						14	6.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cation transport</a>	<b>RT</b>						14	6.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">proton-transporting two-sector ATPase complex</a>	<b>RT</b>						9	7.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">generation of precursor metabolites and energy</a>	<b>RT</b>						15	7.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">magnesium ion binding</a>	<b>RT</b>						9	7.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">hydrogen transport</a>	<b>RT</b>						9	7.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">proton transport</a>	<b>RT</b>						9	7.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	<b>RT</b>						23	7.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	<b>RT</b>						23	7.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">phospholipid transport</a>	<b>RT</b>						3	7.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">ion transmembrane transport</a>	<b>RT</b>						8	7.9E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	<b>RT</b>						3	8.0E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nucleotide biosynthetic process</a>	<b>RT</b>						21	8.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">purine nucleotide metabolic process</a>	<b>RT</b>						16	8.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">hydrogen ion transmembrane transporter activity</a>	<b>RT</b>						8	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	<b>RT</b>						8	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">oxidative phosphorylation</a>	<b>RT</b>						7	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">ATP synthesis coupled proton transport</a>	<b>RT</b>						7	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	<b>RT</b>						7	8.6E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">purine nucleotide biosynthetic process</a>	<b>RT</b>						15	8.8E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">ion transport</a>	<b>RT</b>						3	8.9E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">phospholipid-translocating ATPase activity</a>	<b>RT</b>						3	8.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">aminophospholipid transporter activity</a>	<b>RT</b>						3	8.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">phospholipid transporter activity</a>	<b>RT</b>						3	8.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">lipid transport</a>	<b>RT</b>						3	8.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">lipid localization</a>	<b>RT</b>						3	8.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">inorganic cation transmembrane transporter activity</a>	<b>RT</b>						9	9.0E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">nitrogen compound biosynthetic process</a>	<b>RT</b>						25	9.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">purine ribonucleotide metabolic process</a>	<b>RT</b>						14	9.1E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		14	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		14	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		14	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		13	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		5	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		9	1.0E0	1.0E0
	Annotation Cluster 59	Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT		8	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Phospholipid/glycerol acyltransferase</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PlsC</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT		7	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		29	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		21	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT		12	8.6E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class I, conserved site</a>	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT		10	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT		11	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT		11	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT		10	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT		4	9.7E-1	1.0E0
	Annotation Cluster 61	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		20	7.5E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT		6	7.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		42	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		35	9.0E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		15	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		23	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		15	9.3E-1	1.0E0
	Annotation Cluster 62	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT		4	8.7E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT		3	8.9E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT		29	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT		29	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region, conserved site</a>	RT		10	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region</a>	RT		15	8.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	RT		15	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT		17	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT		27	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT		27	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT		12	9.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT		16	9.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT		21	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT		21	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT		23	9.5E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular organelle lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-enclosed lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear lumen</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle lumen</a>	RT		3	8.9E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structure-specific DNA binding</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">double-stranded DNA binding</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">mismatched DNA binding</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mismatch repair</a>	RT		3	8.9E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		41	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		41	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		39	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, conserved site</a>	RT		15	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, subgroup</a>	RT		29	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT		24	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	RT		21	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, region</a>	RT		23	9.6E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter, conserved site</a>	RT		12	8.4E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT		12	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT		10	9.8E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.05			Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	RT				5	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	RT				3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	RT				3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	RT				3	9.4E-1	1.0E0
	Annotation Cluster 72	Enrichment Score: 0.04					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT				7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT				7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT				3	9.7E-1	1.0E0
	Annotation Cluster 73	Enrichment Score: 0.04					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT				9	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ADP-ribosylation factor</a>	RT				3	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ARF</a>	RT				3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT				11	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ARF/SAR superfamily</a>	RT				4	8.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT				6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT				22	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT				22	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT				22	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT				5	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT				17	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT				8	9.9E-1	1.0E0
	Annotation Cluster 74	Enrichment Score: 0.03					Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306:tubulin	RT				4	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ_2-layer sandwich domain</a>	RT				4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT				4	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT				4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ_GTPase domain</a>	RT				4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin conserved site</a>	RT				4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT				6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT				6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT				5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT				7	9.8E-1	1.0E0
	Annotation Cluster 75	Enrichment Score: 0.02					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">26S proteasome subunit P45</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, conserved site</a>	RT				6	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT				9	1.0E0	1.0E0
	Annotation Cluster 76	Enrichment Score: 0.01					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT				4	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT				4	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT				5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT				9	9.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584:molecular chaperone t-complex-type	RT				3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT				7	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT				3	9.9E-1	1.0E0
	Annotation Cluster 77	Enrichment Score: 0.01					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT				5	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT				5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT				6	9.8E-1	1.0E0
	Annotation Cluster 78	Enrichment Score: 0.01					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT				3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT				3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT				3	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT				3	9.9E-1	1.0E0
	Annotation Cluster 79	Enrichment Score: 0.01					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT				3	9.9E-1	1.0E0



## Functional Annotation Clustering

[Help and Manual](#)

Current Gene List: 3\_Random5

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

84 Cluster(s)

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	Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type, core</a>	RT		48	1.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT		48	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT		17	3.5E-1	1.0E0
Annotation Cluster 2					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT		26	5.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT		34	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT		47	2.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT		21	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		17	2.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT		16	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT		22	4.2E-1	1.0E0
Annotation Cluster 3					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		13	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		13	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		30	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		25	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		11	2.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		11	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		19	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		15	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		11	4.6E-1	1.0E0
Annotation Cluster 4					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		10	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		15	3.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT		7	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein folding</a>	RT		20	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		13	3.5E-1	1.0E0
Annotation Cluster 5					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, conserved site</a>	RT		21	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, subgroup</a>	RT		37	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	RT		29	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		47	2.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		47	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		45	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, region</a>	RT		30	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT		31	4.4E-1	1.0E0
Annotation Cluster 6					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		69	8.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		58	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		36	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		36	4.5E-1	1.0E0










					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		38	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_ATP binding site</a>	RT		46	7.7E-1	1.0E0
	Annotation Cluster 7	Enrichment Score: 0.5			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid deacetylation</a>	RT		6	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of RNA metabolic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin silencing</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of cellular biosynthetic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of biosynthetic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of gene expression, epigenetic</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression, epigenetic</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription, DNA-dependent</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD binding</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT		20	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD or NADH binding</a>	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT		8	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT		8	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">coenzyme binding</a>	RT		13	9.0E-1	1.0E0
	Annotation Cluster 8	Enrichment Score: 0.45			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT		15	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT		14	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT		14	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	RT		36	4.7E-1	1.0E0
	Annotation Cluster 9	Enrichment Score: 0.44			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubiquitin conjugation pathway</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		19	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT		23	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT		23	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		26	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT		23	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT		26	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		55	2.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ubiquitin mediated proteolysis</a>	RT		8	5.0E-1	9.8E-1
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT		5	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT		8	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT		16	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT		8	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT		17	8.8E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		260	2.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		260	3.3E-1	1.0E0

<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		180	6.0E-1	1.0EO
	Annotation Cluster 11	Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT		12	2.9E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT		10	4.5E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT		14	4.8E-1	9.9E-1
	Annotation Cluster 12	Enrichment Score: 0.39			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT		9	2.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT		9	2.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT		7	2.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		7	2.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT		10	3.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT		6	3.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT		6	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT		7	4.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT		7	4.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab GTPase activity</a>	RT		4	4.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab protein signal transduction</a>	RT		4	4.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT		7	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Rab GTPase activator activity</a>	RT		4	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Ras GTPase activator activity</a>	RT		4	4.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RabGAP/TBC</a>	RT		3	6.2E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">TBC</a>	RT		3	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT		3	9.0E-1	1.0EO
	Annotation Cluster 13	Enrichment Score: 0.37			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters</a>	RT		7	1.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity, producing 5'-phosphomonoesters</a>	RT		4	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity</a>	RT		4	6.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonuclease activity</a>	RT		6	8.1E-1	1.0EO
	Annotation Cluster 14	Enrichment Score: 0.35			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Alcohol dehydrogenase, iron-type</a>	RT		5	3.1E-1	1.0EO
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Energy production and conversion</a>	RT		7	4.6E-1	1.0EO
<input type="checkbox"/>	PIRSF000113	<a href="#">iron-containing alcohol dehydrogenase</a>	RT		3	6.5E-1	1.0EO
	Annotation Cluster 15	Enrichment Score: 0.32			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		9	2.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		8	3.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		8	3.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		6	3.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		6	5.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cofactor binding</a>	RT		21	6.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class I and II</a>	RT		4	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	RT		4	6.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT		4	6.7E-1	1.0EO
	Annotation Cluster 16	Enrichment Score: 0.31			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT		17	2.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT		16	3.4E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT		13	3.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT		17	4.3E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT		20	5.6E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT		15	7.0E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT		19	7.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT		8	8.3E-1	9.9E-1
	Annotation Cluster 17	Enrichment Score: 0.29			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		15	2.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		9	3.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		14	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT		30	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT		30	4.6E-1	1.0EO

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT					30	4.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT					25	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT					10	6.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT					8	7.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT					10	7.7E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT					3	9.6E-1	1.0EO
	Annotation Cluster 18	Enrichment Score: 0.28						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">thiolester hydrolase activity</a>	RT					7	2.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19_ubiquitin carboxyl-terminal hydrolase 2</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin thiolesterase activity</a>	RT					5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT					9	6.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19_ubiquitin carboxyl-terminal hydrolase 2_conserved site</a>	RT					3	8.0E-1	1.0EO
	Annotation Cluster 19	Enrichment Score: 0.28						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity_active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters</a>	RT					7	1.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Deoxyribonuclease_TatD Mg-dependent</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Deoxyribonuclease_TatD-related</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Deoxyribonuclease_TatD</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">deoxyribonuclease activity</a>	RT					3	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endodeoxyribonuclease activity_producing 5'-phosphomonoesters</a>	RT					3	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endodeoxyribonuclease activity</a>	RT					3	6.3E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005902:DNase_TatD	RT					3	6.5E-1	1.0EO
	Annotation Cluster 20	Enrichment Score: 0.27						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT					69	8.7E-2	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase_active site</a>	RT					58	1.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT					137	4.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT					177	4.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT					177	4.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT					161	4.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT					167	5.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT					152	5.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT					155	5.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_core</a>	RT					153	6.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT					332	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT					332	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT					156	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT					335	7.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT					191	7.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT					302	7.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT					302	7.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT					354	7.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT					305	7.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT					305	7.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT					306	8.1E-1	1.0EO
	Annotation Cluster 21	Enrichment Score: 0.26						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal protein L7A/RS6 family</a>	RT					4	4.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal protein L7Ae/L30e/S12e/Gadd45</a>	RT					5	5.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">High mobility group-like nuclear protein</a>	RT					3	6.2E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002165:ribosomal protein, L7Ab/L7Aa/L7Ae/L8e types/H/ACA ribonucleoprotein complex, NHP2 subunit	RT					3	6.5E-1	1.0EO
	Annotation Cluster 22	Enrichment Score: 0.24						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Dual specificity phosphatase_catalytic domain</a>	RT					5	3.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase_dual specificity</a>	RT					5	3.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine/serine/threonine phosphatase activity</a>	RT					5	3.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT					9	5.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT					10	6.6E-1	1.0EO



<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine phosphatase activity</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dual-specific/protein-tyrosine phosphatase conserved region</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase active site</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 23	Enrichment Score: 0.24			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transcription regulator activity</a>	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, TFIIIS-type</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2C2</a>	RT		3	6.3E-1	1.0E0
	Annotation Cluster 24	Enrichment Score: 0.24			Count	P_Value	Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT		15	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT		14	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter conserved site</a>	RT		13	7.2E-1	1.0E0
	Annotation Cluster 25	Enrichment Score: 0.24			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Acyltransferase</a>	RT		9	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT		7	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT		7	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT		6	8.0E-1	1.0E0
	Annotation Cluster 26	Enrichment Score: 0.23			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		9	7.1E-1	1.0E0
	Annotation Cluster 27	Enrichment Score: 0.23			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT		44	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT		55	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT		66	5.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT		40	6.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		40	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT		84	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT		84	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		42	7.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT		46	8.3E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.22			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		8	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		7	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amide metabolic process</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide metabolic process</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alkaloid metabolic process</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secondary metabolic process</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide metabolic process</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide biosynthetic process</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 29	Enrichment Score: 0.22			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Translation elongation factor EFTu/EF1A domain 2</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein synthesis factor, GTP-binding</a>	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational elongation</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">elongation factor</a>	RT		5	6.9E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT		10	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation elongation factor activity</a>	RT		5	8.0E-1	1.0E0	
	Annotation Cluster 30	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		21	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		15	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT		7	7.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		11	7.9E-1	9.9E-1	
	Annotation Cluster 31	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Lecithin</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatidylcholine-sterol O-acyltransferase activity</a>	RT		3	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">O-acyltransferase activity</a>	RT		3	6.3E-1	1.0E0	
	Annotation Cluster 32	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		5	5.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT		7	6.1E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT		4	7.9E-1	1.0E0	
	Annotation Cluster 33	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, for other substituted phosphate groups</a>	RT		4	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		9	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		8	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">CDP-alcohol phosphatidyltransferase</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		8	8.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT		4	8.8E-1	1.0E0	
	Annotation Cluster 34	Enrichment Score: 0.19				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT		6	2.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		9	5.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		5	6.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		13	7.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		4	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		4	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		10	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		11	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		10	8.8E-1	1.0E0	
	Annotation Cluster 35	Enrichment Score: 0.19				Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Terpenoid backbone biosynthesis</a>	RT		5	5.2E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid biosynthetic process</a>	RT		4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid metabolic process</a>	RT		4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		8	8.1E-1	1.0E0	
	Annotation Cluster 36	Enrichment Score: 0.18				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Phox-like</a>	RT		4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoinositide binding</a>	RT		4	6.6E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">PX</a>	RT		4	6.6E-1	1.0E0	
	Annotation Cluster 37	Enrichment Score: 0.18				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		18	4.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin adaptor, sigma subunit/coatomer, zeta subunit</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		14	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		14	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		14	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		20	6.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		8	7.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		8	7.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		19	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		19	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		16	8.1E-1	1.0E0	
	Annotation Cluster 38	Enrichment Score: 0.18				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, Jaminin</a>	RT		16	6.0E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT		16	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT		18	7.8E-1	1.0E0	

Annotation Cluster 39		Enrichment Score: 0.18			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT		154	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT		154	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT		154	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT		49	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT		57	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT		106	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT		85	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT		34	8.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT		35	9.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT		35	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT		15	9.9E-1	1.0E0
Annotation Cluster 40		Enrichment Score: 0.17			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT		5	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		17	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		10	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, VO domain</a>	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		15	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		15	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		25	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		25	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		17	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		17	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		17	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		17	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		13	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		23	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		10	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		15	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		15	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT		17	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		8	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		8	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		8	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		9	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		9	7.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		15	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		17	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		27	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		5	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		7	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT		7	8.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		10	8.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		7	8.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		4	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		10	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		13	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		13	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT		3	1.0E0	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.17			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		140	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		109	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		109	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		103	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		103	8.5E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.16			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Uncharacterised conserved protein UCP036436, nucleotide-sugar transporter-related</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF036436:UCP036436	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein of unknown function DUF6, transmembrane</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.16			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		18	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	RT		10	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT		13	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT		25	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT		17	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT		11	8.6E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908:serine/threonine-protein phosphatase, conventional type	RT		4	9.5E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.16			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT		14	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT		18	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT		13	5.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT		17	6.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT		8	7.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, beta-type subunit, conserved site</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT		8	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT		8	8.2E-1	1.0E0

<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT		8	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	RT		3	9.6E-1	1.0E0
Annotation Cluster 45		Enrichment Score: 0.16			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		55	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		41	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		47	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		27	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		17	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		15	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		15	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT		6	8.2E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		15	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		19	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		15	9.3E-1	1.0E0
Annotation Cluster 46		Enrichment Score: 0.16			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT		12	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_2</a>	RT		11	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT		10	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_1</a>	RT		12	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT		6	8.8E-1	1.0E0
Annotation Cluster 47		Enrichment Score: 0.15			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT		9	6.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Glycolysis / Gluconeogenesis</a>	RT		5	6.9E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		15	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT		13	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT		11	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT		11	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT		6	8.7E-1	1.0E0
Annotation Cluster 48		Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Prefoldin alpha-like</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">prefoldin complex</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosolic part</a>	RT		5	8.2E-1	1.0E0
Annotation Cluster 49		Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">dipeptidase activity</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dipeptidase</a>	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT		8	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT		4	8.9E-1	1.0E0
Annotation Cluster 50		Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid derivative biosynthetic process</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Glutathione metabolism</a>	RT		4	6.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid derivative metabolic process</a>	RT		3	9.0E-1	1.0E0
Annotation Cluster 51		Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		9	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		8	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inositol or phosphatidylinositol kinase activity</a>	RT		4	6.6E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT		4	8.8E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Kelch</a>	RT		4	8.0E-1	1.0E0
	Annotation Cluster 54	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">flagellum</a>	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cell projection</a>	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">flagellum</a>	RT		3	8.1E-1	1.0E0
	Annotation Cluster 55	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT		5	8.1E-1	1.0E0
	Annotation Cluster 56	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		23	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		23	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT		18	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT		54	7.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT		10	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT		24	7.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		24	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT		39	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT		23	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		24	8.6E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT		23	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		23	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		28	9.3E-1	1.0E0
	Annotation Cluster 57	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside metabolic process</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside metabolic process</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside metabolic process</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside metabolic process</a>	RT		7	8.7E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT		18	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT		10	7.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">EGF, extracellular</a>	RT		13	7.9E-1	1.0E0
	Annotation Cluster 59	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		16	7.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		34	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		34	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter, transmembrane</a>	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		16	8.9E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT		4	8.0E-1	1.0E0
	Annotation Cluster 61	Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase, FKBP-type</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		5	8.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT					5	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT					5	8.1E-1	9.9E-1
	Annotation Cluster 62	Enrichment Score: 0.08						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT					7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT					6	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT					6	9.3E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.08						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT					32	7.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT					14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT					14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT					14	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Rossmann-like alpha/beta/alpha sandwich fold</a>	RT					11	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT					13	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT					13	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT					13	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT					12	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class I, conserved site</a>	RT					5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT					21	8.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT					11	9.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT					27	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT					5	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT					4	9.7E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.07						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT					7	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT					4	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBQ</a>	RT					4	8.9E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antiporter activity</a>	RT					4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">multidrug transport</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">drug transport</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to drug</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">drug transporter activity</a>	RT					3	9.0E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT					6	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT					4	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT					4	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">viral nucleoprotein</a>	RT					8	8.9E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA modification</a>	RT					3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT					8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT					8	9.5E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT					3	9.0E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT					11	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT					11	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT					6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT					6	9.6E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.05						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT					4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT					3	9.0E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.05						Count	P_Value	Benjamini

