

Functional Annotation Clustering Of Genes Induced By Kit

<http://david.abcc.ncifcrf.gov/summary.jsp>

1) Genes Upregulated >2 in WT BMMCs
pp. 2 - 55

2) Genes Upregulated >2 in WASP Deficient BMMCs
pp. 56 - 106

3) Genes Upregulated >2 in WT But Not In WASP Deficient BMMCs
pp. 107 - 126

4) Genes Upregulated >2 in WASP Deficient But Not In WT BMMCs
pp. 127 - 139

5) Genes Downregulated <0.5 in WT BMMCs
pp. 140 - 184

6) Genes Downregulated <0.5 in WASP Deficient BMMCs
pp. 185 - 238

7) Genes Downregulated <0.5 in WT But Not In WASP Deficient BMMCs
pp. 239 - 254

8) Genes Downregulated <0.5 in WASP Deficient But Not In WT BMMCs
pp. 255 - 278



Functional Annotation Clustering Of Genes Upregulated >2 in WT BMMCs

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Current Gene List: wt up >2
1633 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

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Annotation Cluster 1		Enrichment Score: 24.15		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular part	RT			985	1.6E-45	1.3E-42
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular	RT			1007	5.9E-40	2.3E-37
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular membrane-bound organelle	RT			777	2.2E-35	5.8E-33
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound organelle	RT			777	3.6E-35	6.9E-33
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle	RT			840	2.5E-33	3.8E-31
<input type="checkbox"/>	GOTERM_CC_ALL	organelle	RT			840	3.6E-33	4.7E-31
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT			518	1.8E-23	2.0E-21
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasm	RT			655	3.8E-22	2.9E-20
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT			419	1.4E-19	3.1E-17
<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT			1176	2.2E-13	9.6E-12
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT			1176	2.2E-13	9.6E-12
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			381	9.1E-7	1.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT			450	3.7E-2	5.9E-1
Annotation Cluster 2		Enrichment Score: 15.69		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT			104	3.2E-26	1.4E-23
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT			66	9.0E-22	2.6E-19
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT			152	9.3E-22	4.8E-18
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT			76	4.4E-21	1.1E-17
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT			48	1.4E-18	2.4E-16
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT			119	5.1E-16	7.2E-13
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT			75	1.1E-15	1.1E-12
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT			66	6.5E-15	5.5E-12
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT			66	1.2E-14	8.9E-12
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT			54	6.5E-14	4.2E-11
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT			54	8.3E-14	4.8E-11
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT			68	1.3E-7	2.3E-5
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT			68	1.8E-7	2.9E-5
Annotation Cluster 3		Enrichment Score: 14.14		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT			79	4.0E-16	3.1E-14
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT			70	9.2E-15	5.9E-13
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT			30	1.1E-13	5.5E-12
Annotation Cluster 4		Enrichment Score: 13.07		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT			358	6.7E-23	6.5E-21
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT			359	7.6E-23	6.5E-21
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT			219	4.4E-14	2.6E-12
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT			219	4.4E-14	2.6E-12
<input type="checkbox"/>	GOTERM_CC_ALL	macromolecular complex	RT			284	1.7E-13	8.3E-12