<input type="checkbox"/>	Term	Enrichment Score	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mismatch repair</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">double-stranded DNA binding</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">mismatched DNA binding</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structure-specific DNA binding</a>	3	9.0E-1	1.0E0
Annotation Cluster 72		Enrichment Score: 0.04			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	3	9.5E-1	1.0E0
Annotation Cluster 73		Enrichment Score: 0.04			
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	11	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	16	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	12	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	12	9.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	12	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	4	9.7E-1	1.0E0
Annotation Cluster 74		Enrichment Score: 0.04			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	3	9.8E-1	1.0E0
Annotation Cluster 75		Enrichment Score: 0.04			
<input type="checkbox"/>	INTERPRO	<a href="#">Myb_DNA-binding</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">SANT_DNA-binding</a>	5	9.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">SANT</a>	5	9.4E-1	1.0E0
Annotation Cluster 76		Enrichment Score: 0.03			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	26	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	26	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	27	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	16	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region, conserved site</a>	9	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	21	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	21	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	13	9.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	13	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	26	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	15	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	22	9.8E-1	1.0E0
Annotation Cluster 77		Enrichment Score: 0.03			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	5	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">methyltransferase</a>	9	9.9E-1	1.0E0
Annotation Cluster 78		Enrichment Score: 0.03			
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif_RNP-1</a>	7	9.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	7	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding_alpha-beta plait</a>	7	9.7E-1	1.0E0
Annotation Cluster 79		Enrichment Score: 0.02			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	27	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	14	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	8	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	21	9.9E-1	1.0E0
Annotation Cluster 80		Enrichment Score: 0.02			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	13	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	8	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	6	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	12	9.5E-1	1.0E0



<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT		13	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT		12	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT		11	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT		5	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT		6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT		5	9.9E-1	1.0E0
Annotation Cluster 81		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT		9	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT		8	9.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT		8	9.7E-1	1.0E0
Annotation Cluster 82		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT		8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 83		Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT		8	9.9E-1	1.0E0
Annotation Cluster 84		Enrichment Score: 0.01			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306:tubulin	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin, conserved site</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT		3	9.9E-1	1.0E0

186 terms were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44 & Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">cis-trans isomerase activity</a>	<b>RT</b>		3	9.9E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	<b>RT</b>		3	9.9E-1	1.0EO

were not clustered.

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## Functional Annotation Clustering

[Help and Manual](#)

Current Gene List: 3\_Random6

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

83 Cluster(s)

[Download File](#)

	Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
<input type="checkbox"/>	Annotation Cluster 1	1.37					
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		23	1.2E-2	7.3E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		45	3.2E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		45	3.2E-2	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		24	3.4E-2	8.5E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter, transmembrane</a>	RT		8	3.5E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 2	0.97					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT		36	2.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT		36	2.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT		36	2.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		16	1.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT		29	1.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT		12	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		11	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		13	6.0E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 3	0.78					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		16	4.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		15	6.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		16	8.1E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		16	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin core</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 4	0.77					
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		268	1.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		268	2.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		188	2.2E-1	9.9E-1
<input type="checkbox"/>	Annotation Cluster 5	0.76					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		24	1.1E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		21	9.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		23	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		23	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		9	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		23	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		16	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		16	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		16	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		10	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		10	3.6E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 6	0.67					
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type core</a>	RT		19	1.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type core</a>	RT		46	2.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT		46	3.1E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 7	0.63					
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		118	9.5E-2	1.0E0

<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		118	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		116	3.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		143	3.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		116	4.4E-1	1.0E0
Annotation Cluster 8		Enrichment Score: 0.53			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	RT		19	3.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron, 4 sulfur cluster binding</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT		7	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT		7	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT		5	6.9E-1	1.0E0
Annotation Cluster 9		Enrichment Score: 0.51			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational elongation</a>	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Translation elongation factor EFTu/EF1A, domain 2</a>	RT		5	3.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">elongation factor</a>	RT		6	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation elongation factor activity</a>	RT		6	5.6E-1	1.0E0
Annotation Cluster 10		Enrichment Score: 0.47			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT		116	2.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT		40	2.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT		93	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT		43	3.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT		53	3.4E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT		43	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT		23	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT		62	3.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT		153	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT		153	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT		151	4.4E-1	1.0E0
Annotation Cluster 11		Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		10	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		22	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT		21	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		29	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		29	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		27	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		20	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		20	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		20	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		20	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		18	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		18	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		10	1.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		10	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		19	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		32	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		7	2.9E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		9	4.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">phosphoprotein</a>	RT		4	4.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		18	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		18	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		19	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		19	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		19	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		12	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		13	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001292: vacuolar H(+)-transporting ATPase 16K chain	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, F0/V0 complex, subunit C</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, V0 complex, proteolipid subunit C</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		9	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		8	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		8	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		8	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		15	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		9	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 12		Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		22	2.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		13	4.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		16	5.2E-1	1.0E0
Annotation Cluster 13		Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		16	1.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		9	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		11	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras small GTPase, Rab type</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RAB</a>	RT		4	4.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710: Ras-related protein Rab	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT		9	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		13	6.0E-1	1.0E0
Annotation Cluster 14		Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		4	6.6E-1	1.0E0
Annotation Cluster 15		Enrichment Score: 0.36			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		13	9.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		9	2.0E-1	1.0E0






<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		7	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		10	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		10	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT		8	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor, adaptin-like, N-terminal</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle membrane</a>	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle</a>	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">COPII vesicle coat</a>	RT		3	7.7E-1	1.0E0
	Annotation Cluster 16	Enrichment Score: 0.32			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		10	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		10	1.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		10	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		7	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT		7	8.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		8	8.8E-1	1.0E0
	Annotation Cluster 17	Enrichment Score: 0.32			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein synthesis factor, GTP-binding</a>	RT		7	2.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF003007: translation elongation factor Tu	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Translation elongation factor EFTu/EF1A, C-terminal</a>	RT		3	6.3E-1	1.0E0
	Annotation Cluster 18	Enrichment Score: 0.3			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		51	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		25	2.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		54	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		20	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		42	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		29	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		15	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		17	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT		6	8.2E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		15	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		15	8.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		15	8.5E-1	1.0E0
	Annotation Cluster 19	Enrichment Score: 0.3			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		9	2.6E-1	1.0E0

<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		7	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class V/Cysteine desulfurase</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class I and II</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT		3	9.1E-1	1.0E0
	Annotation Cluster 20	Enrichment Score: 0.29			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT		20	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT		17	3.9E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT		12	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT		17	4.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT		20	4.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT		9	6.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT		13	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT		13	8.5E-1	1.0E0
	Annotation Cluster 21	Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter, conserved site</a>	RT		15	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT		15	5.1E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT		14	6.9E-1	1.0E0
	Annotation Cluster 22	Enrichment Score: 0.27			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT		10	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT		4	6.6E-1	1.0E0
	Annotation Cluster 23	Enrichment Score: 0.26			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT		10	3.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT		10	5.7E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT		11	8.3E-1	1.0E0
	Annotation Cluster 24	Enrichment Score: 0.25			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein of unknown function DUF6, transmembrane</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF036436; UCPO36436	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Uncharacterised conserved protein UCPO36436, nucleotide-sugar transporter-related</a>	RT		3	6.3E-1	1.0E0
	Annotation Cluster 25	Enrichment Score: 0.24			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">dipeptidase activity</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dipeptidase</a>	RT		3	6.4E-1	9.9E-1
	Annotation Cluster 26	Enrichment Score: 0.23			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT		10	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase M24, structural domain</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carboxypeptidase activity</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallocarboxypeptidase activity</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase M14, carboxypeptidase A</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Zn_pept</a>	RT		3	9.1E-1	1.0E0
	Annotation Cluster 27	Enrichment Score: 0.22			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT		12	4.2E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">EGF, extracellular</a>	RT		14	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT		19	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF</a>	RT		5	6.9E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.22			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid binding, OB-fold, tRNA/helicase-type</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT		7	6.1E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001525: lysine-tRNA ligase	RT		3	6.2E-1	1.0E0

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)-like</a>	RT	3	6.3E-1 1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (D, K and N)</a>	RT	3	6.3E-1 1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT	6	7.1E-1 1.0E0
	Annotation Cluster 29	Enrichment Score: 0.22		Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT	4	6.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT	4	6.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT	4	6.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT	4	6.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT	4	6.1E-1 1.0E0
	Annotation Cluster 30	Enrichment Score: 0.21		Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT	6	3.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT	6	3.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose biosynthetic process</a>	RT	3	7.9E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyruvate metabolic process</a>	RT	3	7.9E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide biosynthetic process</a>	RT	3	7.9E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gluconeogenesis</a>	RT	3	7.9E-1 1.0E0
	Annotation Cluster 31	Enrichment Score: 0.21		Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT	9	3.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT	9	3.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT	19	5.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD or NADH binding</a>	RT	6	5.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of RNA metabolic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin silencing</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of gene expression, epigenetic</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression, epigenetic</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription, DNA-dependent</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of biosynthetic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of cellular biosynthetic process</a>	RT	4	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD binding</a>	RT	4	6.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT	5	6.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT	5	6.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT	5	6.6E-1 1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT	4	6.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid deacetylation</a>	RT	4	7.8E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT	5	8.0E-1 1.0E0
	Annotation Cluster 32	Enrichment Score: 0.2		Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT	11	2.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT	6	3.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT	9	5.0E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT	8	5.9E-1 1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">CDP-alcohol phosphatidyltransferase</a>	RT	3	6.3E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, for other substituted phosphate groups</a>	RT	3	8.0E-1 1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Inositol phosphate metabolism</a>	RT	3	8.7E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT	3	9.7E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT	3	9.7E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT	3	9.7E-1 1.0E0
	Annotation Cluster 33	Enrichment Score: 0.2		Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">SET</a>	RT	5	5.2E-1 1.0E0
<input type="checkbox"/>	SMART	<a href="#">SET</a>	RT	5	5.4E-1 1.0E0



<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Post-SET zinc-binding region</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">PostSET</a>	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">methyltransferase</a>	RT		11	9.0E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein amino acid lipidation</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">lipoprotein biosynthetic process</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">lipoprotein metabolic process</a>	RT		4	6.4E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.2				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">acetyltransferase activity</a>	RT		7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acyltransferase activity</a>	RT		7	5.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Acyl-CoA N-acyltransferase</a>	RT		7	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acetyltransferase activity</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">GCN5-related N-acetyltransferase</a>	RT		6	7.1E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 0.19				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">FAD binding</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Pyridine nucleotide-disulphide oxidoreductase, NAD-binding region</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">FAD-dependent pyridine nucleotide-disulphide oxidoreductase</a>	RT		3	8.1E-1	1.0E0
	Annotation Cluster 37	Enrichment Score: 0.19				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">ARF/SAR superfamily</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY		PIRSF001711:ADP-ribosylation factor	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">ADP-ribosylation factor</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">ARF</a>	RT		3	8.2E-1	1.0E0
	Annotation Cluster 38	Enrichment Score: 0.19				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">Transcription</a>	RT		6	5.7E-1	9.9E-1
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase Rpb1, domain 3</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase, N-terminal</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase Rpb1, domain 1</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase Rpb1, domain 5</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase Rpb1, domain 4</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA polymerase, alpha subunit</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">RPOLA_N</a>	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">dna-directed rna polymerase</a>	RT		9	6.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">ribonucleoside binding</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 0.16				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">response to drug</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">multidrug transport</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">drug transport</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">drug transporter activity</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">antiporter activity</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Na+ driven multidrug efflux pump</a>	RT		3	8.1E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 0.16				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular response to stress</a>	RT		13	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">DNA repair</a>	RT		12	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">response to DNA damage stimulus</a>	RT		12	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">DNA metabolic process</a>	RT		32	8.2E-1	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.16				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">rRNA metabolic process</a>	RT		9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">rRNA processing</a>	RT		9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">ribonucleoprotein complex biogenesis</a>	RT		12	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">ribosome biogenesis</a>	RT		12	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">ncRNA processing</a>	RT		16	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">tRNA processing</a>	RT		8	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">RNA processing</a>	RT		22	9.6E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.16				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Nucleotide-binding, alpha-beta plait</a>	RT		11	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">RNA recognition motif, RNP-1</a>	RT		8	8.3E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">RRM</a>	RT		8	8.5E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.14				Count	P_Value	Benjamini

<input type="checkbox"/>	Annotation	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase regulator activity</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">kinase regulator activity</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.14					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT		67	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT		50	5.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT		38	6.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT		54	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		39	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT		40	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		37	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT		80	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT		80	9.8E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.14					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tubulin-tyrosine ligase activity</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin-tyrosine ligase</a>	RT		5	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT		15	8.2E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.14					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		23	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		17	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		14	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		9	6.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		9	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		9	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		9	8.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		20	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		6	9.9E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.13					Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">SANT, DNA-binding</a>	RT		7	6.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">SANT</a>	RT		7	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb-type HTH DNA-binding domain</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb transcription factor</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Myb, DNA-binding</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.13					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT		13	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT		13	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT		13	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT		8	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT		5	9.6E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.13					Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		16	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		16	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT		23	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT		20	6.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT		16	6.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		22	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT		5	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT		19	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT		19	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT		8	7.4E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubi conjugation pathway</a>	8	7.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	8	7.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	8	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	8	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	8	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	10	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	10	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	13	9.7E-1	1.0E0
Annotation Cluster 50			Enrichment Score: 0.12		Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secondary metabolic process</a>	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alkaloid metabolic process</a>	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amide metabolic process</a>	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide metabolic process</a>	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nicotinamide nucleotide metabolic process</a>	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	3	9.9E-1	1.0E0
Annotation Cluster 51			Enrichment Score: 0.12		Count P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	38	4.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	60	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	47	7.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	51	7.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	127	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	29	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	29	9.7E-1	1.0E0
Annotation Cluster 52			Enrichment Score: 0.12		Count P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	7	6.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	14	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	29	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	13	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	13	7.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	13	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	12	8.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	11	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	21	8.7E-1	1.0E0
Annotation Cluster 53			Enrichment Score: 0.12		Count P_Value Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002585: heat shock protein DnaJ	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ</a>	3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone DnaJ, C-terminal</a>	3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	5	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	5	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	5	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	9	9.8E-1	1.0E0
Annotation Cluster 54			Enrichment Score: 0.12		Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	5	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	4	8.0E-1	1.0E0

Annotation Cluster	Term	Enrichment Score	RT	Count	P_Value	Benjamini
SMART Annotation Cluster 55	<a href="#">Kelch</a>	0.11	RT	4	8.2E-1	1.0E0
INTERPRO	<a href="#">Tyrosine protein kinase</a>		RT	5	6.9E-1	1.0E0
SMART	<a href="#">TyrKc</a>		RT	5	7.1E-1	1.0E0
GOTERM_MF_FAT Annotation Cluster 56	<a href="#">protein tyrosine kinase activity</a>	0.11	RT	12	9.7E-1	1.0E0
GOTERM_CC_FAT	<a href="#">cell projection</a>		RT	3	7.7E-1	1.0E0
GOTERM_CC_FAT	<a href="#">flagellum</a>		RT	3	7.7E-1	1.0E0
SP_PIR_KEYWORDS Annotation Cluster 57	<a href="#">flagellum</a>	0.1	RT	3	8.1E-1	9.9E-1
INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>		RT	8	5.0E-1	1.0E0
COG_ONTOLOGY	<a href="#">Cytoskeleton</a>		RT	13	7.5E-1	1.0E0
GOTERM_CC_FAT	<a href="#">dynein complex</a>		RT	7	7.6E-1	1.0E0
INTERPRO	<a href="#">Dynein heavy chain</a>		RT	7	8.2E-1	1.0E0
GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>		RT	8	8.4E-1	1.0E0
GOTERM_MF_FAT	<a href="#">motor activity</a>		RT	20	9.7E-1	1.0E0
GOTERM_MF_FAT Annotation Cluster 58	<a href="#">microtubule motor activity</a>	0.1	RT	20	9.7E-1	1.0E0
GOTERM_BP_FAT	<a href="#">membrane docking</a>		RT	3	7.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">exocytosis</a>		RT	3	7.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">secretion</a>		RT	3	7.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">vesicle docking during exocytosis</a>		RT	3	7.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">vesicle docking</a>		RT	3	7.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">secretion by cell</a>		RT	3	7.9E-1	1.0E0
INTERPRO Annotation Cluster 59	<a href="#">Sec1-like protein</a>	0.1	RT	3	8.1E-1	1.0E0
INTERPRO	<a href="#">Zinc finger, C2H2-type</a>		RT	11	7.0E-1	1.0E0
INTERPRO	<a href="#">Zinc finger, C2H2-like</a>		RT	10	8.4E-1	1.0E0
SMART Annotation Cluster 60	<a href="#">ZnF_C2H2</a>	0.1	RT	10	8.6E-1	1.0E0
INTERPRO	<a href="#">Beta tubulin</a>		RT	3	6.3E-1	1.0E0
GOTERM_BP_FAT	<a href="#">protein complex assembly</a>		RT	8	7.1E-1	1.0E0
GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>		RT	8	7.1E-1	1.0E0
GOTERM_BP_FAT	<a href="#">protein polymerization</a>		RT	5	7.8E-1	1.0E0
GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>		RT	15	7.8E-1	1.0E0
INTERPRO	<a href="#">Beta tubulin, autoregulation binding site</a>		RT	4	8.0E-1	1.0E0
INTERPRO	<a href="#">Tubulin, conserved site</a>		RT	5	8.1E-1	1.0E0
INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>		RT	5	8.1E-1	1.0E0
INTERPRO	<a href="#">Tubulin</a>		RT	5	8.1E-1	1.0E0
GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>		RT	14	8.3E-1	1.0E0
GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>		RT	6	8.7E-1	1.0E0
GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>		RT	13	8.8E-1	1.0E0
PIR_SUPERFAMILY	PIRSF002306:tubulin		RT	4	8.8E-1	1.0E0
INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>		RT	4	8.9E-1	1.0E0
GOTERM_BP_FAT Annotation Cluster 61	<a href="#">cellular macromolecular complex assembly</a>	0.09	RT	12	9.1E-1	1.0E0
INTERPRO	<a href="#">Copine</a>		RT	4	6.6E-1	1.0E0
INTERPRO	<a href="#">von Willebrand factor, type A</a>		RT	4	8.9E-1	1.0E0
SMART Annotation Cluster 62	<a href="#">VWA</a>	0.09	RT	4	9.0E-1	1.0E0
SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>		RT	162	4.3E-1	9.8E-1
GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>		RT	152	6.5E-1	1.0E0
SP_PIR_KEYWORDS	<a href="#">atp-binding</a>		RT	150	6.6E-1	9.9E-1
GOTERM_BP_FAT	<a href="#">phosphorylation</a>		RT	162	6.9E-1	1.0E0
GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>		RT	170	7.4E-1	1.0E0
GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>		RT	170	7.4E-1	1.0E0
GOTERM_MF_FAT	<a href="#">protein kinase activity</a>		RT	154	7.4E-1	1.0E0
INTERPRO	<a href="#">Protein kinase, core</a>		RT	151	7.9E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		352	8.1E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		328	8.8E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		322	9.2E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		322	9.2E-1	1.0EO			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		184	9.3E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		127	9.3E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		295	9.8E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		292	9.8E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		292	9.8E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		286	9.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		286	9.9E-1	1.0EO			
Annotation Cluster 63					Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed DNA polymerase activity</a>	RT		7	5.9E-1	1.0EO			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT		6	8.2E-1	9.9E-1			
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B</a>	RT		3	9.0E-1	1.0EO			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed dna polymerase</a>	RT		3	9.1E-1	1.0EO			
<input type="checkbox"/>	SMART	<a href="#">POLBc</a>	RT		3	9.1E-1	1.0EO			
Annotation Cluster 64					Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT		55	6.2E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT		41	6.4E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT		18	6.6E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		21	8.2E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		21	8.2E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT		23	8.8E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT		23	8.8E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT		9	8.9E-1	1.0EO			
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		23	9.1E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT		23	9.1E-1	1.0EO			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		23	9.2E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		28	9.2E-1	1.0EO			
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		23	9.3E-1	1.0EO			
Annotation Cluster 65					Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		5	8.0E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		5	8.0E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase, FKBP-type</a>	RT		4	8.0E-1	1.0EO			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		5	8.1E-1	9.9E-1			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein folding</a>	RT		15	9.2E-1	1.0EO			
Annotation Cluster 66					Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyltransferase activity</a>	RT		4	6.6E-1	1.0EO			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		3	8.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		3	8.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		3	8.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		3	8.9E-1	1.0EO			
Annotation Cluster 67					Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT		33	6.2E-1	9.9E-1			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubi conjugation pathway</a>	RT		8	7.5E-1	9.9E-1			
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT		4	7.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT		15	8.2E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT		17	8.8E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT		6	9.3E-1	1.0EO			
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT		6	9.3E-1	1.0EO			
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT		6	9.4E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT		6	9.6E-1	1.0EO			
Annotation Cluster 68					Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT		20	6.9E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		13	8.5E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT		27	8.6E-1	1.0EO			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">rna-directed dna polymerase</a>	RT		12	9.1E-1	1.0EO			

<input type="checkbox"/>	Annotation	Enrichment Score	Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS				
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	17	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	15	9.4E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.06	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleobase, nucleoside, nucleotide kinase activity</a>	6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, phosphate group as acceptor</a>	4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide kinase activity</a>	3	9.0E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.06	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	19	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	11	8.6E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	8	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	8	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	14	9.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908: serine/threonine-protein phosphatase, conventional type	4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	22	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	9	9.8E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.06	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear lumen</a>	3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-enclosed lumen</a>	3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular organelle lumen</a>	3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle lumen</a>	3	8.8E-1	1.0E0
	Annotation Cluster 72	Enrichment Score: 0.05	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heme binding</a>	4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tetrapyrrole binding</a>	4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heme</a>	3	9.1E-1	1.0E0
	Annotation Cluster 73	Enrichment Score: 0.04	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoinositide binding</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Phox-like</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PX</a>	3	9.1E-1	1.0E0
	Annotation Cluster 74	Enrichment Score: 0.04	Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region, conserved site</a>	11	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	17	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	28	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	17	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	24	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	26	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	26	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	26	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	20	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	20	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	12	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">K1Sc</a>	12	9.9E-1	1.0E0
	Annotation Cluster 75	Enrichment Score: 0.03	Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	17	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	13	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	10	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	11	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpc repeat</a>	4	9.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	11	9.8E-1	1.0E0
	Annotation Cluster 76	Enrichment Score: 0.03	Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, subgroup</a>	30	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, conserved site</a>	15	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	38	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	39	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	22	9.3E-1	1.0E0

<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd_repeat</a>	RT					25	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT					39	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_region</a>	RT					23	9.7E-1	1.0E0
	Annotation Cluster 77	Enrichment Score: 0.03						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine phosphatase activity</a>	RT					4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT					14	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT					6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT					7	9.7E-1	1.0E0
	Annotation Cluster 78	Enrichment Score: 0.03						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT					15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT					14	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT					13	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	RT					4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT					12	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT					7	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT					5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	RT					7	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT					8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	RT					11	9.9E-1	1.0E0
	Annotation Cluster 79	Enrichment Score: 0.02						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT					3	9.6E-1	1.0E0
	Annotation Cluster 80	Enrichment Score: 0.01						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">prefoldin complex</a>	RT					3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT					9	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosolic part</a>	RT					3	9.9E-1	1.0E0
	Annotation Cluster 81	Enrichment Score: 0.01						Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type_core</a>	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein_core</a>	RT					4	9.9E-1	1.0E0
	Annotation Cluster 82	Enrichment Score: 0.01						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT					6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT					4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT					4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT					3	9.9E-1	1.0E0
	Annotation Cluster 83	Enrichment Score: 0						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_1</a>	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_2</a>	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT					4	1.0E0	1.0E0

225 terms were not clustered.

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Please cite [Nature Protocols 2009; 4\(1\):44](#) & [Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

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Current Gene List: 3\_Random7

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

79 Cluster(s)

[Download File](#)

	Annotation Cluster 1	Enrichment Score: 0.98			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		22	3.4E-2	9.7E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		28	3.5E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		18	6.1E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		12	9.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		31	1.0E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		12	1.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		13	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		13	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		12	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		9	3.9E-1	1.0E0
	Annotation Cluster 2	Enrichment Score: 0.92			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		23	4.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		37	8.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT		33	8.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT		16	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT		16	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT		13	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		27	2.7E-1	1.0E0
	Annotation Cluster 3	Enrichment Score: 0.9			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT		167	1.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT		168	2.2E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT		168	2.2E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT		99	7.8E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT		121	8.0E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT		43	2.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT		43	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT		53	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT		61	4.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT		38	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT		21	6.2E-1	1.0E0
	Annotation Cluster 4	Enrichment Score: 0.78			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		40	3.1E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT		32	6.3E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		32	6.6E-2	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		32	6.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT		31	7.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT		22	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT		30	1.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		30	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		26	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		26	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT		10	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT		39	8.4E-1	1.0E0

<input type="checkbox"/>												
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">ATPase activity</a>	<b>RT</b>							50	9.4E-1	1.0E0
	Annotation Cluster 5	Enrichment Score: 0.58								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Serine/threonine protein kinase</a>	<b>RT</b>							40	9.9E-2	1.0E0
<input type="checkbox"/>	<b>SMART</b>	<a href="#">S_TKc</a>	<b>RT</b>							40	1.1E-1	9.9E-1
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">protein serine/threonine kinase activity</a>	<b>RT</b>							68	1.5E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Serine/threonine protein kinase, active site</a>	<b>RT</b>							56	2.8E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">serine/threonine-protein kinase</a>	<b>RT</b>							34	7.9E-1	9.9E-1
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Protein kinase, ATP binding site</a>	<b>RT</b>							42	9.5E-1	1.0E0
	Annotation Cluster 6	Enrichment Score: 0.53								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin fold</a>	<b>RT</b>							17	1.2E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin-like</a>	<b>RT</b>							11	1.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cell redox homeostasis</a>	<b>RT</b>							14	1.8E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	<b>RT</b>							6	2.1E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular homeostasis</a>	<b>RT</b>							14	2.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">homeostatic process</a>	<b>RT</b>							14	3.8E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin, core</a>	<b>RT</b>							6	3.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">antioxidant activity</a>	<b>RT</b>							6	4.0E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin domain</a>	<b>RT</b>							5	5.1E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin, conserved site</a>	<b>RT</b>							5	5.1E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Thioredoxin-like subdomain</a>	<b>RT</b>							4	6.5E-1	1.0E0
	Annotation Cluster 7	Enrichment Score: 0.49								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">EGF-like, type 3</a>	<b>RT</b>							23	1.5E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">EGF, extracellular</a>	<b>RT</b>							16	3.2E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">EGF</a>	<b>RT</b>							6	3.8E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">egf-like domain</a>	<b>RT</b>							11	5.9E-1	9.9E-1
	Annotation Cluster 8	Enrichment Score: 0.45								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">vesicle-mediated transport</a>	<b>RT</b>							21	1.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">intracellular transport</a>	<b>RT</b>							20	2.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">coated membrane</a>	<b>RT</b>							11	2.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">membrane coat</a>	<b>RT</b>							11	2.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">endomembrane system</a>	<b>RT</b>							12	2.9E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular protein localization</a>	<b>RT</b>							16	3.5E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">intracellular protein transport</a>	<b>RT</b>							16	3.5E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular macromolecule localization</a>	<b>RT</b>							16	3.5E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">Golgi apparatus</a>	<b>RT</b>							8	5.0E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">establishment of protein localization</a>	<b>RT</b>							20	6.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">protein transport</a>	<b>RT</b>							20	6.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">protein localization</a>	<b>RT</b>							20	7.1E-1	1.0E0
	Annotation Cluster 9	Enrichment Score: 0.44								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">SET</a>	<b>RT</b>							6	2.1E-1	1.0E0
<input type="checkbox"/>	<b>SMART</b>	<a href="#">SET</a>	<b>RT</b>							6	2.1E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Post-SET zinc-binding region</a>	<b>RT</b>							3	6.2E-1	1.0E0
<input type="checkbox"/>	<b>SMART</b>	<a href="#">PostSET</a>	<b>RT</b>							3	6.3E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 0.42								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">EGF-like, type 3</a>	<b>RT</b>							23	1.5E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">EGF-like, laminin</a>	<b>RT</b>							16	6.0E-1	1.0E0
<input type="checkbox"/>	<b>SMART</b>	<a href="#">EGF_Lam</a>	<b>RT</b>							16	6.2E-1	1.0E0
	Annotation Cluster 11	Enrichment Score: 0.37								Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromosome organization</a>	<b>RT</b>							15	1.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromosome</a>	<b>RT</b>							20	1.4E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromosomal part</a>	<b>RT</b>							13	2.2E-1	1.0E0
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Histone-fold</a>	<b>RT</b>							11	2.3E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">protein-DNA complex</a>	<b>RT</b>							10	3.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromatin assembly or disassembly</a>	<b>RT</b>							10	3.2E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">chromatin organization</a>	<b>RT</b>							11	3.7E-1	1.0E0
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">nucleosome core</a>	<b>RT</b>							6	3.8E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">chromatin</a>	<b>RT</b>							9	4.0E-1	1.0E0
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">cellular macromolecular complex assembly</a>	<b>RT</b>							16	4.5E-1	1.0E0

<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT		8	4.8E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT		8	4.9E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	RT		22	4.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT		8	5.0E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT		8	5.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT		8	5.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT		8	5.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT		8	5.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT		8	5.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT		16	5.5E-1	1.0EO	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002052:histone H4	RT		3	5.9E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H4</a>	RT		3	6.2E-1	1.0EO	
<input type="checkbox"/>	SMART	<a href="#">H4</a>	RT		3	6.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT		16	6.4E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	RT		20	6.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT		16	7.2E-1	1.0EO	
Annotation Cluster 12					Enrichment Score: 0.35			Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT		10	1.9E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT		5	6.7E-1	1.0EO	
<input type="checkbox"/>	SMART	<a href="#">UBQ</a>	RT		5	6.8E-1	1.0EO	
Annotation Cluster 13					Enrichment Score: 0.35			Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosolic part</a>	RT		8	2.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">prefoldin complex</a>	RT		6	2.1E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Prefoldin alpha-like</a>	RT		3	6.2E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Prefoldin beta-like</a>	RT		3	6.2E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		13	6.7E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein folding</a>	RT		18	6.8E-1	1.0EO	
Annotation Cluster 14					Enrichment Score: 0.34			Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		68	1.5E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, core</a>	RT		162	2.0E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		164	2.4E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		56	2.8E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		165	2.8E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		174	3.0E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		197	3.0E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		183	3.2E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		183	3.2E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		139	3.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		311	6.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		311	6.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		306	6.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		306	6.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		312	7.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		359	7.2E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		337	7.5E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		332	7.8E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		332	7.8E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		141	9.1E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		141	9.9E-1	1.0EO	
Annotation Cluster 15					Enrichment Score: 0.32			Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase M14, carboxypeptidase A</a>	RT		5	3.1E-1	1.0EO	
<input type="checkbox"/>	SMART	<a href="#">Zn_pept</a>	RT		5	3.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT		6	4.0E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallocarboxypeptidase activity</a>	RT		4	4.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carboxypeptidase activity</a>	RT		4	4.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT		7	7.4E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT		7	8.9E-1	1.0EO	

Annotation Cluster 16		Enrichment Score: 0.31			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		6	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		6	4.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peroxiredoxin, C-terminal</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">peroxidase</a>	RT		3	6.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peroxidase activity</a>	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">oxidoreductase activity, acting on peroxide as acceptor</a>	RT		3	6.4E-1	1.0E0
Annotation Cluster 17		Enrichment Score: 0.3			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif, RNP-1</a>	RT		10	4.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding, alpha-beta plait</a>	RT		10	6.6E-1	1.0E0
Annotation Cluster 18		Enrichment Score: 0.3			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		11	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		11	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		7	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		12	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		8	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT		8	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor, adaptin-like, N-terminal</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle membrane</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle</a>	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">COPII vesicle coat</a>	RT		3	8.1E-1	1.0E0
Annotation Cluster 19		Enrichment Score: 0.3			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		116	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		116	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		139	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		101	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		101	9.1E-1	1.0E0
Annotation Cluster 20		Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		21	4.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		13	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		16	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT		7	7.3E-1	1.0E0
Annotation Cluster 21		Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT		29	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT		21	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		18	5.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT		13	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT		10	5.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	RT		10	5.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908: serine/threonine-protein phosphatase, conventional type	RT		5	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT		12	7.8E-1	1.0E0
Annotation Cluster 22		Enrichment Score: 0.28			Count	P_Value	Benjamini

<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT		41	2.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT		61	3.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT		94	5.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT		94	5.3E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		43	5.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT		49	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT		44	6.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT		65	7.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		39	8.0E-1	1.0EO
Annotation Cluster 23					Enrichment Score: 0.27		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Terpenoid backbone biosynthesis</a>	RT		5	4.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		10	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid metabolic process</a>	RT		4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid biosynthetic process</a>	RT		4	6.7E-1	1.0EO
Annotation Cluster 24					Enrichment Score: 0.26		
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT		8	4.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT		8	4.8E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT		8	4.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_1</a>	RT		13	5.3E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT		10	5.6E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND_2</a>	RT		11	5.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT		10	8.3E-1	1.0EO
Annotation Cluster 25					Enrichment Score: 0.25		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		37	8.0E-2	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		27	2.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Anticodon-binding</a>	RT		4	4.4E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT		12	6.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II (G, H, P and S), conserved region</a>	RT		4	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT		14	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT		14	6.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT		6	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT		13	7.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT		14	7.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT		14	7.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT		14	7.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT		13	7.9E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT		30	8.4E-1	9.9E-1
Annotation Cluster 26					Enrichment Score: 0.24		
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, manganese/magnesium aspartate binding site</a>	RT		4	4.4E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein phosphatase</a>	RT		4	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine phosphatase activity</a>	RT		4	4.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT		5	5.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT		5	5.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT		5	5.1E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT		5	5.2E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT		5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein serine/threonine phosphatase complex</a>	RT		5	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		10	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		8	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		9	7.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT		7	8.1E-1	9.9E-1
Annotation Cluster 27					Enrichment Score: 0.23		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT		8	3.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal RNA methyltransferase RrmJ/FtsJ</a>	RT		4	4.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	RT		8	5.1E-1	1.0EO