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT		82	4.4E-6	9.9E-5
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT		104	4.3E-3	5.6E-2
		Annotation Cluster 5		Enrichment Score: 12.68			
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT		290	2.6E-18	7.0E-15
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		211	2.1E-16	2.4E-14
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		171	1.1E-14	9.1E-13
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		242	2.9E-14	2.6E-11
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		242	2.9E-14	2.6E-11
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		247	1.2E-13	6.5E-11
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		201	5.2E-13	2.3E-10
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		202	9.0E-13	3.4E-10
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		207	4.2E-12	1.4E-9
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		91	1.5E-4	2.0E-1
		Annotation Cluster 6		Enrichment Score: 11.27			
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		84	2.2E-13	1.1E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT		81	3.2E-12	2.3E-10
<input type="checkbox"/>	GOTERM_MF_ALL	RNA binding	RT		103	2.2E-10	4.5E-8
		Annotation Cluster 7		Enrichment Score: 8.51			
<input type="checkbox"/>	SP_PIR_KEYWORDS	chaperone	RT		38	1.9E-11	1.3E-9
<input type="checkbox"/>	GOTERM_BP_ALL	protein folding	RT		51	4.4E-10	1.3E-7
<input type="checkbox"/>	GOTERM_MF_ALL	unfolded protein binding	RT		22	3.7E-6	6.1E-4
		Annotation Cluster 8		Enrichment Score: 7.6			
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metabolic process	RT		748	9.8E-12	3.6E-9
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT		747	1.8E-11	6.3E-9
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process	RT		809	1.6E-10	4.8E-8
<input type="checkbox"/>	GOTERM_BP_ALL	cellular process	RT		1053	6.9E-10	1.8E-7
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		381	9.1E-7	1.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT		628	9.7E-6	1.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		450	3.7E-2	5.9E-1
		Annotation Cluster 9		Enrichment Score: 7.48			
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		97	1.9E-11	5.7E-9
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		100	2.1E-11	5.7E-9
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT		100	3.7E-11	9.0E-9
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		100	5.1E-11	1.1E-8
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		44	2.8E-4	2.8E-2
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT		240	2.9E-4	2.6E-2
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		48	6.7E-4	5.0E-2
		Annotation Cluster 10		Enrichment Score: 6.55			
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		196	2.8E-13	1.3E-10
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		142	5.7E-9	1.2E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein biosynthesis	RT		33	4.4E-7	1.7E-5
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		65	7.2E-4	3.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT		88	3.6E-3	1.4E-1
		Annotation Cluster 11		Enrichment Score: 6.34			
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		84	2.2E-13	1.1E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna splicing	RT		40	2.8E-9	1.4E-7
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		76	1.3E-8	4.6E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna processing	RT		43	1.3E-7	5.3E-6
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT		42	1.6E-7	2.7E-5














































<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		53	3.0E-7	4.7E-5
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT		46	2.7E-6	3.6E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	spliceosome	RT		25	1.1E-5	3.3E-4
<input type="checkbox"/>	GOTERM_CC_ALL	spliceosome	RT		29	1.5E-5	3.1E-4
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT		16	1.4E-4	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT		16	1.4E-4	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT		16	1.4E-4	1.0E-2
Annotation Cluster 12		Enrichment Score: 6.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	RRM	RT		39	4.3E-9	2.6E-6
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		53	3.0E-7	4.7E-5
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		36	3.8E-7	7.4E-4
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		33	7.8E-6	1.1E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM	RT		18	8.1E-6	1.4E-2
Annotation Cluster 13		Enrichment Score: 6.01	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Biosynthesis of steroids	RT		20	1.9E-14	2.0E-12
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid synthesis	RT		32	1.4E-12	1.1E-10
<input type="checkbox"/>	GOTERM_BP_ALL	sterol biosynthetic process	RT		20	2.8E-12	1.2E-9
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol biosynthetic process	RT		16	4.8E-10	1.3E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	sterol biosynthesis	RT		14	3.3E-9	1.6E-7
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT		53	4.3E-8	7.7E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid biosynthesis	RT		16	5.7E-8	2.5E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol biosynthesis	RT		11	8.3E-8	3.4E-6
<input type="checkbox"/>	GOTERM_BP_ALL	steroid biosynthetic process	RT		23	1.1E-6	1.5E-4
<input type="checkbox"/>	GOTERM_BP_ALL	sterol metabolic process	RT		23	1.7E-6	2.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol metabolic process	RT		19	7.1E-5	5.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		48	8.5E-5	6.6E-3
<input type="checkbox"/>	GOTERM_BP_ALL	isoprenoid biosynthetic process	RT		9	1.7E-4	1.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	steroid metabolic process	RT		27	2.5E-3	1.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	isoprenoid metabolic process	RT		9	9.8E-3	2.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Isoprene biosynthesis	RT		4	3.1E-2	2.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT		63	7.4E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT		67	2.2E-1	9.7E-1
Annotation Cluster 14		Enrichment Score: 5.86	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT		53	2.3E-11	7.5E-9
<input type="checkbox"/>	GOTERM_BP_ALL	ribosome biogenesis and assembly	RT		30	3.5E-6	4.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	rRNA processing	RT		18	1.9E-5	2.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	rRNA metabolic process	RT		18	2.4E-5	2.5E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	rrna processing	RT		14	1.4E-4	3.3E-3
Annotation Cluster 15		Enrichment Score: 5.63	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle control	RT		16	3.6E-10	2.1E-8
<input type="checkbox"/>	GOTERM_MF_ALL	cyclin-dependent protein kinase regulator activity	RT		14	1.5E-8	2.8E-6
<input type="checkbox"/>	PIRSUPERFAMILY	PIRSF001771:cyclin, A/B/D/E types	RT		10	7.6E-8	2.4E-4
<input type="checkbox"/>	INTERPRO	Cyclin, C-terminal	RT		11	1.4E-7	8.0E-4
<input type="checkbox"/>	INTERPRO	Cyclin, A/B/D/E	RT		9	1.4E-7	4.1E-4
<input type="checkbox"/>	SMART	CYCLIN	RT		14	3.6E-7	7.2E-5
<input type="checkbox"/>	INTERPRO	Cyclin, N-terminal	RT		12	8.5E-6	9.9E-3
<input type="checkbox"/>	INTERPRO	Cyclin	RT		13	9.2E-6	8.9E-3