<input type="checkbox"/>	Annotation	Enrichment Score	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA methylation</a>	RT	4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT	4	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT	8	9.3E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.23			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational elongation</a>	RT	6	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation elongation factor activity</a>	RT	6	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">elongation factor</a>	RT	5	6.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Protein synthesis factor, GTP-binding</a>	RT	5	8.0E-1	1.0E0
	Annotation Cluster 29	Enrichment Score: 0.22			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT	12	5.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT	12	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT	10	8.3E-1	1.0E0
	Annotation Cluster 30	Enrichment Score: 0.21			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type_core</a>	RT	16	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type_core</a>	RT	41	6.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT	41	7.0E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 0.2			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT	7	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT	9	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT	6	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT	6	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Arf GTPase activating protein</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ArfGap</a>	RT	3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF GTPase activity</a>	RT	3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ARF GTPase activator activity</a>	RT	3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT	4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT	5	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT	5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT	6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT	6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT	7	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT	7	7.4E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.19			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT	16	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT	44	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT	15	5.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT	19	5.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT	10	7.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT	17	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT	14	8.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT	8	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT	14	8.7E-1	1.0E0
	Annotation Cluster 33	Enrichment Score: 0.18			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Phox-like</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PX</a>	RT	4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoinositide binding</a>	RT	4	6.7E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.18			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, C-terminal</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT	5	5.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT	7	5.9E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT	4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT	3	9.0E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.18			Count	P_Value Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF006621:Dus	RT	3	5.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">tRNA-dihydrouridine synthase</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tRNA dihydrouridine synthase activity</a>	RT	3	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aldolase-type TIM barrel</a>	RT	6	6.9E-1	1.0E0

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 36	0.17	<a href="#">FAD binding</a>	RT	4	8.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Copine</a>	RT	4	6.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">von Willebrand factor, type A</a>	RT	5	6.7E-1	1.0EO
<input type="checkbox"/>	SMART Annotation Cluster 37	0.16	<a href="#">VWA</a>	RT	5	6.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT	5	6.7E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">Sm</a>	RT	5	6.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO Annotation Cluster 38	0.16	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT	7	7.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT	7	3.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein amino acid deacetylation</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT	4	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of biosynthetic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of transcription, DNA-dependent</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">chromatin silencing</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of cellular biosynthetic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of gene expression, epigenetic</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of RNA metabolic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">regulation of gene expression, epigenetic</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of transcription</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">NAD binding</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of macromolecule metabolic process</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">negative regulation of gene expression</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">gene silencing</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">regulation of transcription, DNA-dependent</a>	RT	6	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">regulation of RNA metabolic process</a>	RT	6	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 39	0.16	<a href="#">NAD or NADH binding</a>	RT	4	9.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Ankyrin</a>	RT	251	6.2E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">ANK</a>	RT	251	7.1E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS Annotation Cluster 40	0.16	<a href="#">ank repeat</a>	RT	174	7.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">lipid biosynthetic process</a>	RT	10	4.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">phosphotransferase activity, for other substituted phosphate groups</a>	RT	4	4.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">CDP-alcohol phosphatidyltransferase</a>	RT	3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">phospholipid metabolic process</a>	RT	8	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">phospholipid biosynthetic process</a>	RT	5	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">organophosphate metabolic process</a>	RT	8	7.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">phosphoinositide metabolic process</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">glycerophospholipid metabolic process</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">glycerolipid metabolic process</a>	RT	4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 41	0.15	<a href="#">inositol or phosphatidylinositol kinase activity</a>	RT	3	9.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular amino acid biosynthetic process</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">organic acid biosynthetic process</a>	RT	5	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">carboxylic acid biosynthetic process</a>	RT	5	6.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT Annotation Cluster 42	0.15	<a href="#">amine biosynthetic process</a>	RT	4	8.1E-1	1.0EO
<input type="checkbox"/>	COG_ONTOLOGY		<a href="#">Defense mechanisms</a>	RT	14	5.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">ABC transporter, conserved site</a>	RT	13	7.2E-1	1.0EO
<input type="checkbox"/>			<a href="#">ABC transporter-like</a>	RT	12	8.9E-1	1.0EO

<input type="checkbox"/>	INTERPRO	Annotation Cluster 43	Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">ADP-ribosylation factor</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">ARF</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY		PIRSF001711:ADP-ribosylation factor	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">ARF/SAR superfamily</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY		PIRSF001710:Ras-related protein Rab	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">intracellular signaling cascade</a>	RT		12	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">small GTPase mediated signal transduction</a>	RT		9	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Ras GTPase</a>	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Small GTP-binding protein</a>	RT		9	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Ras</a>	RT		5	9.8E-1	1.0E0
		Annotation Cluster 44	Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">DNA metabolic process</a>	RT		35	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">response to DNA damage stimulus</a>	RT		12	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">DNA repair</a>	RT		12	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular response to stress</a>	RT		12	8.0E-1	1.0E0
		Annotation Cluster 45	Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Multi antimicrobial extrusion protein MatE</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">multidrug transport</a>	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">drug transport</a>	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">response to drug</a>	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">drug transporter activity</a>	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Na+ driven multidrug efflux pump</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">antiporter activity</a>	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">transmembrane transport</a>	RT		11	9.0E-1	1.0E0
		Annotation Cluster 46	Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Kinesin motor region, conserved site</a>	RT		12	5.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">microtubule</a>	RT		20	5.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">motor protein</a>	RT		15	5.9E-1	9.9E-1
<input type="checkbox"/>	INTERPRO		<a href="#">Kinesin motor region</a>	RT		17	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">microtubule</a>	RT		20	6.3E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">K1Sc</a>	RT		17	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">microtubule-based movement</a>	RT		27	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">microtubule-based process</a>	RT		30	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">microtubule cytoskeleton</a>	RT		28	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoskeletal part</a>	RT		28	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">microtubule motor activity</a>	RT		22	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">motor activity</a>	RT		22	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">cytoskeleton</a>	RT		28	9.4E-1	1.0E0
		Annotation Cluster 47	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Aminotransferase, class I and II</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin binding</a>	RT		7	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">pyridoxal phosphate binding</a>	RT		6	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin B6 binding</a>	RT		6	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		4	9.0E-1	1.0E0
		Annotation Cluster 48	Enrichment Score: 0.12			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Amino acid transporter, transmembrane</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">membrane</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">transmembrane</a>	RT		15	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">integral to membrane</a>	RT		34	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">intrinsic to membrane</a>	RT		34	9.6E-1	1.0E0
		Annotation Cluster 49	Enrichment Score: 0.11			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">Myb, DNA-binding</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Myb transcription factor</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Myb-type HTH DNA-binding domain</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">SANT, DNA-binding</a>	RT		6	8.0E-1	1.0E0



<input type="checkbox"/>	SMART	<a href="#">SANT</a>	<a href="#">RT</a>		Count	P_Value	Benjamini
	Annotation Cluster 50	Enrichment Score: 0.1					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tetrapyrrole binding</a>	<a href="#">RT</a>		5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heme binding</a>	<a href="#">RT</a>		5	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5</a>	<a href="#">RT</a>		3	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heme</a>	<a href="#">RT</a>		3	9.0E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.1					
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase), related</a>	<a href="#">RT</a>		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)</a>	<a href="#">RT</a>		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA-dependent DNA replication</a>	<a href="#">RT</a>		5	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	<a href="#">RT</a>		29	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	<a href="#">RT</a>		19	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	<a href="#">RT</a>		12	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	<a href="#">RT</a>		15	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	<a href="#">RT</a>		12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	<a href="#">RT</a>		16	9.8E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.09					
<input type="checkbox"/>	INTERPRO	<a href="#">Spc97/Spc98</a>	<a href="#">RT</a>		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule organizing center</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle pole</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule cytoskeleton organization</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.09					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside metabolic process</a>	<a href="#">RT</a>		8	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside metabolic process</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside metabolic process</a>	<a href="#">RT</a>		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside metabolic process</a>	<a href="#">RT</a>		4	8.9E-1	1.0E0
	Annotation Cluster 54	Enrichment Score: 0.09					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	<a href="#">RT</a>		11	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	<a href="#">RT</a>		23	7.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	<a href="#">RT</a>		9	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	<a href="#">RT</a>		26	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	<a href="#">RT</a>		26	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	<a href="#">RT</a>		26	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	<a href="#">RT</a>		9	9.7E-1	1.0E0
	Annotation Cluster 55	Enrichment Score: 0.09					
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ub1 conjugation pathway</a>	<a href="#">RT</a>		8	7.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	<a href="#">RT</a>		8	7.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	<a href="#">RT</a>		4	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	<a href="#">RT</a>		7	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	<a href="#">RT</a>		7	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	<a href="#">RT</a>		7	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	<a href="#">RT</a>		17	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	<a href="#">RT</a>		14	9.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ubiquitin mediated proteolysis</a>	<a href="#">RT</a>		5	9.3E-1	1.0E0
	Annotation Cluster 56	Enrichment Score: 0.08					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	<a href="#">RT</a>		18	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	<a href="#">RT</a>		23	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ub1 conjugation pathway</a>	<a href="#">RT</a>		8	7.3E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	<a href="#">RT</a>		15	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	<a href="#">RT</a>		22	7.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	<a href="#">RT</a>		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	<a href="#">RT</a>		15	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	<a href="#">RT</a>		15	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	<a href="#">RT</a>		19	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	<a href="#">RT</a>		49	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	<a href="#">RT</a>		18	8.6E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT				18	8.6E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT				7	8.8E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT				4	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT				11	9.0E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT				7	9.2E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT				10	9.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT				7	9.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT				7	9.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT				7	9.4E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT				7	9.4E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT				3	9.5E-1	1.0EO	
	Annotation Cluster 57	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT				11	6.2E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT				5	8.0E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT				5	8.0E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin, conserved site</a>	RT				5	8.0E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT				5	8.1E-1	1.0EO	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306: tubulin	RT				4	8.6E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT				4	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT				6	8.9E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Beta tubulin, autoregulation binding site</a>	RT				3	9.5E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT				6	9.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT				6	9.6E-1	1.0EO	
	Annotation Cluster 58	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT				21	7.0E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT				17	7.7E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT				15	8.1E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT				15	8.1E-1	1.0EO	
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT				15	8.2E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT				13	8.7E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT				16	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT				43	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT				35	9.6E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT				23	9.6E-1	1.0EO	
	Annotation Cluster 59	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyruvate metabolic process</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gluconeogenesis</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide biosynthetic process</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose biosynthetic process</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT				4	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT				4	8.9E-1	1.0EO	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT				3	9.1E-1	1.0EO	
	Annotation Cluster 60	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carbon-nitrogen lyase activity</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ammonia-lyase activity</a>	RT				3	8.1E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">lyase</a>	RT				9	9.2E-1	1.0EO	
	Annotation Cluster 61	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed DNA polymerase activity</a>	RT				7	6.1E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B</a>	RT				3	9.0E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed dna polymerase</a>	RT				3	9.0E-1	1.0EO	
<input type="checkbox"/>	SMART	<a href="#">POLBc</a>	RT				3	9.0E-1	1.0EO	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT				4	9.8E-1	1.0EO	
	Annotation Cluster 62	Enrichment Score: 0.07					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT				12	7.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT				12	7.3E-1	1.0EO	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron, 4 sulfur cluster binding</a>	RT				5	8.1E-1	1.0EO	
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT				4	9.7E-1	1.0EO	

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT	4	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT	3	9.8E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.07					
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein amino acid dephosphorylation</a>	RT	8	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Protein-tyrosine phosphatase, active site</a>	RT	4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Dual-specific/protein-tyrosine phosphatase, conserved region</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Protein-tyrosine phosphatase</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">protein tyrosine phosphatase activity</a>	RT	3	9.8E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.07					
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein amino acid dephosphorylation</a>	RT	8	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Dual specificity phosphatase, catalytic domain</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Protein-tyrosine phosphatase, dual specificity</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">protein tyrosine/serine/threonine phosphatase activity</a>	RT	3	9.1E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.06					
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, conserved site</a>	RT	19	4.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">wd repeat</a>	RT	25	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat 2</a>	RT	21	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, region</a>	RT	23	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, subgroup</a>	RT	27	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat</a>	RT	36	9.8E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">WD40</a>	RT	36	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">WD40/YVTN repeat-like</a>	RT	34	9.9E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.05					
<input type="checkbox"/>	INTERPRO		<a href="#">AMP-dependent synthetase and ligase</a>	RT	4	8.9E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY		<a href="#">Lipid metabolism</a>	RT	7	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">fatty-acid ligase activity</a>	RT	3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT	3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT	3	9.1E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.04					
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">nuclear envelope</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">pore complex</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">nuclear pore</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">envelope</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">organelle envelope</a>	RT	3	9.0E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.04					
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">organelle lumen</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">intracellular organelle lumen</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">nuclear lumen</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">membrane-enclosed lumen</a>	RT	3	9.0E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.04					
<input type="checkbox"/>	KEGG_PATHWAY		<a href="#">Nucleotide excision repair</a>	RT	8	8.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY		<a href="#">Mismatch repair</a>	RT	6	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY		<a href="#">DNA replication</a>	RT	9	9.6E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.03					
<input type="checkbox"/>	INTERPRO		<a href="#">Kelch-type beta propeller</a>	RT	4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Kelch repeat type 1</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">Kelch</a>	RT	3	9.5E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.02					
<input type="checkbox"/>	INTERPRO		<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">DnaJ</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">heat shock protein binding</a>	RT	4	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO		<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT	3	9.8E-1	1.0E0
	Annotation Cluster 72	Enrichment Score: 0.02					
<input type="checkbox"/>	INTERPRO		<a href="#">DNA-dependent ATPase MCM</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART		<a href="#">MCM</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY		<a href="#">DNA replication</a>	RT	9	9.6E-1	1.0E0
	Annotation Cluster 73	Enrichment Score: 0.02					
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acyltransferase activity</a>	RT	5	9.4E-1	1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT			5	9.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT			4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT			4	9.7E-1	1.0E0	
	Annotation Cluster 74	Enrichment Score: 0.02				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT			12	9.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT			10	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT			10	9.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT			3	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT			5	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT			12	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT			6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT			6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT			6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT			6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT			6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT			6	9.8E-1	1.0E0	
	Annotation Cluster 75	Enrichment Score: 0.01				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT			4	8.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT			11	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	RT			3	9.0E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT			6	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT			7	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT			9	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT			5	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT			6	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT			6	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT			6	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT			4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT			12	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT			11	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT			11	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT			7	9.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT			5	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT			3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT			5	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT			11	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT			11	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT			23	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT			4	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT			19	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT			19	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT			12	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT			12	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT			12	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT			12	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT			3	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT			8	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT			12	9.9E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		11	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		12	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		11	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		11	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		16	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		11	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		11	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		11	1.0EO	1.0EO
Annotation Cluster 76		Enrichment Score: 0.01					
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT		11	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT		11	9.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT		4	9.7E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT		11	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT		14	9.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT		8	9.9E-1	1.0EO
Annotation Cluster 77		Enrichment Score: 0.01					
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT		5	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT		5	9.8E-1	1.0EO
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Cytoskeleton</a>	RT		8	1.0EO	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT		5	1.0EO	1.0EO
Annotation Cluster 78		Enrichment Score: 0.01					
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT		4	9.7E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT		3	9.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		7	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		4	1.0EO	1.0EO
Annotation Cluster 79		Enrichment Score: 0					
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		3	9.9E-1	1.0EO

192 terms were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44 & Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

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Current Gene List: 3\_Random8

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

75 Cluster(s)

[Download File](#)

	Annotation Cluster 1	Enrichment Score: 0.74			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT		17	3.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT		13	6.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT		13	2.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF_hand</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT		13	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		27	4.5E-1	1.0E0
	Annotation Cluster 2	Enrichment Score: 0.67			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT		38	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT		35	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT		35	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT		36	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT		29	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT		29	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT		31	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	RT		19	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	RT		19	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT		21	3.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT		21	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT		16	4.0E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region_conserved site</a>	RT		12	5.0E-1	1.0E0
	Annotation Cluster 3	Enrichment Score: 0.51			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein biosynthetic process</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid lipidation</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein metabolic process</a>	RT		5	3.1E-1	1.0E0
	Annotation Cluster 4	Enrichment Score: 0.51			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT		11	4.7E-1	1.0E0
<input type="checkbox"/>	PIRSF001430:tRNA_psdUrid_synth		RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pseudouridine synthase I_TrUA</a>	RT		3	6.2E-1	1.0E0
	Annotation Cluster 5	Enrichment Score: 0.45			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT		10	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Rab GTPase activator activity</a>	RT		4	4.5E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT	Bar	Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Ras GTPase activator activity</a>	RT		4	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab protein signal transduction</a>	RT		4	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Rab GTPase activity</a>	RT		4	4.5E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">TBC</a>	RT		3	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">RabGAP/TBC</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT		4	6.6E-1	1.0E0	
Annotation Cluster 6					Enrichment Score: 0.39			Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT		9	2.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		17	3.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		21	3.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		11	7.6E-1	9.9E-1	
Annotation Cluster 7					Enrichment Score: 0.38			Count P_Value Benjamini
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT		5	3.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT		5	3.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT		8	3.3E-1	9.8E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		5	5.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT		4	8.0E-1	1.0E0	
Annotation Cluster 8					Enrichment Score: 0.38			Count P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		158	1.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	RT		54	1.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		58	1.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		199	1.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		66	2.2E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		162	2.6E-1	9.9E-1	
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		37	2.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		140	3.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		37	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		161	3.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		38	3.8E-1	9.5E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, core</a>	RT		158	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		159	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		170	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		175	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		175	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		301	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		301	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		304	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		304	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		305	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		325	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		325	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		349	8.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		328	8.7E-1	1.0E0	
Annotation Cluster 9					Enrichment Score: 0.37			Count P_Value Benjamini
<input type="checkbox"/>	SMART	<a href="#">SET</a>	RT		6	2.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">SET</a>	RT		6	2.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">PostSET</a>	RT		3	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Post-SET zinc-binding region</a>	RT		3	6.2E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">methyltransferase</a>	RT		10	9.5E-1	1.0E0	
Annotation Cluster 10					Enrichment Score: 0.36			Count P_Value Benjamini
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		111	3.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		142	3.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		111	3.6E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		109	6.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		109	6.8E-1	1.0E0	
Annotation Cluster 11					Enrichment Score: 0.36			Count P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT		13	2.1E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT		20	5.2E-1	1.0E0	

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EGF_extracellular</a>	RT		13	7.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 12	Enrichment Score: 0.36					
<input type="checkbox"/>	INTERPRO	<a href="#">Alcohol dehydrogenase_iron-type</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Energy production and conversion</a>	RT		7	4.6E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000113:iron-containing alcohol dehydrogenase	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 13	Enrichment Score: 0.33					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cofactor binding</a>	RT		24	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase_class I and II</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Alanine, aspartate and glutamate metabolism</a>	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 2</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT		3	9.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 14	Enrichment Score: 0.32					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle</a>	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule organizing center</a>	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle pole</a>	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Spc97/Spc98</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule cytoskeleton organization</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		9	8.3E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 15	Enrichment Score: 0.31					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		8	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		33	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		21	2.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, V0 domain</a>	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT		20	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		19	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		19	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		19	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		19	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		17	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		17	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		27	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		27	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		25	4.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">phosphoprotein</a>	RT		4	4.4E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		17	4.5E-1	1.0E0



<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		10	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		13	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		10	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		10	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		15	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		15	5.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001292: vacuolar H(+)-transporting ATPase 16K chain	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, C-terminal</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, VO complex, proteolipid subunit C</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, N-terminal</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, FO/VO complex, subunit C</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		13	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		9	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		10	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		11	6.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		8	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		17	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT		6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		15	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		15	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		16	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		16	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 16		Enrichment Score: 0.29			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT		10	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		17	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT		5	5.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT		14	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT		11	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT		11	8.4E-1	1.0E0
Annotation Cluster 17		Enrichment Score: 0.29			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		18	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		49	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		18	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		18	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		19	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		15	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		40	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		18	6.4E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO						
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		21	6.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		25	8.5E-1	1.0E0
	Annotation Cluster 18	Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosolic part</a>	RT		7	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">prefoldin complex</a>	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Prefoldin beta-like</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		13	6.4E-1	1.0E0
	Annotation Cluster 19	Enrichment Score: 0.28			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cytochrome b5_heme-binding site</a>	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heme</a>	RT		4	6.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heme binding</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">tetrapyrrole binding</a>	RT		5	6.8E-1	1.0E0
	Annotation Cluster 20	Enrichment Score: 0.27			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		18	3.7E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		19	4.8E-1	9.6E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		37	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		37	6.8E-1	1.0E0
	Annotation Cluster 21	Enrichment Score: 0.26			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase_P-type_ATPase-associated region</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase_P-type phosphorylation site</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase_P-type_K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity_coupled to transmembrane movement of ions_phosphorylative mechanism</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase_P-type_phospholipid-translocating_flippase</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT		8	8.8E-1	1.0E0
	Annotation Cluster 22	Enrichment Score: 0.26			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_DEAD/DEAH box type_N-terminal</a>	RT		20	3.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT		28	3.8E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT		24	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT		24	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT		56	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity_coupled</a>	RT		42	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase_DEAD-box type_Q motif</a>	RT		11	5.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT		26	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT		32	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase_C-terminal</a>	RT		26	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase_superfamily 1 and 2_ATP-binding</a>	RT		25	6.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT		24	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase_N-terminal</a>	RT		24	7.9E-1	1.0E0
	Annotation Cluster 23	Enrichment Score: 0.25			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		10	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		13	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin_conserved site</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		12	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		13	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		14	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin_core</a>	RT		5	6.8E-1	1.0E0

<input type="checkbox"/>	Source	Term	RT	Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT	4	8.9E-1	1.0E0
Annotation Cluster 24						
		Enrichment Score: 0.25			Count	P-Value Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT	10	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT	8	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT	8	6.2E-1	1.0E0
Annotation Cluster 25						
		Enrichment Score: 0.24			Count	P-Value Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT	11	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT	4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT	4	6.2E-1	1.0E0
Annotation Cluster 26						
		Enrichment Score: 0.24			Count	P-Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT	19	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT	22	2.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT	10	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT	10	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT	55	3.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT	9	3.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT	9	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT	9	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT	17	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT	17	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT	24	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT	21	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT	23	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT	20	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT	20	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT	17	6.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT	4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT	8	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT	7	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT	4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT	7	9.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT	14	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT	10	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT	7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT	7	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT	7	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT	10	9.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212:multicatalytic endopeptidase complex chain C9	RT	3	9.5E-1	1.0E0
Annotation Cluster 27						
		Enrichment Score: 0.23			Count	P-Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved site</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved region2</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT	7	5.8E-1	9.8E-1
<input type="checkbox"/>	SMART	<a href="#">POLBc</a>	RT	4	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed dna polymerase</a>	RT	4	6.5E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed DNA polymerase activity</a>	RT	6	8.1E-1	1.0E0
Annotation Cluster 28						
		Enrichment Score: 0.22			Count	P-Value Benjamini
<input type="checkbox"/>	SMART	<a href="#">ARF</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ADP-ribosylation factor</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT	4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT	10	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ARF/SAR superfamily</a>	RT	5	6.8E-1	1.0E0

<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Small GTP-binding protein</a>	<b>RT</b>					11	8.4E-1	1.0EO
	Annotation Cluster 29	Enrichment Score: 0.22						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">regulation of transcription</a>	<b>RT</b>					21	3.1E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">nucleoplasm part</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">nucleoplasm</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">transcription factor complex</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">intracellular organelle lumen</a>	<b>RT</b>					4	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">nuclear lumen</a>	<b>RT</b>					4	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">membrane-enclosed lumen</a>	<b>RT</b>					4	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">organelle lumen</a>	<b>RT</b>					4	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">regulation of transcription, DNA-dependent</a>	<b>RT</b>					7	8.1E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">regulation of RNA metabolic process</a>	<b>RT</b>					7	8.1E-1	1.0EO
	Annotation Cluster 30	Enrichment Score: 0.21						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">organelle membrane</a>	<b>RT</b>					8	4.3E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">endoplasmic reticulum membrane</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">endoplasmic reticulum part</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">nuclear envelope-endoplasmic reticulum network</a>	<b>RT</b>					3	6.0E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">endoplasmic reticulum</a>	<b>RT</b>					3	9.4E-1	1.0EO
	Annotation Cluster 31	Enrichment Score: 0.21						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">ribonucleoprotein complex</a>	<b>RT</b>					58	4.4E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">intracellular non-membrane-bounded organelle</a>	<b>RT</b>					90	5.5E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">non-membrane-bounded organelle</a>	<b>RT</b>					90	5.5E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_CC_FAT</b>	<a href="#">ribosome</a>	<b>RT</b>					43	5.8E-1	1.0EO
<input type="checkbox"/>	<b>SP_PIR_KEYWORDS</b>	<a href="#">ribosomal protein</a>	<b>RT</b>					42	6.1E-1	9.8E-1
<input type="checkbox"/>	<b>KEGG_PATHWAY</b>	<a href="#">Ribosome</a>	<b>RT</b>					39	6.5E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">translation</a>	<b>RT</b>					64	7.3E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">structural molecule activity</a>	<b>RT</b>					47	7.5E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">structural constituent of ribosome</a>	<b>RT</b>					38	8.3E-1	1.0EO
	Annotation Cluster 32	Enrichment Score: 0.19						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>PIR_SUPERFAMILY</b>	PIRSF005902: DNase_TatD	<b>RT</b>					3	6.1E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Deoxyribonuclease, TatD Mg-dependent</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Deoxyribonuclease, TatD-related</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Deoxyribonuclease, TatD</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">endodeoxyribonuclease activity, producing 5'-phosphomonoesters</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">deoxyribonuclease activity</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">endodeoxyribonuclease activity</a>	<b>RT</b>					3	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters</a>	<b>RT</b>					4	8.9E-1	1.0EO
	Annotation Cluster 33	Enrichment Score: 0.18						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	<b>RT</b>					7	4.4E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	<b>RT</b>					7	4.4E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">electron carrier activity</a>	<b>RT</b>					14	6.6E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	<b>RT</b>					5	6.8E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">metal cluster binding</a>	<b>RT</b>					11	8.4E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">iron-sulfur cluster binding</a>	<b>RT</b>					11	8.4E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_MF_FAT</b>	<a href="#">4 iron, 4 sulfur cluster binding</a>	<b>RT</b>					4	9.4E-1	1.0EO
	Annotation Cluster 34	Enrichment Score: 0.16						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>SMART</b>	<a href="#">Sm</a>	<b>RT</b>					5	6.6E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	<b>RT</b>					5	6.8E-1	1.0EO
<input type="checkbox"/>	<b>INTERPRO</b>	<a href="#">Like-Sm ribonucleoprotein, core</a>	<b>RT</b>					7	7.1E-1	1.0EO
	Annotation Cluster 35	Enrichment Score: 0.16						Count	P_Value	Benjamini
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">phospholipid biosynthetic process</a>	<b>RT</b>					6	3.9E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">organophosphate metabolic process</a>	<b>RT</b>					9	5.3E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">phospholipid metabolic process</a>	<b>RT</b>					8	6.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">lipid biosynthetic process</a>	<b>RT</b>					8	8.2E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">glycerolipid metabolic process</a>	<b>RT</b>					4	8.9E-1	1.0EO
<input type="checkbox"/>	<b>GOTERM_BP_FAT</b>	<a href="#">glycerophospholipid metabolic process</a>	<b>RT</b>					4	8.9E-1	1.0EO

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT Annotation Cluster 36	0.16	<a href="#">phosphoinositide metabolic process</a>	RT		4	8.9E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">ANK</a>	RT		250	5.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Ankyrin</a>	RT		250	6.7E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS Annotation Cluster 37	0.16	<a href="#">ank repeat</a>	RT		170	8.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO		<a href="#">Adenylate kinase</a>	RT		3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">adenylate kinase activity</a>	RT		3	6.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">nucleotide kinase activity</a>	RT		4	6.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">phosphotransferase activity, phosphate group as acceptor</a>	RT		5	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 38	0.15	<a href="#">nucleobase, nucleoside, nucleotide kinase activity</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, conserved site</a>	RT		18	5.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">wd repeat</a>	RT		29	6.0E-1	9.8E-1
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, subgroup</a>	RT		33	6.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat 2</a>	RT		25	6.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat, region</a>	RT		27	7.1E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">WD40</a>	RT		40	8.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">WD40 repeat</a>	RT		40	8.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO Annotation Cluster 39	0.14	<a href="#">WD40/YVTN repeat-like</a>	RT		38	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">amine biosynthetic process</a>	RT		5	5.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular amino acid biosynthetic process</a>	RT		4	6.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">organic acid biosynthetic process</a>	RT		4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT Annotation Cluster 40	0.13	<a href="#">carboxylic acid biosynthetic process</a>	RT		4	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">thiolester hydrolase activity</a>	RT		6	5.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2</a>	RT		4	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">ubiquitin thiolesterase activity</a>	RT		4	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT Annotation Cluster 41	0.13	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		8	8.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">unfolded protein binding</a>	RT		13	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein folding</a>	RT		17	7.8E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS Annotation Cluster 42	0.13	<a href="#">Chaperone</a>	RT		7	8.0E-1	9.9E-1
<input type="checkbox"/>	SMART		<a href="#">VWA</a>	RT		5	6.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">von Willebrand factor, type A</a>	RT		5	6.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO Annotation Cluster 43	0.12	<a href="#">Copine</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">Acyltransferase</a>	RT		8	4.7E-1	9.6E-1
<input type="checkbox"/>	INTERPRO		<a href="#">Acyl-CoA N-acyltransferase</a>	RT		6	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">N-acyltransferase activity</a>	RT		6	8.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">acetyltransferase activity</a>	RT		6	8.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">GCN5-related N-acetyltransferase</a>	RT		5	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 44	0.12	<a href="#">N-acetyltransferase activity</a>	RT		5	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">EGF-like, type 3</a>	RT		20	5.2E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">EGF_Lam</a>	RT		13	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO Annotation Cluster 45	0.12	<a href="#">EGF-like, laminin</a>	RT		13	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT		5	6.8E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">DnaJ</a>	RT		5	7.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT		5	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT Annotation Cluster 46	0.11	<a href="#">heat shock protein binding</a>	RT		5	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">translational elongation</a>	RT		5	6.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">translation elongation factor activity</a>	RT		5	8.0E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS		<a href="#">elongation factor</a>	RT		4	8.8E-1	9.9E-1

		Enrichment Score: 0.1			Count	P_Value	Benjamini
Annotation Cluster 47							
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306:tubulin	<a href="#">RT</a>		5	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ_2-layer sandwich domain</a>	<a href="#">RT</a>		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	<a href="#">RT</a>		8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	<a href="#">RT</a>		8	7.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Beta tubulin autoregulation binding site</a>	<a href="#">RT</a>		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ_GTPase domain</a>	<a href="#">RT</a>		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin conserved site</a>	<a href="#">RT</a>		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	<a href="#">RT</a>		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	<a href="#">RT</a>		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	<a href="#">RT</a>		15	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	<a href="#">RT</a>		14	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	<a href="#">RT</a>		6	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	<a href="#">RT</a>		9	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	<a href="#">RT</a>		13	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	<a href="#">RT</a>		12	9.3E-1	1.0E0
Annotation Cluster 48							
		Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	<a href="#">RT</a>		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	<a href="#">RT</a>		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	<a href="#">RT</a>		4	8.9E-1	1.0E0
Annotation Cluster 49							
		Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)</a>	<a href="#">RT</a>		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA-dependent DNA replication</a>	<a href="#">RT</a>		5	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)_related</a>	<a href="#">RT</a>		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	<a href="#">RT</a>		11	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	<a href="#">RT</a>		10	9.8E-1	1.0E0
Annotation Cluster 50							
		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	<a href="#">RT</a>		8	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif_RNP-1</a>	<a href="#">RT</a>		8	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding_alpha-beta_plait</a>	<a href="#">RT</a>		8	9.2E-1	1.0E0
Annotation Cluster 51							
		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	<a href="#">RT</a>		13	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	<a href="#">RT</a>		10	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	<a href="#">RT</a>		22	8.0E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	<a href="#">RT</a>		11	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	<a href="#">RT</a>		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	<a href="#">RT</a>		9	8.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	<a href="#">RT</a>		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	<a href="#">RT</a>		24	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	<a href="#">RT</a>		24	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	<a href="#">RT</a>		24	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	<a href="#">RT</a>		5	9.8E-1	1.0E0
Annotation Cluster 52							
		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	<a href="#">RT</a>		12	7.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	<a href="#">RT</a>		8	9.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	<a href="#">RT</a>		7	9.2E-1	1.0E0
Annotation Cluster 53							
		Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	<a href="#">RT</a>		12	6.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	<a href="#">RT</a>		18	7.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	<a href="#">RT</a>		8	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	<a href="#">RT</a>		8	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	<a href="#">RT</a>		11	8.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908:serine/threonine-protein phosphatase, conventional type	<a href="#">RT</a>		4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	<a href="#">RT</a>		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	<a href="#">RT</a>		18	1.0E0	1.0E0
Annotation Cluster 54							
		Enrichment Score: 0.06			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	<a href="#">RT</a>		8	4.3E-1	1.0E0

<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor, adaptin-like, N-terminal</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		3	1.0E0	1.0E0
	Annotation Cluster 55	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		18	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		18	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		18	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		14	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		14	9.5E-1	1.0E0
	Annotation Cluster 56	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT		146	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT		146	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT		144	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT		54	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT		45	8.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT		101	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT		17	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT		80	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT		30	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT		33	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT		33	9.7E-1	1.0E0
	Annotation Cluster 57	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT		14	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT		36	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type, core</a>	RT		36	9.5E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class I, conserved site</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT		31	7.4E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT		6	8.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT		11	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxvgen bonds</a>	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT		10	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Rossmann-like alpha/beta/alpha sandwich fold</a>	RT		9	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT		11	9.5E-1	1.0E0

<input type="checkbox"/>	Term	Definition	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		19	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		24	9.9E-1	1.0E0
	Annotation Cluster 59	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin biosynthetic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin biosynthetic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">water-soluble vitamin metabolic process</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vitamin metabolic process</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		7	8.0E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		9	9.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone_tailless_complex_polypeptide_1</a>	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1_conserved_site</a>	RT		4	9.7E-1	1.0E0
	Annotation Cluster 61	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">UBQ</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT		5	9.8E-1	1.0E0
	Annotation Cluster 62	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT		12	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter_conserved_site</a>	RT		11	9.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT		11	9.4E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.03			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		9	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		19	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		11	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		12	9.8E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.03			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT		10	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT		12	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT		15	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT		11	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT		11	9.7E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.03			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		4	9.4E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT		10	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT		10	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		13	9.8E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside_nucleotide and nucleic acid catabolic process</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside and nucleotide catabolic process</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.02			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		6	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pyridine nucleotide metabolic process</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidoreduction coenzyme metabolic process</a>	RT		3	9.5E-1	1.0E0



<input type="checkbox"/>	Annotation	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		3	9.8E-1	1.0E0
Annotation Cluster 69					Enrichment Score: 0.01		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT		23	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT		8	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		19	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		13	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		24	9.9E-1	1.0E0
Annotation Cluster 70					Enrichment Score: 0.01		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT		14	8.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT		15	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT		7	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT		4	1.0E0	1.0E0
Annotation Cluster 71					Enrichment Score: 0.01		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT		17	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT		11	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT		10	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT		15	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT		23	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT		12	9.9E-1	1.0E0
Annotation Cluster 72					Enrichment Score: 0.01		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT		6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	RT		6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	RT		4	1.0E0	1.0E0
Annotation Cluster 73					Enrichment Score: 0		
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT		7	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT		6	1.0E0	1.0E0
Annotation Cluster 74					Enrichment Score: 0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		4	1.0E0	1.0E0
Annotation Cluster 75					Enrichment Score: 0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT		7	1.0E0	1.0E0

236 terms were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44 & Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.