<input type="checkbox"/>	SP_PIR_KEYWORDS	cyclin	RT				19	1.9E-5	5.3E-4
<input type="checkbox"/>	KEGG_PATHWAY	p53 signaling pathway	RT				21	2.3E-5	9.5E-4
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase regulator activity	RT				19	3.4E-5	5.4E-3
<input type="checkbox"/>	INTERPRO	Cyclin-related	RT				12	7.7E-5	4.4E-2
<input type="checkbox"/>	GOTERM_MF_ALL	kinase regulator activity	RT				20	2.0E-4	2.3E-2
<input type="checkbox"/>	INTERPRO	Cyclin D	RT				4	2.6E-3	5.6E-1
	Annotation Cluster 16	Enrichment Score: 5.33	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	AAA	RT				24	1.0E-7	3.1E-5
<input type="checkbox"/>	INTERPRO	AAA ATPase, core	RT				14	3.2E-5	2.3E-2
<input type="checkbox"/>	INTERPRO	AAA+ ATPase, core	RT				19	3.2E-5	2.1E-2
	Annotation Cluster 17	Enrichment Score: 4.94	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT				31	9.0E-7	1.3E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT				32	1.4E-6	9.7E-3
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT				32	4.9E-6	2.3E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT				25	5.3E-6	1.9E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT				32	6.9E-6	1.9E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT				32	6.9E-6	1.9E-2
<input type="checkbox"/>	SMART	WD40	RT				36	1.1E-5	1.3E-3
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT				18	6.8E-5	1.0E-1
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT				35	1.9E-4	8.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT				40	1.9E-4	4.2E-3
	Annotation Cluster 18	Enrichment Score: 4.83	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane part	RT				22	1.7E-7	5.5E-6
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane	RT				22	4.0E-7	1.2E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna transport	RT				16	2.4E-6	7.8E-5
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear pore	RT				18	3.0E-6	7.3E-5
<input type="checkbox"/>	GOTERM_CC_ALL	pore complex	RT				19	3.4E-6	7.9E-5
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA transport	RT				18	8.8E-6	1.1E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	translocation	RT				18	8.8E-6	2.7E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid transport	RT				19	2.0E-5	2.1E-3
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope	RT				28	2.1E-5	4.1E-4
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of RNA localization	RT				18	3.0E-5	2.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA transport	RT				18	3.0E-5	2.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	nucleic acid transport	RT				18	3.0E-5	2.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA localization	RT				18	3.8E-5	3.5E-3
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT				58	2.5E-4	4.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport across a membrane	RT				15	3.5E-4	2.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclear pore complex	RT				9	9.7E-4	1.8E-2
	Annotation Cluster 19	Enrichment Score: 4.14	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein biosynthesis	RT				33	4.4E-7	1.7E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminoacyl-tRNA synthetase	RT				16	8.1E-7	2.8E-5
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA metabolic process	RT				28	2.9E-6	3.7E-4
<input type="checkbox"/>	KEGG_PATHWAY	Aminoacyl-tRNA biosynthesis	RT				14	2.9E-5	1.0E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT				43	7.7E-5	1.9E-3
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-oxygen bonds	RT				16	3.1E-4	2.7E-2
<input type="checkbox"/>	GOTERM_MF_ALL	aminoacyl-tRNA ligase activity	RT				16	3.1E-4	2.7E-2
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming aminoacyl-tRNA and related compounds	RT				16	3.1E-4	2.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid activation	RT				15	6.3E-4	3.4E-2