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## Functional Annotation Clustering

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Current Gene List: 3\_Random9

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

### 79 Cluster(s)

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	Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
<input type="checkbox"/>	Annotation Cluster 1	0.85					
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT		24	8.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_laminin</a>	RT		19	1.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT		19	1.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 2	0.81					
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT		20	7.8E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT		25	1.0E-1	9.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT		15	1.4E-1	9.1E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT		18	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT		19	1.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT		25	1.6E-1	8.7E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT		17	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT		46	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT		46	2.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT		11	2.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 3	0.78					
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT		151	5.1E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT		119	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT		119	1.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT		113	2.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT		113	3.1E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 4	0.75					
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT		16	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT		15	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT		15	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	RT		38	2.4E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 5	0.69					
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like_type 3</a>	RT		24	8.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF</a>	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF_extracellular</a>	RT		16	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT		12	4.6E-1	9.9E-1
<input type="checkbox"/>	Annotation Cluster 6	0.67					
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT		49	2.5E-2	9.6E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT		60	8.9E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT		90	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT		90	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT		45	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT		52	3.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT		46	4.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT		43	6.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT		63	7.1E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 7	0.62					
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		326	5.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		322	7.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		322	7.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		317	9.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		317	9.0E-2	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		369	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		347	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		342	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		342	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		157	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		167	4.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		200	4.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		175	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		175	4.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		137	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		157	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase_core</a>	RT		155	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		155	5.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		61	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		162	6.1E-1	9.9E-1
	Annotation Cluster 8	Enrichment Score: 0.56			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT		19	7.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT		17	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT		17	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT		21	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tpr repeat</a>	RT		6	7.4E-1	9.9E-1
	Annotation Cluster 9	Enrichment Score: 0.49			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_subgroup</a>	RT		37	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_2</a>	RT		29	2.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_region</a>	RT		31	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT		47	2.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT		47	3.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT		45	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT		32	4.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat_conserved site</a>	RT		17	7.1E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 0.47			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT		7	2.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT		7	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase, FKBP-type</a>	RT		5	5.1E-1	1.0E0
	Annotation Cluster 11	Enrichment Score: 0.46			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">homeostatic process</a>	RT		15	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular homeostasis</a>	RT		14	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell redox homeostasis</a>	RT		13	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin fold</a>	RT		15	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin_core</a>	RT		5	6.8E-1	1.0E0
	Annotation Cluster 12	Enrichment Score: 0.45			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		262	2.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		262	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		182	6.9E-1	9.9E-1
	Annotation Cluster 13	Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT		13	2.3E-1	9.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT		15	4.7E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT		10	5.9E-1	9.8E-1
	Annotation Cluster 14	Enrichment Score: 0.36			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosolic part</a>	RT		7	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">prefoldin complex</a>	RT		5	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Prefoldin alpha-like</a>	RT		3	6.2E-1	1.0E0
	Annotation Cluster 15	Enrichment Score: 0.35			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT		21	5.8E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT		14	2.8E-1	1.0E0

<input type="checkbox"/>					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT		10	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_alpha-subunit_conserved_site</a>	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		10	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT		10	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT		10	4.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT		14	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_subunit_alpha/beta</a>	RT		10	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT		21	5.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome_alpha_and_beta_subunits</a>	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT		19	5.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT		20	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT		20	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		16	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		16	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT		22	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		21	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT		4	8.3E-1	9.9E-1
	Annotation Cluster 16		Enrichment Score: 0.34				Count P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		30	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		20	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase_cysteine_peptidase_active_site</a>	RT		20	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A_papain</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A_papain C-terminal</a>	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		18	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		16	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		51	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity acting on L-amino acid peptides</a>	RT		40	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		46	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thiol protease</a>	RT		7	6.4E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		22	6.7E-1	9.8E-1
	Annotation Cluster 17		Enrichment Score: 0.31				Count P_Value Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT		11	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity forming carbon-sulfur bonds</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty-acid ligase activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain-fatty-acid-CoA ligase activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT		5	6.8E-1	1.0E0
	Annotation Cluster 18		Enrichment Score: 0.31				Count P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Amino acid transporter_transmembrane</a>	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		37	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		37	4.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		19	6.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		17	6.3E-1	9.9E-1
	Annotation Cluster 19		Enrichment Score: 0.3				Count P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT		14	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT		15	2.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone 1-complex-type	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone_tailless_complex_polypeptide_1</a>	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1_conserved_site</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT		7	8.5E-1	9.9E-1
	Annotation Cluster 20		Enrichment Score: 0.3				Count P_Value Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Nucleotide transport and metabolism</a>	RT		7	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide catabolic process</a>	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside and nucleotide catabolic process</a>	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT		5	4.9E-1	1.0E0

<input type="checkbox"/>	Annotation	Enrichment Score	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid catabolic process</a>	5	4.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:Pesterase_C1039	3	6.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:phosphoesterase, C1039.02 type	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">5'-Nucleotidase and apyrase</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Predicted phosphoesterase, C1039.02 type</a>	3	6.2E-1	1.0E0
Annotation Cluster 21		Enrichment Score: 0.29			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	41	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	43	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RING</a>	43	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	23	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	51	6.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	148	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	148	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	146	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	59	7.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	85	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	105	7.9E-1	1.0E0
Annotation Cluster 22		Enrichment Score: 0.29			
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	28	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	58	3.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	28	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	34	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	27	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	42	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	27	5.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	27	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	23	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	23	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	18	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	26	7.4E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	8	9.5E-1	1.0E0
Annotation Cluster 23		Enrichment Score: 0.27			
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	16	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	28	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	10	5.6E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	10	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	19	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	12	7.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	15	8.6E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908:serine/threonine-protein phosphatase, conventional type	4	9.4E-1	1.0E0
Annotation Cluster 24		Enrichment Score: 0.27			
<input type="checkbox"/>	INTERPRO	<a href="#">Aminotransferase, class I and II</a>	5	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin B6 binding</a>	8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pyridoxal phosphate binding</a>	8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">vitamin binding</a>	8	4.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	6	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 2</a>	3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transferase activity, transferring nitrogenous groups</a>	5	6.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Alanine, aspartate and glutamate metabolism</a>	3	6.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transaminase activity</a>	3	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	3	9.2E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 0.26			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	16	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	17	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	8	4.6E-1	1.0E0

<input type="checkbox"/>	Term	GO Term	RT	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT	13	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT	13	5.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT	5	5.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT	9	6.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Glycolysis / Gluconeogenesis</a>	RT	3	9.9E-1	1.0E0
Annotation Cluster 26		Enrichment Score: 0.26		Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	RT	7	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleoside binding</a>	RT	4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb2, domain 3</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase, beta subunit, protrusion</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase, beta subunit, conserved site</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed RNA polymerase, subunit 2, domain 6</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">RNA polymerase Rpb2, domain 7</a>	RT	3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed RNA polymerase, subunit 2</a>	RT	3	6.2E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 0.24		Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region, conserved site</a>	RT	14	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT	19	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT	29	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT	29	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT	25	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT	25	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin, motor region</a>	RT	17	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">KISc</a>	RT	17	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT	29	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT	15	6.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT	27	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT	19	7.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT	30	7.6E-1	1.0E0
Annotation Cluster 28		Enrichment Score: 0.24		Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved region2</a>	RT	4	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B, conserved site</a>	RT	4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed DNA polymerase activity</a>	RT	7	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT	7	6.4E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-directed DNA polymerase, family B</a>	RT	4	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">POLBc</a>	RT	4	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed dna polymerase</a>	RT	4	6.9E-1	9.8E-1
Annotation Cluster 29		Enrichment Score: 0.22		Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT	9	1.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT	5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, C-terminal</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT	3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT	3	9.1E-1	1.0E0
Annotation Cluster 30		Enrichment Score: 0.22		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT	8	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum part</a>	RT	3	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope-endoplasmic reticulum network</a>	RT	3	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum membrane</a>	RT	3	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT	8	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endoplasmic reticulum</a>	RT	3	9.2E-1	1.0E0
Annotation Cluster 31		Enrichment Score: 0.22		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT	11	3.5E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating, flippase</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		7	8.1E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.21			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Haloacid dehalogenase-like hydrolase</a>	RT		7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoglycolate phosphatase activity</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">HAD-superfamily hydrolase, subfamily IA, variant 1</a>	RT		3	6.2E-1	1.0E0
	Annotation Cluster 33	Enrichment Score: 0.2			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		10	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid biosynthetic process</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid metabolic process</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Terpenoid backbone biosynthesis</a>	RT		3	9.7E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.2			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleobase, nucleoside, nucleotide kinase activity</a>	RT		7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide kinase activity</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity, phosphate group as acceptor</a>	RT		5	6.7E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.2			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT		6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		10	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT		9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT		8	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Inositol phosphate metabolism</a>	RT		3	9.4E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 0.18			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">antioxidant activity</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alkyl hydroperoxide reductase/ Thiol specific antioxidant/ Mal allergen</a>	RT		4	8.0E-1	1.0E0
	Annotation Cluster 37	Enrichment Score: 0.17			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase associated with various cellular activities, AAA-5</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">coiled coil</a>	RT		3	8.3E-1	9.9E-1
	Annotation Cluster 38	Enrichment Score: 0.15			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-dependent ATPase activity</a>	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA helicase activity</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent DNA helicase activity</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 0.15			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule associated complex</a>	RT		9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">dynein complex</a>	RT		7	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain, N-terminal region 2</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dynein heavy chain</a>	RT		7	8.1E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 0.15			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle</a>	RT		6	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle phase</a>	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cell cycle process</a>	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">M phase</a>	RT		4	7.8E-1	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.15			Count	P_Value	Benjamini



<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">electron carrier activity</a>	RT		16	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT		6	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">4 iron, 4 sulfur cluster binding</a>	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron-sulfur cluster binding</a>	RT		10	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal cluster binding</a>	RT		10	9.2E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.15			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase regulator activity</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">kinase regulator activity</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT		3	8.0E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.14			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT		3	8.9E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002165:ribosomal protein, L7Ab/L7Aa/L7Ae/L8e types/H/ACA ribonucleoprotein complex, NHP2 subunit	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">High mobility group-like nuclear protein</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal protein L7A/RS6 family</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal protein L7Ae/L30e/S12e/Gadd45</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT		13	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT		11	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		24	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT		9	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Efh</a>	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT		8	9.1E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like</a>	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin, conserved site</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin domain</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Thioredoxin-like subdomain</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein serine/threonine kinase activity</a>	RT		61	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase, active site</a>	RT		52	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, ATP binding site</a>	RT		46	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase</a>	RT		32	8.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">S_TKc</a>	RT		32	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	RT		34	8.8E-1	9.9E-1
	Annotation Cluster 48	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Pumilio RNA-binding region</a>	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pumilio</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Armadillo-like helical</a>	RT		10	9.5E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.13			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">von Willebrand factor, type A</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">VWA</a>	RT		5	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Copine</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 50	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid biosynthetic process</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amine biosynthetic process</a>	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organic acid biosynthetic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carboxylic acid biosynthetic process</a>	RT		4	8.8E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		17	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		13	5.3E-1	1.0E0

<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		14	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		14	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		5	7.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		9	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		9	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		16	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		16	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		17	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		17	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT		14	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT		14	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation-transporting ATPase activity</a>	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		10	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		15	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		15	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		15	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		15	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT		16	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		26	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		16	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT		15	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		20	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		8	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		7	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		21	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		21	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		10	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	Annotation Cluster 52	Enrichment Score: 0.1			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT		8	3.5E-1	1.0E0

<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT		4	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT		4	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle membrane</a>	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle</a>	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">COPII vesicle coat</a>	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		8	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT		4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		10	1.0E0	1.0E0
Annotation Cluster 53		Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		10	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		13	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		10	7.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		24	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		15	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		8	8.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		8	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		19	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		6	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		7	9.7E-1	1.0E0
Annotation Cluster 54		Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor biosynthetic process</a>	RT		6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cofactor metabolic process</a>	RT		7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme biosynthetic process</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">coenzyme metabolic process</a>	RT		5	9.2E-1	1.0E0
Annotation Cluster 55		Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-dependent ATPase MCM</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">MCM</a>	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid-binding, OB-fold</a>	RT		11	8.4E-1	1.0E0
Annotation Cluster 56		Enrichment Score: 0.09			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT		8	7.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		9	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT		23	8.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		11	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		11	8.7E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT				9	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT				25	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT				25	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT				25	9.0E-1	1.0E0
	Annotation Cluster 57	Enrichment Score: 0.09					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class I, conserved site</a>	RT				7	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Rossmann-like alpha/beta/alpha sandwich fold</a>	RT				12	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxygen bonds</a>	RT				13	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT				13	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT				13	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT				21	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT				12	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT				12	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT				27	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT				11	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT				12	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT				5	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT				10	9.9E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.07					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle lumen</a>	RT				3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular organelle lumen</a>	RT				3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-enclosed lumen</a>	RT				3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear lumen</a>	RT				3	8.5E-1	1.0E0
	Annotation Cluster 59	Enrichment Score: 0.07					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD or NADH binding</a>	RT				6	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT				7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT				7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT				5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT				17	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT				4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT				4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT				4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin silencing</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of cellular biosynthetic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of RNA metabolic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of biosynthetic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of gene expression, epigenetic</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression, epigenetic</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription, DNA-dependent</a>	RT				3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD binding</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT				3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid deacetylation</a>	RT				3	9.5E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.06					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Acyltransferase</a>	RT				7	7.6E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT				6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT				5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT				5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acyltransferase activity</a>	RT				5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT				5	9.3E-1	1.0E0
	Annotation Cluster 61	Enrichment Score: 0.06					Count	P_Value	Benjamini

<input type="checkbox"/>	Annotation Cluster	Enrichment Score: 0.05	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA processing</a>	RT		9	8.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		21	8.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT		24	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		15	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		27	8.9E-1	1.0EO
	Annotation Cluster 62	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT		7	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT		7	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT		15	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT		10	9.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT		10	9.1E-1	1.0EO
	Annotation Cluster 63	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid lipidation</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein metabolic process</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein biosynthetic process</a>	RT		3	8.9E-1	1.0EO
	Annotation Cluster 64	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mismatch repair</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structure-specific DNA binding</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">mismatched DNA binding</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">double-stranded DNA binding</a>	RT		3	9.0E-1	1.0EO
	Annotation Cluster 65	Enrichment Score: 0.05			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT		6	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT		4	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT		7	9.7E-1	1.0EO
	Annotation Cluster 66	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activity</a>	RT		9	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Translation elongation factor EFTu/EF1A, domain 2</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Protein synthesis factor, GTP-binding</a>	RT		4	9.4E-1	1.0EO
	Annotation Cluster 67	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT		4	8.0E-1	1.0EO
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ubiquitin mediated proteolysis</a>	RT		7	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT		7	8.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme, E2</a>	RT		6	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT		6	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT		16	9.3E-1	1.0EO
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT		6	9.3E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT		29	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT		13	9.5E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT		6	9.7E-1	1.0EO
	Annotation Cluster 68	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		15	8.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT		8	9.1E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		6	9.5E-1	1.0EO
	Annotation Cluster 69	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	RT		6	8.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT		5	9.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT		3	9.5E-1	1.0EO
	Annotation Cluster 70	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">RecF/RecN/SMC protein, N-terminal</a>	RT		4	8.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	RT		11	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT		8	9.8E-1	1.0EO
	Annotation Cluster 71	Enrichment Score: 0.04			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT		8	7.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT		6	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT		6	8.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT		4	9.6E-1	1.0EO

<input type="checkbox"/>	Term	Definition	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT	4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT	4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT	3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT	3	9.8E-1	1.0E0
Annotation Cluster 72						
		Enrichment Score: 0.03			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif, RNP-1</a>	RT	7	9.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT	7	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding, alpha-beta plait</a>	RT	7	9.7E-1	1.0E0
Annotation Cluster 73						
		Enrichment Score: 0.02			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">thiolester hydrolase activity</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin thiolesterase activity</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2</a>	RT	3	9.5E-1	1.0E0
Annotation Cluster 74						
		Enrichment Score: 0.02			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT	27	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT	17	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT	15	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT	15	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT	10	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT	10	9.9E-1	1.0E0
Annotation Cluster 75						
		Enrichment Score: 0.02			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C, N-terminal</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein phosphatase 2C-related</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2C_SIG</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Cc</a>	RT	3	9.5E-1	1.0E0
Annotation Cluster 76						
		Enrichment Score: 0.01			Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT	5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT	3	9.8E-1	1.0E0
Annotation Cluster 77						
		Enrichment Score: 0.01			Count	P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT	9	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT	11	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT	4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT	12	1.0E0	1.0E0
Annotation Cluster 78						
		Enrichment Score: 0.01			Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein polymerization</a>	RT	4	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin, conserved site</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306:tubulin	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tubulin/FtsZ, 2-layer sandwich domain</a>	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT	8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex biogenesis</a>	RT	5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein complex assembly</a>	RT	5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein complex assembly</a>	RT	4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT	5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	RT	5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT	9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT	8	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT	3	1.0E0	1.0E0

<input type="checkbox"/>								
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT			9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT			8	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT			3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	RT			3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT			3	1.0E0	1.0E0
	Annotation Cluster 79	Enrichment Score: 0				Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-like</a>	RT			7	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C2H2-type</a>	RT			7	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT			7	9.9E-1	1.0E0

201 terms were not clustered.

Please cite [Nature Protocols 2009; 4\(1\):44](#) & [Genome Biology 2003; 4\(5\):P3](#) within any publication that makes use of any methods inspired by DAVID.