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation for protein translation	RT		15	6.3E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation	RT		15	6.3E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT		41	1.2E-3	5.8E-2
	Annotation Cluster 20	Enrichment Score: 3.92	G				
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT		114	1.0E-9	2.6E-7
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT		133	1.5E-8	3.1E-6
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT		129	4.0E-8	7.6E-6
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component organization and biogenesis	RT		302	9.8E-7	1.5E-4
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT		114	1.9E-5	2.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT		66	1.2E-4	8.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT		106	1.5E-4	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT		97	3.8E-4	2.3E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT		58	4.2E-4	8.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT		40	4.8E-4	2.7E-2
<input type="checkbox"/>	GOTERM_MF_ALL	protein transporter activity	RT		28	1.0E-3	7.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT		89	1.6E-3	7.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT		294	7.5E-2	7.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT		133	8.4E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT		260	8.8E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT		250	1.3E-1	8.9E-1
	Annotation Cluster 21	Enrichment Score: 3.7	G				
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		23	1.0E-5	1.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		61	3.0E-4	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		50	2.6E-3	1.1E-1
	Annotation Cluster 22	Enrichment Score: 3.67	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid synthesis	RT		32	1.4E-12	1.1E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	fatty acid biosynthesis	RT		14	3.6E-5	9.9E-4
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid biosynthetic process	RT		16	1.2E-3	5.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid biosynthetic process	RT		16	2.1E-3	9.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid biosynthetic process	RT		16	2.1E-3	9.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	monocarboxylic acid metabolic process	RT		26	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid metabolic process	RT		18	3.5E-1	9.9E-1
	Annotation Cluster 23	Enrichment Score: 3.65	G				
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT		160	1.7E-10	6.7E-9
<input type="checkbox"/>	GOTERM_CC_ALL	nucleolus	RT		38	1.4E-9	5.3E-8
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT		107	3.2E-4	5.5E-3
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT		107	3.2E-4	5.5E-3
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT		93	1.5E-3	2.3E-2
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT		60	3.5E-1	8.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT		53	5.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT		34	9.1E-1	1.0E0
	Annotation Cluster 24	Enrichment Score: 3.58	G				
<input type="checkbox"/>	GOTERM_MF_ALL	lyase activity	RT		33	6.5E-5	9.1E-3
<input type="checkbox"/>	GOTERM_MF_ALL	hydro-lyase activity	RT		16	1.4E-4	1.7E-2
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-oxygen lyase activity	RT		17	2.8E-4	2.8E-2
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridylate synthase activity	RT		6	1.9E-3	1.0E-1
	Annotation Cluster 25	Enrichment Score: 3.54	G				
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT		69	1.6E-6	4.1E-5
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT		69	2.0E-6	5.2E-5





























<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT					94	2.3E-6	5.6E-5
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT					39	2.1E-3	3.0E-2
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT					47	5.7E-3	7.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT					41	6.6E-3	8.1E-2
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT					38	9.3E-3	1.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT					35	9.9E-3	1.1E-1
	Annotation Cluster 26	Enrichment Score: 3.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA replication initiation	RT					13	4.9E-9	1.1E-6
<input type="checkbox"/>	SMART	MCM	RT					7	3.8E-6	5.7E-4
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:MCM	RT					7	7.9E-6	1.6E-2
<input type="checkbox"/>	INTERPRO	MCM	RT					7	1.1E-5	9.3E-3
<input type="checkbox"/>	INTERPRO	Nucleic acid-binding, OB-fold	RT					14	1.9E-4	8.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-dependent ATPase activity	RT					12	2.6E-4	2.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA replication initiation	RT					5	3.3E-4	7.0E-3
<input type="checkbox"/>	GOTERM_MF_ALL	single-stranded DNA binding	RT					10	1.8E-3	9.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	DNA duplex unwinding	RT					6	4.9E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA geometric change	RT					6	4.9E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA unwinding during replication	RT					6	4.9E-3	1.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	heterohexamer	RT					3	2.4E-2	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA helicase activity	RT					4	3.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc finger	RT					7	7.5E-1	1.0E0
	Annotation Cluster 27	Enrichment Score: 3.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT					46	2.0E-5	2.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT					36	3.0E-4	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT					46	4.2E-4	2.4E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA damage	RT					26	1.1E-3	1.9E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT					23	3.4E-3	5.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT					102	3.5E-3	1.4E-1
	Annotation Cluster 28	Enrichment Score: 3.2	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound biosynthetic process	RT					22	2.2E-4	1.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amine biosynthetic process	RT					18	3.4E-4	2.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid biosynthetic process	RT					12	3.5E-3	1.4E-1
	Annotation Cluster 29	Enrichment Score: 3.19	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT					23	1.0E-5	1.1E-3
<input type="checkbox"/>	GOTERM_MF_ALL	translation initiation factor activity	RT					18	1.1E-3	7.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	initiation factor	RT					16	1.1E-3	1.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT					14	1.4E-3	6.7E-2
<input type="checkbox"/>	GOTERM_MF_ALL	translation factor activity, nucleic acid binding	RT					23	1.5E-3	9.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	translation regulator activity	RT					23	2.9E-3	1.4E-1
	Annotation Cluster 30	Enrichment Score: 3.17	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT					25	2.2E-4	1.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT					25	2.5E-4	1.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT					40	4.8E-4	2.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT					19	5.0E-4	2.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT					16	1.8E-3	8.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT					15	3.8E-3	1.4E-1
	Annotation Cluster 31	Enrichment Score: 3.17	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome segregation	RT					22	1.8E-8	3.5E-6
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic sister chromatid segregation	RT					9	8.0E-4	4.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	sister chromatid segregation	RT					9	1.1E-3	5.4E-2