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## Functional Annotation Clustering

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Current Gene List: 3\_Random10

Current Background: Giardia intestinalis

3000 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

83 Cluster(s)

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	Annotation Cluster 1	Enrichment Score: 1.03			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cytoskeleton organization</a>	RT		14	4.3E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">annexin</a>	RT		14	4.3E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium-dependent phospholipid binding</a>	RT		18	4.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin</a>	RT		14	5.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Alpha giardin</a>	RT		11	6.8E-2	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ANX</a>	RT		12	9.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Annexin repeat</a>	RT		12	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">calcium ion binding</a>	RT		30	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid binding</a>	RT		18	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid binding</a>	RT		23	4.1E-1	1.0E0
	Annotation Cluster 2	Enrichment Score: 0.66			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein localization</a>	RT		25	8.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular transport</a>	RT		21	9.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein transport</a>	RT		24	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">establishment of protein localization</a>	RT		24	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular protein transport</a>	RT		17	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein localization</a>	RT		17	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule localization</a>	RT		17	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT		9	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle-mediated transport</a>	RT		19	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Clathrin/coatomer adaptor, adaptin-like, N-terminal</a>	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT		9	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT		9	6.7E-1	1.0E0
	Annotation Cluster 3	Enrichment Score: 0.63			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">integral to membrane</a>	RT		44	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intrinsic to membrane</a>	RT		44	1.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transmembrane</a>	RT		20	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">membrane</a>	RT		18	3.6E-1	1.0E0
	Annotation Cluster 4	Enrichment Score: 0.62			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">AAA</a>	RT		47	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA+ type, core</a>	RT		47	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, AAA-type, core</a>	RT		16	5.2E-1	1.0E0
	Annotation Cluster 5	Enrichment Score: 0.51			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">AMP-dependent synthetase and ligase</a>	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">fatty acid ligase activity</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">long-chain fatty acid-CoA ligase activity</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-sulfur bonds</a>	RT		5	3.0E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Lipid metabolism</a>	RT		8	7.3E-1	9.9E-1
	Annotation Cluster 6	Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein-DNA complex assembly</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA packaging</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome assembly</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleosome organization</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone-fold</a>	RT		11	2.4E-1	1.0E0



<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	RT		23	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone core</a>	RT		9	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nucleosome</a>	RT		9	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin assembly or disassembly</a>	RT		10	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	RT		23	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein-DNA complex</a>	RT		10	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex subunit organization</a>	RT		17	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin organization</a>	RT		11	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex subunit organization</a>	RT		18	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleosome core</a>	RT		6	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecular complex assembly</a>	RT		16	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromatin</a>	RT		9	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosomal part</a>	RT		12	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecular complex assembly</a>	RT		17	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromosome organization</a>	RT		12	5.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">H4</a>	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H4</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002052:histone H4	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">H3</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Histone H3</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">chromosome</a>	RT		14	9.2E-1	1.0E0
	Annotation Cluster 7	Enrichment Score: 0.43			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">ANK</a>	RT		259	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ankyrin</a>	RT		259	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ank repeat</a>	RT		177	5.0E-1	1.0E0
	Annotation Cluster 8	Enrichment Score: 0.41			Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">UBQ</a>	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin supergroup</a>	RT		9	3.9E-1	1.0E0
	Annotation Cluster 9	Enrichment Score: 0.41			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase regulator activity</a>	RT		6	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">kinase regulator activity</a>	RT		6	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cAMP-dependent protein kinase regulator activity</a>	RT		4	4.4E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 0.4			Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT		5	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ARF/SAR superfamily</a>	RT		6	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ARF</a>	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ADP-ribosylation factor</a>	RT		4	4.5E-1	1.0E0
	Annotation Cluster 11	Enrichment Score: 0.39			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">intracellular signaling cascade</a>	RT		16	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">small GTPase mediated signal transduction</a>	RT		12	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl ribonucleotide binding</a>	RT		31	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTP binding</a>	RT		31	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">guanyl nucleotide binding</a>	RT		31	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Small GTP-binding protein</a>	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras</a>	RT		9	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras GTPase</a>	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">gtp-binding</a>	RT		24	5.7E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">RAB</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Ras small GTPase_Rab type</a>	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT		4	8.1E-1	1.0E0
	Annotation Cluster 12	Enrichment Score: 0.35			Count	P_Value	Benjamini
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Nucleotide transport and metabolism</a>	RT		8	8.7E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide catabolic process</a>	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside_nucleotide and nucleic acid catabolic process</a>	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase_nucleoside and nucleotide catabolic process</a>	RT		5	4.9E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound catabolic process</a>	RT	5	4.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">5'-Nucleotidase and apyrase</a>	RT	3	6.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Predicted phosphoesterase_C1039.02 type</a>	RT	3	6.3E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:phosphoesterase, C1039.02 type	RT	3	6.3E-1	1.0EO
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF017316:Pesterase_C1039	RT	3	6.3E-1	1.0EO
	Annotation Cluster 13	Enrichment Score: 0.35				
<input type="checkbox"/>	SMART	<a href="#">RRM</a>	RT	10	4.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">RNA recognition motif_RNP-1</a>	RT	10	4.4E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleotide-binding_alpha-beta plait</a>	RT	11	4.8E-1	1.0EO
	Annotation Cluster 14	Enrichment Score: 0.34				
<input type="checkbox"/>	SMART	<a href="#">VWA</a>	RT	6	3.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">von Willebrand factor_type A</a>	RT	6	3.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	<a href="#">Copine</a>	RT	4	6.6E-1	1.0EO
	Annotation Cluster 15	Enrichment Score: 0.31				
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle membrane</a>	RT	9	2.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus</a>	RT	9	2.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT	12	3.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle membrane</a>	RT	4	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ER to Golgi transport vesicle</a>	RT	4	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">COPII vesicle coat</a>	RT	4	4.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ER to Golgi vesicle-mediated transport</a>	RT	5	4.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">Golgi vesicle transport</a>	RT	5	4.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic membrane-bounded vesicle</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle membrane</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane-bounded vesicle</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle membrane</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle membrane</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated vesicle</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoplasmic vesicle part</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">vesicle coat</a>	RT	5	5.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">Golgi apparatus part</a>	RT	6	5.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle membrane</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">transport vesicle</a>	RT	4	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">coated membrane</a>	RT	9	6.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">membrane coat</a>	RT	9	6.7E-1	1.0EO
	Annotation Cluster 16	Enrichment Score: 0.29				
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleobase_nucleoside_nucleotide kinase activity</a>	RT	8	3.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide kinase activity</a>	RT	4	6.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphotransferase activity_phosphate group as acceptor</a>	RT	5	6.6E-1	1.0EO
	Annotation Cluster 17	Enrichment Score: 0.27				
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide metabolic process</a>	RT	20	3.2E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP metabolic process</a>	RT	17	3.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP biosynthetic process</a>	RT	17	3.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate biosynthetic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside triphosphate metabolic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate biosynthetic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleoside triphosphate metabolic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate metabolic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoside triphosphate biosynthetic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate metabolic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleoside triphosphate biosynthetic process</a>	RT	18	3.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity_coupled to transmembrane movement of ions_phosphorylative mechanism</a>	RT	9	3.7E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine nucleotide biosynthetic process</a>	RT	19	3.8E-1	1.0EO

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transport</a>	RT		16	3.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cation transport</a>	RT		16	3.9E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT		9	3.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide metabolic process</a>	RT		18	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">purine ribonucleotide biosynthetic process</a>	RT		18	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide metabolic process</a>	RT		18	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleotide biosynthetic process</a>	RT		18	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase complex</a>	RT		7	4.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inorganic cation transmembrane transporter activity</a>	RT		12	4.8E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT		8	4.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleotide biosynthetic process</a>	RT		24	5.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, proton-transporting domain</a>	RT		5	5.2E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hydrogen transport</a>	RT		10	5.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proton transport</a>	RT		10	5.3E-1	1.0E0			
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Oxidative phosphorylation</a>	RT		9	5.3E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT		6	5.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT		16	5.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex</a>	RT		10	5.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nitrogen compound biosynthetic process</a>	RT		29	5.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process</a>	RT		25	5.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleobase, nucleoside and nucleotide biosynthetic process</a>	RT		25	5.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">di-, tri-valent inorganic cation transmembrane transporter activity</a>	RT		3	6.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances</a>	RT		18	6.2E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ion transmembrane transport</a>	RT		9	6.2E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, C-terminal</a>	RT		3	6.3E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type cation-transporter, N-terminal</a>	RT		3	6.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion transmembrane transporter activity</a>	RT		4	6.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monovalent inorganic cation transport</a>	RT		10	6.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting V-type ATPase, VO domain</a>	RT		4	6.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions</a>	RT		12	6.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">oxidative phosphorylation</a>	RT		8	7.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ATP synthesis coupled proton transport</a>	RT		8	7.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">energy coupled proton transport, down electrochemical gradient</a>	RT		8	7.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrogen ion transmembrane transporter activity</a>	RT		9	7.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">monovalent inorganic cation transmembrane transporter activity</a>	RT		9	7.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of substances</a>	RT		16	7.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to movement of substances</a>	RT		16	7.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">primary active transmembrane transporter activity</a>	RT		17	7.5E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">P-P-bond-hydrolysis-driven transmembrane transporter activity</a>	RT		17	7.5E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transmembrane transport</a>	RT		12	7.6E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">phosphoprotein</a>	RT		3	7.9E-1	9.9E-1			
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ion transport</a>	RT		3	8.9E-1	9.9E-1			
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proton-transporting two-sector ATPase complex, catalytic domain</a>	RT		4	9.5E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">proton-transporting ATPase activity, rotational mechanism</a>	RT		3	9.7E-1	1.0E0			
Annotation Cluster 18					Enrichment Score: 0.27			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular response to stress</a>	RT		14	4.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA repair</a>	RT		13	5.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">response to DNA damage stimulus</a>	RT		13	5.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA metabolic process</a>	RT		33	7.5E-1	1.0E0			
Annotation Cluster 19					Enrichment Score: 0.27			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">endomembrane system</a>	RT		12	3.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nuclear transport</a>	RT		4	4.3E-1	1.0E0			

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleocytoplasmic transport</a>	RT				4	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">organelle envelope</a>	RT				4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">envelope</a>	RT				4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">pore complex</a>	RT				4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear envelope</a>	RT				4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">nuclear pore</a>	RT				4	6.7E-1	1.0E0
	Annotation Cluster 20	Enrichment Score: 0.26					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">t-SNARE</a>	RT				4	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Target SNARE coiled-coil region</a>	RT				4	4.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">SNARE interactions in vesicular transport</a>	RT				3	8.1E-1	1.0E0
	Annotation Cluster 21	Enrichment Score: 0.26					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ion binding</a>	RT				155	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cation binding</a>	RT				155	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metal ion binding</a>	RT				152	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">zinc ion binding</a>	RT				90	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transition metal ion binding</a>	RT				107	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT				57	6.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT				46	8.1E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT				33	8.3E-1	9.9E-1
<input type="checkbox"/>	SMART	<a href="#">RING</a>	RT				36	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, RING-type</a>	RT				36	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, C3HC4 RING-type</a>	RT				18	9.1E-1	1.0E0
	Annotation Cluster 22	Enrichment Score: 0.26					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA processing</a>	RT				9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA metabolic process</a>	RT				9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribonucleoprotein complex biogenesis</a>	RT				13	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ribosome biogenesis</a>	RT				13	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA processing</a>	RT				18	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">rRNA modification</a>	RT				3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA processing</a>	RT				26	7.3E-1	1.0E0
	Annotation Cluster 23	Enrichment Score: 0.26					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein phosphatase regulator activity</a>	RT				4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase regulator activity</a>	RT				4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein phosphatase type 2A regulator activity</a>	RT				3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein phosphatase type 2A complex</a>	RT				3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">protein serine/threonine phosphatase complex</a>	RT				5	6.9E-1	1.0E0
	Annotation Cluster 24	Enrichment Score: 0.26					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">HATPase_c</a>	RT				6	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ATP-binding region, ATPase-like</a>	RT				6	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA mismatch repair protein</a>	RT				3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">mismatch repair</a>	RT				4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">double-stranded DNA binding</a>	RT				4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structure-specific DNA binding</a>	RT				4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">mismatched DNA binding</a>	RT				4	6.4E-1	1.0E0
	Annotation Cluster 25	Enrichment Score: 0.25					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">transcription regulator activity</a>	RT				8	4.7E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2C2</a>	RT				3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger, TFIIIS-type</a>	RT				3	6.3E-1	1.0E0
	Annotation Cluster 26	Enrichment Score: 0.24					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">heat shock protein binding</a>	RT				6	5.4E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">DnaJ</a>	RT				6	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Heat shock protein DnaJ, N-terminal</a>	RT				6	5.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Molecular chaperone, heat shock protein, Hsp40, DnaJ</a>	RT				5	6.8E-1	1.0E0
	Annotation Cluster 27	Enrichment Score: 0.23					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural constituent of ribosome</a>	RT				42	4.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Ribosome</a>	RT				42	4.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ribosomal protein</a>	RT				43	5.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translation</a>	RT					66	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">structural molecule activity</a>	RT					49	5.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribonucleoprotein complex</a>	RT					59	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">ribosome</a>	RT					44	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">intracellular non-membrane-bounded organelle</a>	RT					87	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">non-membrane-bounded organelle</a>	RT					87	9.6E-1	1.0E0	
	Annotation Cluster 28	Enrichment Score: 0.21						Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT					34	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small conjugating protein ligase activity</a>	RT					9	5.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">UBCc</a>	RT					8	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme/RWD-like</a>	RT					8	6.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Ubiquitin-conjugating enzyme_F2</a>	RT					8	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin-protein ligase activity</a>	RT					4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acid-amino acid ligase activity</a>	RT					16	6.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubl conjugation pathway</a>	RT					8	7.1E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-nitrogen bonds</a>	RT					18	7.6E-1	1.0E0	
	Annotation Cluster 29	Enrichment Score: 0.2						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">exopeptidase activity</a>	RT					8	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallopeptidase activity</a>	RT					9	5.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dipeptidase</a>	RT					3	6.1E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">dipeptidase activity</a>	RT					3	6.1E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">Zn_pept</a>	RT					4	6.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase M14_carboxypeptidase A</a>	RT					4	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metalloexopeptidase activity</a>	RT					5	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">carboxypeptidase activity</a>	RT					3	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">metallocarboxypeptidase activity</a>	RT					3	7.9E-1	1.0E0	
	Annotation Cluster 30	Enrichment Score: 0.2						Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40/YVTN repeat-like</a>	RT					45	3.7E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">WD40</a>	RT					45	4.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat</a>	RT					45	4.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, conserved site</a>	RT					17	7.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, subgroup</a>	RT					32	7.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT					27	7.9E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat 2</a>	RT					23	8.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">WD40 repeat, region</a>	RT					25	8.8E-1	1.0E0	
	Annotation Cluster 31	Enrichment Score: 0.2						Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	<a href="#">FU</a>	RT					110	4.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Furin-like repeat</a>	RT					110	4.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">Giardia variant-specific surface protein</a>	RT					135	7.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like</a>	RT					105	8.7E-1	1.0E0	
<input type="checkbox"/>	SMART	<a href="#">EGF</a>	RT					105	8.8E-1	1.0E0	
	Annotation Cluster 32	Enrichment Score: 0.19						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid lipidation</a>	RT					4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein metabolic process</a>	RT					4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipoprotein biosynthetic process</a>	RT					4	6.4E-1	1.0E0	
	Annotation Cluster 33	Enrichment Score: 0.18						Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism</a>	RT					9	3.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter</a>	RT					9	3.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, ATPase-associated region</a>	RT					8	4.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type phosphorylation site</a>	RT					6	5.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">magnesium</a>	RT					8	6.0E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid transport</a>	RT					4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid localization</a>	RT					4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">magnesium ion binding</a>	RT					9	7.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">lipid transporter activity</a>	RT					4	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid transport</a>	RT					3	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	<a href="#">ATPase, P-type, phospholipid-translocating</a>	RT					3	8.0E-1	1.0E0	

<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">flippase</a>								
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminophospholipid transporter activity</a>	RT					3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid-translocating ATPase activity</a>	RT					3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phospholipid transporter activity</a>	RT					3	8.9E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.18						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase regulator activity</a>	RT					8	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">small GTPase regulator activity</a>	RT					8	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside-triphosphatase regulator activity</a>	RT					9	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of ARF protein signal transduction</a>	RT					4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras protein signal transduction</a>	RT					6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of small GTPase mediated signal transduction</a>	RT					6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">enzyme activator activity</a>	RT					6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of hydrolase activity</a>	RT					5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of GTPase activity</a>	RT					5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of Ras GTPase activity</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">GTPase activator activity</a>	RT					4	8.8E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.17						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cyclic nucleotide metabolic process</a>	RT					3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cyclic nucleotide biosynthetic process</a>	RT					3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphorus-oxygen lyase activity</a>	RT					3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside monophosphate biosynthetic process</a>	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">nucleoside monophosphate metabolic process</a>	RT					3	7.9E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 0.16						Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	<a href="#">ZnF_C2H2</a>	RT					11	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger_C2H2-type</a>	RT					11	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Zinc finger_C2H2-like</a>	RT					11	6.9E-1	1.0E0
	Annotation Cluster 37	Enrichment Score: 0.14						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose metabolic process</a>	RT					13	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose metabolic process</a>	RT					13	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">generation of precursor metabolites and energy</a>	RT					16	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide metabolic process</a>	RT					14	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">hexose catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glucose catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">monosaccharide catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate catabolic process</a>	RT					8	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycolysis</a>	RT					6	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycolysis</a>	RT					3	9.5E-1	1.0E0
	Annotation Cluster 38	Enrichment Score: 0.14						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organophosphate metabolic process</a>	RT					9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid metabolic process</a>	RT					8	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT					9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phospholipid biosynthetic process</a>	RT					5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerolipid metabolic process</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphoinositide metabolic process</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">glycerophospholipid metabolic process</a>	RT					4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">inositol or phosphatidylinositol kinase activity</a>	RT					3	8.9E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 0.14						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">dephosphorylation</a>	RT					10	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT					8	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphatase activity</a>	RT					25	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT					15	8.5E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 0.14						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular carbohydrate biosynthetic process</a>	RT					5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carbohydrate biosynthetic process</a>	RT					5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">alcohol biosynthetic process</a>	RT					3	8.9E-1	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.13						Count	P_Value	Benjamini