<input type="checkbox"/>	GOTERM_BP_ALL	mitotic chromosome condensation	RT					6	9.8E-3	2.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome condensation	RT					7	1.1E-2	2.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna condensation	RT					4	5.7E-2	4.3E-1
	Annotation Cluster 32	Enrichment Score: 3.11	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrion	RT					122	1.0E-5	2.1E-4
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT					47	5.7E-3	7.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT					76	8.2E-3	1.1E-1
	Annotation Cluster 33	Enrichment Score: 2.98	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide binding	RT					20	1.5E-4	3.5E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	P-loop	RT					20	1.8E-4	4.0E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP binding	RT					9	4.0E-2	3.4E-1
	Annotation Cluster 34	Enrichment Score: 2.89	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT					60	7.5E-8	2.5E-6
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT					41	6.3E-7	1.8E-5
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT					82	4.4E-6	9.9E-5
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT					40	5.4E-6	6.7E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	microtubule	RT					28	4.3E-4	8.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT					20	3.1E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT					22	3.8E-3	1.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT					66	3.9E-3	1.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT					104	4.3E-3	5.6E-2
<input type="checkbox"/>	SMART	KISc	RT					9	4.7E-3	2.7E-1
<input type="checkbox"/>	INTERPRO	Kinesin, motor region	RT					9	1.4E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	microtubule motor activity	RT					13	3.0E-2	6.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	motor protein	RT					15	4.2E-2	3.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	kinesin complex	RT					6	1.7E-1	7.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	motor activity	RT					17	2.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule associated complex	RT					13	2.1E-1	7.5E-1
	Annotation Cluster 35	Enrichment Score: 2.77	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT					51	5.3E-4	2.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT					60	1.0E-3	5.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT					41	1.2E-3	5.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT					55	2.1E-3	9.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT					67	4.0E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT					67	4.2E-3	1.5E-1
	Annotation Cluster 36	Enrichment Score: 2.69	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	snoRNA binding	RT					6	2.8E-4	2.7E-2
<input type="checkbox"/>	GOTERM_CC_ALL	small nucleolar ribonucleoprotein complex	RT					7	2.0E-3	2.9E-2
<input type="checkbox"/>	GOTERM_CC_ALL	nucleolar part	RT					9	1.6E-2	1.6E-1
	Annotation Cluster 37	Enrichment Score: 2.55	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 1	RT					15	3.2E-4	3.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 2	RT					15	3.2E-4	3.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 3	RT					5	2.1E-1	1.0E0
	Annotation Cluster 38	Enrichment Score: 2.5	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Chaperonin Cpn60	RT					6	9.3E-4	2.9E-1
<input type="checkbox"/>	INTERPRO	Chaperonin TCP-1	RT					6	1.6E-3	4.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chaperonin-containing T-complex	RT					5	3.5E-3	4.7E-2
<input type="checkbox"/>	PIRSUPERFAMILY	PIRSF002584:molecular chaperone t-complex-type	RT					6	3.6E-3	9.4E-1
<input type="checkbox"/>	INTERPRO	Chaperonin Cpn60/TCP-1	RT					5	1.7E-2	9.5E-1

Annotation Cluster 39		Enrichment Score: 2.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT		43	7.7E-5	1.9E-3
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		50	2.3E-3	1.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		21	2.2E-1	9.9E-1
Annotation Cluster 40		Enrichment Score: 2.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT		13	5.7E-5	8.0E-3
<input type="checkbox"/>	BIOCARTA	E2F1 Destruction Pathway	RT		6	3.1E-3	1.4E-1
<input type="checkbox"/>	BIOCARTA	Regulation of p27 Phosphorylation during Cell Cycle Progression	RT		6	9.0E-3	3.1E-1
<input type="checkbox"/>	BIOCARTA	Cyclin E Destruction Pathway	RT		5	1.3E-2	3.8E-1
<input type="checkbox"/>	BIOCARTA	Influence of Ras and Rho proteins on G1 to S Transition	RT		9	2.4E-2	4.9E-1
Annotation Cluster 41		Enrichment Score: 2.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring one-carbon groups	RT		31	2.1E-4	2.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	methyltransferase activity	RT		30	3.4E-4	2.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	methyltransferase	RT		21	4.0E-3	5.6E-2
<input type="checkbox"/>	GOTERM_MF_ALL	S-adenosylmethionine-dependent methyltransferase activity	RT		13	3.6E-2	6.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	s-adenosyl-l-methionine	RT		11	1.0E-1	5.8E-1
Annotation Cluster 42		Enrichment Score: 2.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-3	RT		4	4.1E-3	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-2	RT		4	4.1E-3	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-1	RT		4	4.1E-3	9.6E-1
Annotation Cluster 43		Enrichment Score: 2.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT		30	7.6E-5	1.0E-2
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT		49	1.4E-3	9.2E-2
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT		49	1.4E-3	9.2E-2
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT		48	1.7E-3	9.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT		39	7.4E-3	1.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT		29	6.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT		17	2.0E-1	1.0E0
Annotation Cluster 44		Enrichment Score: 2.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Thioredoxin 1	RT		6	2.1E-4	2.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Thioredoxin 2	RT		6	2.1E-4	2.4E-1
<input type="checkbox"/>	INTERPRO	Disulphide isomerase	RT		5	2.8E-4	1.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Prevents secretion from ER	RT		12	1.2E-3	6.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	redox-active center	RT		11	1.5E-3	2.4E-2
<input type="checkbox"/>	INTERPRO	Thioredoxin domain	RT		8	2.9E-3	5.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	intramolecular oxidoreductase activity	RT		12	2.9E-3	1.4E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001487:protein disulfide-isomerase	RT		5	3.4E-3	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein disulfide isomerase activity	RT		5	3.6E-3	1.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	site:Contributes to redox potential value	RT		4	4.1E-3	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell redox homeostasis	RT		12	7.9E-3	2.3E-1
<input type="checkbox"/>	INTERPRO	Thioredoxin-related	RT		8	9.4E-3	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Thioredoxin 3	RT		3	3.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Endoplasmic reticulum targeting sequence	RT		10	4.1E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	electron carrier activity	RT		25	8.0E-2	8.7E-1
<input type="checkbox"/>	INTERPRO	Thioredoxin fold	RT		11	1.6E-1	1.0E0
Annotation Cluster 45		Enrichment Score: 2.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic cell cycle	RT		17	2.1E-3	9.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis	RT		16	4.8E-3	1.6E-1