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter-like</a>	RT		14	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">ABC transporter, conserved site</a>	RT		13	7.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	<a href="#">Defense mechanisms</a>	RT		12	8.5E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.13			Count	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">viral nucleoprotein</a>	RT		10	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, core</a>	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Sm</a>	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core</a>	RT		4	8.9E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.13			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">CYCLIN</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin</a>	RT		3	9.0E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.13			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Pseudouridine synthase I, TruA</a>	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001430:tRNA_psdUrid_synth	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">intramolecular transferase activity</a>	RT		7	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA modification</a>	RT		9	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">pseudouridine synthesis</a>	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">pseudouridine synthase activity</a>	RT		4	8.8E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.13			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">thiolester hydrolase activity</a>	RT		6	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ubiquitin thiolesterase activity</a>	RT		4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		7	9.2E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.12			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch-type beta propeller</a>	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Kelch</a>	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Kelch repeat type 1</a>	RT		4	8.0E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.12			Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin-related</a>	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Cyclin, N-terminal</a>	RT		3	9.5E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.12			Count	P-Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Valine, leucine and isoleucine biosynthesis</a>	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class I, conserved site</a>	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ncRNA metabolic process</a>	RT		30	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation for protein translation</a>	RT		12	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming carbon-oxvgen bonds</a>	RT		13	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">aminoacyl-tRNA ligase activity</a>	RT		13	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ligase activity, forming aminoacyl-tRNA and related compounds</a>	RT		13	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA metabolic process</a>	RT		21	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminoacyl-tRNA synthetase</a>	RT		12	8.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">tRNA aminoacylation</a>	RT		12	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amino acid activation</a>	RT		12	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Rossmann-like alpha/beta/alpha sandwich fold</a>	RT		10	8.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Aminoacyl-tRNA biosynthesis</a>	RT		11	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Aminoacyl-tRNA synthetase, class II, conserved region</a>	RT		4	9.7E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.11			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity</a>	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonuclease activity</a>	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endoribonuclease activity, producing 5'-phosphomonoesters</a>	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters</a>	RT		4	8.8E-1	1.0E0
	Annotation Cluster 50	Enrichment Score: 0.11			Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity, acting on L-amino acid peptides</a>	RT		40	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidase activity</a>	RT		46	6.0E-1	1.0E0

<input type="checkbox"/>					Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		51	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endopeptidase activity</a>	RT		26	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type peptidase activity</a>	RT		17	7.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">Pept_C1</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase C1A, papain C-terminal</a>	RT		14	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cysteine-type endopeptidase activity</a>	RT		12	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Protease</a>	RT		18	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidase, cysteine peptidase active site</a>	RT		14	9.7E-1	1.0E0
Annotation Cluster 51		Enrichment Score: 0.11					Count P-Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	RT		158	4.1E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">atp-binding</a>	RT		148	5.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorus metabolic process</a>	RT		171	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphate metabolic process</a>	RT		171	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotide binding</a>	RT		349	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">phosphorylation</a>	RT		161	7.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	RT		184	7.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid phosphorylation</a>	RT		149	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleotide binding</a>	RT		322	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine ribonucleotide binding</a>	RT		322	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein kinase activity</a>	RT		150	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleotide binding</a>	RT		325	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein kinase, core</a>	RT		148	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl ribonucleotide binding</a>	RT		291	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP binding</a>	RT		291	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleoside binding</a>	RT		297	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine protein kinase-related</a>	RT		127	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine nucleoside binding</a>	RT		294	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">adenyl nucleotide binding</a>	RT		294	9.2E-1	1.0E0
Annotation Cluster 52		Enrichment Score: 0.1					Count P-Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription</a>	RT		20	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD or NADH binding</a>	RT		6	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of RNA metabolic process</a>	RT		8	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of transcription, DNA-dependent</a>	RT		8	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">gene silencing</a>	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression</a>	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule metabolic process</a>	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">chromatin silencing</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of cellular biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of RNA metabolic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of macromolecule biosynthetic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">regulation of gene expression, epigenetic</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nitrogen compound metabolic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of gene expression, epigenetic</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">negative regulation of transcription, DNA-dependent</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">NAD binding</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">NAD-dependent histone deacetylase, silent information regulator Sir2</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid deacetylation</a>	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides</a>	RT		3	9.9E-1	1.0E0
Annotation Cluster 53		Enrichment Score: 0.1					Count P-Value Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">lipid biosynthetic process</a>	RT		9	6.2E-1	1.0E0



<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid biosynthetic process</a>	RT					3	8.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">isoprenoid metabolic process</a>	RT					3	8.9E-1	1.0E0		
	Annotation Cluster 54	Enrichment Score: 0.1						Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">membrane docking</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">exocytosis</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion by cell</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">secretion</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking during exocytosis</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">vesicle docking</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Sec1-like protein</a>	RT					3	8.0E-1	1.0E0		
	Annotation Cluster 55	Enrichment Score: 0.1						Count	P_Value	Benjamini		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">motor protein</a>	RT					15	5.6E-1	9.9E-1		
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region, conserved site</a>	RT					11	6.9E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">microtubule</a>	RT					18	7.6E-1	1.0E0		
<input type="checkbox"/>	SMART	<a href="#">K1Sc</a>	RT					16	7.6E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Kinesin_motor region</a>	RT					16	7.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">motor activity</a>	RT					23	8.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">microtubule motor activity</a>	RT					23	8.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based process</a>	RT					29	8.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule-based movement</a>	RT					25	8.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule</a>	RT					18	8.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule cytoskeleton</a>	RT					28	9.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeletal part</a>	RT					28	9.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytoskeleton</a>	RT					29	9.1E-1	1.0E0		
	Annotation Cluster 56	Enrichment Score: 0.09						Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">microtubule cytoskeleton organization</a>	RT					3	7.9E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Spc97/Spc98</a>	RT					3	8.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle pole</a>	RT					3	8.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">spindle</a>	RT					3	8.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">microtubule organizing center</a>	RT					3	8.1E-1	1.0E0		
	Annotation Cluster 57	Enrichment Score: 0.09						Count	P_Value	Benjamini		
<input type="checkbox"/>	INTERPRO	<a href="#">RNA helicase, DEAD-box type, Q motif</a>	RT					12	4.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity</a>	RT					54	6.5E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATPase activity, coupled</a>	RT					40	6.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">helicase activity</a>	RT					29	8.5E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, DEAD/DEAH box type, N-terminal</a>	RT					16	8.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">purine NTP-dependent helicase activity</a>	RT					20	8.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ATP-dependent helicase activity</a>	RT					20	8.7E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT					23	8.8E-1	9.9E-1		
<input type="checkbox"/>	SMART	<a href="#">HELICc</a>	RT					22	9.4E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">DNA/RNA helicase, C-terminal</a>	RT					22	9.5E-1	1.0E0		
<input type="checkbox"/>	SMART	<a href="#">DEXDc</a>	RT					21	9.6E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Helicase, superfamily 1 and 2, ATP-binding</a>	RT					21	9.6E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">DEAD-like helicase, N-terminal</a>	RT					21	9.6E-1	1.0E0		
	Annotation Cluster 58	Enrichment Score: 0.09						Count	P_Value	Benjamini		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Rotamase</a>	RT					5	7.9E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">cis-trans isomerase activity</a>	RT					5	7.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">peptidyl-prolyl cis-trans isomerase activity</a>	RT					5	7.9E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	<a href="#">Peptidyl-prolyl cis-trans isomerase, FKBP-type</a>	RT					4	8.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein folding</a>	RT					15	9.2E-1	1.0E0		
	Annotation Cluster 59	Enrichment Score: 0.09						Count	P_Value	Benjamini		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Endonuclease</a>	RT					17	7.5E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">rna-directed dna polymerase</a>	RT					13	7.7E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">endonuclease activity</a>	RT					19	7.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nuclease activity</a>	RT					27	8.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA-directed DNA polymerase activity</a>	RT					13	8.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">nucleotidyltransferase activity</a>	RT					39	8.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA polymerase activity</a>	RT					16	9.6E-1	1.0E0		

Annotation Cluster 60		Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis</a>	RT		51	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">proteolysis involved in cellular protein catabolic process</a>	RT		19	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular protein catabolic process</a>	RT		19	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubiquitination pathway</a>	RT		8	7.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha and beta subunits</a>	RT		8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular macromolecule catabolic process</a>	RT		19	7.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">threonine protease</a>	RT		4	7.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein catabolic process</a>	RT		21	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type peptidase activity</a>	RT		8	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">threonine-type endopeptidase activity</a>	RT		8	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, subunit alpha/beta</a>	RT		8	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">macromolecule catabolic process</a>	RT		21	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome core complex</a>	RT		8	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent protein catabolic process</a>	RT		14	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">modification-dependent macromolecule catabolic process</a>	RT		14	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">proteasome</a>	RT		10	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">ubiquitin-dependent protein catabolic process</a>	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001212: multicatalytic endopeptidase complex chain C9	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">proteasome complex</a>	RT		10	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Proteasome, alpha-subunit, conserved site</a>	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_FAT	<a href="#">cytosol</a>	RT		13	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Proteasome</a>	RT		12	9.9E-1	1.0E0
Annotation Cluster 61		Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tptr repeat</a>	RT		6	6.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide region</a>	RT		14	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide-like helical</a>	RT		17	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide TPR-1</a>	RT		10	9.3E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">TPR</a>	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Tetratricopeptide repeat</a>	RT		12	9.3E-1	1.0E0
Annotation Cluster 62		Enrichment Score: 0.08			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">translational initiation</a>	RT		7	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation factor activity, nucleic acid binding</a>	RT		17	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">translation initiation factor activity</a>	RT		13	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT		9	9.4E-1	1.0E0
Annotation Cluster 63		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">protein amino acid dephosphorylation</a>	RT		8	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">protein tyrosine/serine/threonine phosphatase activity</a>	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Protein-tyrosine phosphatase, dual specificity</a>	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Dual specificity phosphatase, catalytic domain</a>	RT		3	9.0E-1	1.0E0
Annotation Cluster 64		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	<a href="#">Metallophosphoesterase</a>	RT		13	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">iron</a>	RT		11	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">phosphoprotein phosphatase activity</a>	RT		15	8.5E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">PP2Ac</a>	RT		8	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Serine/threonine-specific protein phosphatase and bis(5-nucleosyl)-tetraphosphatase</a>	RT		8	8.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000908: serine/threonine-protein phosphatase, conventional type	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">iron ion binding</a>	RT		14	9.8E-1	1.0E0
Annotation Cluster 65		Enrichment Score: 0.07			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">acetyltransferase activity</a>	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acyltransferase activity</a>	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">N-acetyltransferase activity</a>	RT		5	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">GCN5-related N-acetyltransferase</a>	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Acyl-CoA N-acyltransferase</a>	RT		5	9.3E-1	1.0E0
Annotation Cluster 66		Enrichment Score: 0.07			Count	P_Value	Benjamini

<input type="checkbox"/>	Source	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna replication</a>	RT	6	7.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">DNA replication</a>	RT	17	8.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT	11	9.0E-1	1.0E0
Annotation Cluster 67				Enrichment Score: 0.06		
<input type="checkbox"/>	SMART	<a href="#">MCM</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">DNA-dependent ATPase MCM</a>	RT	4	8.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT	11	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Nucleic acid-binding, OB-fold</a>	RT	8	9.9E-1	1.0E0
Annotation Cluster 68				Enrichment Score: 0.06		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Pyrimidine metabolism</a>	RT	19	7.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	RT	5	7.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">ribonucleoside binding</a>	RT	3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">transcription</a>	RT	14	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">DNA-directed RNA polymerase activity</a>	RT	12	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">RNA polymerase activity</a>	RT	12	9.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">RNA polymerase</a>	RT	9	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotidyltransferase</a>	RT	12	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-directed rna polymerase</a>	RT	6	9.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Purine metabolism</a>	RT	15	9.8E-1	1.0E0
Annotation Cluster 69				Enrichment Score: 0.05		
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">carboxylic acid biosynthetic process</a>	RT	4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">organic acid biosynthetic process</a>	RT	4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">cellular amino acid biosynthetic process</a>	RT	3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">amine biosynthetic process</a>	RT	3	9.5E-1	1.0E0
Annotation Cluster 70				Enrichment Score: 0.05		
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Mismatch repair</a>	RT	8	8.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">DNA replication</a>	RT	11	9.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	<a href="#">Nucleotide excision repair</a>	RT	7	9.8E-1	1.0E0
Annotation Cluster 71				Enrichment Score: 0.05		
<input type="checkbox"/>	INTERPRO	<a href="#">EF-Hand type</a>	RT	10	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 1</a>	RT	11	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium</a>	RT	8	8.7E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">EF-HAND 2</a>	RT	9	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	<a href="#">EFh</a>	RT	5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Calcium-binding EF-hand</a>	RT	5	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EF hand</a>	RT	5	9.6E-1	1.0E0
Annotation Cluster 72				Enrichment Score: 0.05		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT	7	8.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	RT	10	8.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin Cpn60/TCP-1</a>	RT	5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperone, tailless complex polypeptide 1</a>	RT	4	9.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584: molecular chaperone t-complex-type	RT	4	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">Chaperonin TCP-1, conserved site</a>	RT	4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_FAT	<a href="#">unfolded protein binding</a>	RT	9	9.8E-1	1.0E0
Annotation Cluster 73				Enrichment Score: 0.04		
<input type="checkbox"/>	INTERPRO	<a href="#">Ribosomal RNA methyltransferase RrmJ/FtsJ</a>	RT	3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">RNA methylation</a>	RT	3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">methylation</a>	RT	5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">biopolymer methylation</a>	RT	3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_FAT	<a href="#">one-carbon metabolic process</a>	RT	5	9.6E-1	1.0E0
Annotation Cluster 74				Enrichment Score: 0.04		
<input type="checkbox"/>	SMART	<a href="#">EGF_Lam</a>	RT	14	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, laminin</a>	RT	14	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF</a>	RT	4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF, extracellular</a>	RT	12	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	<a href="#">EGF-like, type 3</a>	RT	14	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">egf-like domain</a>	RT	6	1.0E0	1.0E0
Annotation Cluster 75				Enrichment Score: 0.04		
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Aminotransferase</a>	RT	3	8.9E-1	9.9E-1

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_FAT	0.04	<a href="#">transaminase activity</a>	RT		3	8.9E-1	1.0EO
<input type="checkbox"/>			<a href="#">transferase activity, transferring nitrogenous groups</a>	RT		3	9.7E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 76	0.04				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	0.03	<a href="#">Myb_DNA-binding</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	SMART		<a href="#">SANT</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.03	<a href="#">SANT_DNA-binding</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 77		0.03				Count	P_Value
<input type="checkbox"/>	INTERPRO	0.03	<a href="#">Serine/threonine protein kinase, active site</a>	RT		48	8.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">protein serine/threonine kinase activity</a>	RT		55	9.1E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.03	<a href="#">Serine/threonine protein kinase-related</a>	RT		127	9.2E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Protein kinase, ATP binding site</a>	RT		42	9.5E-1	1.0EO
<input type="checkbox"/>	SMART	0.03	<a href="#">S_TKc</a>	RT		29	9.6E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Serine/threonine protein kinase</a>	RT		29	9.6E-1	1.0EO
<input type="checkbox"/>	SP_PIR_KEYWORDS	0.03	<a href="#">serine/threonine-protein kinase</a>	RT		29	9.8E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 78		0.03				Count	P_Value
<input type="checkbox"/>	GOTERM_MF_FAT	0.03	<a href="#">pyridoxal phosphate binding</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin B6 binding</a>	RT		5	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.03	<a href="#">Pyridoxal phosphate-dependent transferase, major region, subdomain 1</a>	RT		4	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">vitamin binding</a>	RT		5	9.6E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 79	0.03				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	0.02	<a href="#">Dynein heavy chain</a>	RT		6	9.3E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT		<a href="#">dynein complex</a>	RT		6	9.4E-1	1.0EO
<input type="checkbox"/>	GOTERM_CC_FAT	0.02	<a href="#">microtubule associated complex</a>	RT		7	9.6E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 80		0.02				Count	P_Value
<input type="checkbox"/>	INTERPRO	0.02	<a href="#">RNA-directed DNA polymerase (reverse transcriptase), related</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">RNA-dependent DNA replication</a>	RT		3	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.02	<a href="#">RNA-directed DNA polymerase (reverse transcriptase)</a>	RT		3	9.8E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 81		0.02				Count	P_Value
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">Thioredoxin, conserved site</a>	RT		4	8.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Thioredoxin-like subdomain</a>	RT		3	9.0E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">Thioredoxin domain</a>	RT		3	9.5E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Thioredoxin, core</a>	RT		3	9.8E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">Thioredoxin-like</a>	RT		5	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Thioredoxin fold</a>	RT		9	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	0.01	<a href="#">cell redox homeostasis</a>	RT		7	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">cellular homeostasis</a>	RT		7	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	0.01	<a href="#">homeostatic process</a>	RT		7	1.0EO	1.0EO
<input type="checkbox"/>	Annotation Cluster 82		0.01				Count	P_Value
<input type="checkbox"/>	GOTERM_BP_FAT	0.01	<a href="#">protein complex assembly</a>	RT		6	9.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein complex biogenesis</a>	RT		6	9.5E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT	0.01	<a href="#">cellular protein complex assembly</a>	RT		5	9.6E-1	1.0EO
<input type="checkbox"/>	GOTERM_BP_FAT		<a href="#">protein polymerization</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">Tubulin</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">Tubulin/FtsZ, GTPase domain</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">Tubulin, conserved site</a>	RT		3	9.9E-1	1.0EO
<input type="checkbox"/>	Annotation Cluster 83		0.01				Count	P_Value
<input type="checkbox"/>	GOTERM_MF_FAT	0.01	<a href="#">4 iron, 4 sulfur cluster binding</a>	RT		4	9.3E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding domain</a>	RT		4	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO	0.01	<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, subgroup</a>	RT		4	9.7E-1	1.0EO
<input type="checkbox"/>	INTERPRO		<a href="#">4Fe-4S ferredoxin, iron-sulphur binding, conserved site</a>	RT		3	9.8E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	0.01	<a href="#">iron-sulfur cluster binding</a>	RT		8	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT		<a href="#">metal cluster binding</a>	RT		8	9.9E-1	1.0EO
<input type="checkbox"/>	GOTERM_MF_FAT	0.01	<a href="#">electron carrier activity</a>	RT		9	9.9E-1	1.0EO

201 terms were not clustered.

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