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>		M phase of meiotic cell cycle	RT		16	4.8E-3	1.6E-1
<input type="checkbox"/>		meiosis I	RT		8	1.3E-2	3.3E-1
	Annotation Cluster 46	Enrichment Score: 2.25	G		Count	P_Value	Benjamini
<input type="checkbox"/>		replication fork	RT		12	6.8E-6	1.5E-4
<input type="checkbox"/>		replisome	RT		5	1.3E-2	1.4E-1
<input type="checkbox"/>		nuclear replication fork	RT		5	1.3E-2	1.4E-1
<input type="checkbox"/>		nuclear replisome	RT		5	1.3E-2	1.4E-1
<input type="checkbox"/>		alpha DNA polymerase:primase complex	RT		3	4.3E-2	3.1E-1
<input type="checkbox"/>		DNA primase activity	RT		3	4.4E-2	7.5E-1
	Annotation Cluster 47	Enrichment Score: 2.25	G		Count	P_Value	Benjamini
<input type="checkbox"/>		nucleotidyltransferase activity	RT		23	8.7E-4	6.3E-2
<input type="checkbox"/>		DNA-directed RNA polymerase activity	RT		11	1.8E-3	9.9E-2
<input type="checkbox"/>		dna-directed rna polymerase	RT		10	2.3E-3	3.7E-2
<input type="checkbox"/>		RNA polymerase	RT		5	2.9E-1	8.3E-1
	Annotation Cluster 48	Enrichment Score: 2.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>		pseudouridylate synthase activity	RT		6	1.9E-3	1.0E-1
<input type="checkbox"/>		tRNA processing	RT		12	1.2E-2	3.2E-1
<input type="checkbox"/>		trna processing	RT		9	2.4E-2	2.5E-1
	Annotation Cluster 49	Enrichment Score: 2.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>		Transcription factor E2F/dimerisation partner (TDP)	RT		7	1.5E-4	7.5E-2
<input type="checkbox"/>		E2F Family	RT		6	2.4E-4	9.4E-2
<input type="checkbox"/>		short sequence motif:DEF box	RT		4	9.5E-3	1.0E0
<input type="checkbox"/>		region of interest:Cyclin A/CDK2 binding	RT		3	3.0E-2	1.0E0
<input type="checkbox"/>		PIRSF019596:transcription factor E2F	RT		3	5.9E-2	1.0E0
<input type="checkbox"/>		region of interest:Dimerization	RT		4	7.7E-2	1.0E0
<input type="checkbox"/>		region of interest:Transactivation	RT		3	8.7E-2	1.0E0
	Annotation Cluster 50	Enrichment Score: 2	G		Count	P_Value	Benjamini
<input type="checkbox"/>		protein polymerization	RT		15	8.8E-5	6.8E-3
<input type="checkbox"/>		Cytoskeleton	RT		13	4.3E-4	1.7E-2
<input type="checkbox"/>		PIRSF002306:tubulin	RT		8	1.7E-3	9.3E-1
<input type="checkbox"/>		Tubulin/FtsZ, GTPase	RT		6	7.6E-3	8.4E-1
<input type="checkbox"/>		Tubulin/FtsZ, C-terminal	RT		6	7.6E-3	8.4E-1
<input type="checkbox"/>		Tubulin	RT		6	3.3E-2	9.8E-1
<input type="checkbox"/>		Alpha tubulin	RT		3	9.2E-2	1.0E0
<input type="checkbox"/>		Gap junction	RT		14	2.0E-1	7.9E-1
<input type="checkbox"/>		structural constituent of cytoskeleton	RT		9	4.8E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 1.96	G		Count	P_Value	Benjamini
<input type="checkbox"/>		heterocycle metabolic process	RT		18	1.8E-3	8.2E-2
<input type="checkbox"/>		nucleobase metabolic process	RT		7	4.7E-3	1.6E-1
<input type="checkbox"/>		aromatic compound metabolic process	RT		17	1.5E-1	9.2E-1
	Annotation Cluster 52	Enrichment Score: 1.94	G		Count	P_Value	Benjamini
<input type="checkbox"/>		macromolecule metabolic process	RT		628	9.7E-6	1.1E-3
<input type="checkbox"/>		protein metabolic process	RT		346	6.8E-5	5.5E-3
<input type="checkbox"/>		cellular protein metabolic process	RT		329	1.6E-4	1.1E-2
<input type="checkbox"/>		cellular macromolecule metabolic process	RT		329	4.7E-4	2.7E-2
<input type="checkbox"/>		biopolymer modification	RT		158	4.6E-1	1.0E0
<input type="checkbox"/>		protein modification process	RT		148	6.0E-1	1.0E0
<input type="checkbox"/>		phosphate metabolic process	RT		80	6.1E-1	1.0E0
<input type="checkbox"/>		phosphorus metabolic process	RT		80	6.1E-1	1.0E0
<input type="checkbox"/>		post-translational protein modification	RT		126	7.0E-1	1.0E0

Annotation Cluster 53		Enrichment Score: 1.93	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase (ATP-hydrolyzing) activity	RT		5	6.1E-3	2.5E-1
<input type="checkbox"/>	SMART	HATPase_c	RT		6	8.1E-3	3.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase activity	RT		5	1.4E-2	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA topological change	RT		5	2.8E-2	5.2E-1
Annotation Cluster 54		Enrichment Score: 1.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Role of Ran in mitotic spindle regulation	RT		8	1.3E-4	9.2E-3
<input type="checkbox"/>	BIOCARTA	Cycling of Ran in nucleocytoplasmic transport	RT		4	3.4E-2	5.9E-1
<input type="checkbox"/>	BIOCARTA	Sumoylation by RanBP2 Regulates Transcriptional Repression	RT		3	4.4E-1	9.6E-1
Annotation Cluster 55		Enrichment Score: 1.82	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Rotamase	RT		10	2.9E-3	4.5E-2
<input type="checkbox"/>	GOTERM_MF_ALL	peptidyl-prolyl cis-trans isomerase activity	RT		10	3.5E-3	1.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cis-trans isomerase activity	RT		10	4.3E-3	1.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PIIase cyclophilin-type	RT		5	2.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidyl-prolyl cis-trans isomerase, cyclophilin-type	RT		5	5.7E-2	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001467:peptidylprolyl isomerase	RT		3	1.7E-1	1.0E0
Annotation Cluster 56		Enrichment Score: 1.79	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	release of cytochrome c from mitochondria	RT		8	6.6E-5	5.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic mitochondrial changes	RT		8	4.1E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis by intracellular signals	RT		7	6.5E-2	7.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of fibroblast proliferation	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of fibroblast proliferation	RT		4	1.2E-1	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	fibroblast proliferation	RT		4	1.2E-1	8.7E-1
Annotation Cluster 57		Enrichment Score: 1.74	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrial membrane organization and biogenesis	RT		10	8.9E-5	6.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrial transport	RT		10	1.7E-3	7.6E-2
<input type="checkbox"/>	INTERPRO	Zinc finger, Tim10/DDP-type	RT		4	1.8E-2	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial intermembrane space protein transporter complex	RT		4	2.0E-2	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into mitochondrial inner membrane	RT		4	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial intermembrane space	RT		5	3.2E-2	2.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	inner mitochondrial membrane organization and biogenesis	RT		4	3.2E-2	5.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into mitochondrion	RT		4	6.0E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting to mitochondrion	RT		4	7.7E-2	7.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Twin CX3C motif	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope lumen	RT		5	1.7E-1	6.9E-1
Annotation Cluster 58		Enrichment Score: 1.69	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	compositionally biased region:Arg/Ser-rich (RS domain)	RT		6	1.1E-3	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spliceosome assembly	RT		7	2.5E-2	5.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	RNA splicing factor activity, transesterification mechanism	RT		5	3.3E-2	6.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA splice site selection	RT		5	4.6E-2	6.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	compositionally biased region:Gly-rich (hinge region)	RT		3	8.7E-2	1.0E0
Annotation Cluster 59		Enrichment Score: 1.69	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	centrosome	RT		13	6.7E-3	8.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule organizing center part	RT		6	3.6E-2	2.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule organizing center	RT		13	3.6E-2	2.7E-1













Annotation Cluster 60		Enrichment Score: 1.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Cyclins and Cell Cycle Regulation	RT		13	3.6E-5	1.0E-2
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT		13	5.7E-5	8.0E-3
<input type="checkbox"/>	BIOCARTA	p53 Signaling Pathway	RT		10	9.5E-5	9.0E-3
<input type="checkbox"/>	GOTERM_CC_ALL	cyclin-dependent protein kinase holoenzyme complex	RT		6	2.7E-4	4.7E-3
<input type="checkbox"/>	KEGG_PATHWAY	Bladder cancer	RT		12	1.4E-2	2.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	Small cell lung cancer	RT		19	2.3E-2	2.9E-1
<input type="checkbox"/>	BIOCARTA	Influence of Ras and Rho proteins on G1 to S Transition	RT		9	2.4E-2	4.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT		14	1.1E-1	6.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT		11	1.8E-1	7.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Prostate cancer	RT		15	1.9E-1	7.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT		10	2.1E-1	7.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT		12	2.5E-1	8.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Thyroid cancer	RT		6	2.7E-1	8.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT		10	4.8E-1	9.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT		7	6.0E-1	9.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT		6	8.6E-1	1.0E0
Annotation Cluster 61		Enrichment Score: 1.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase biosynthetic process	RT		5	4.0E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase metabolic process	RT		7	4.7E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine base metabolic process	RT		4	4.5E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	'de novo' pyrimidine base biosynthetic process	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine base biosynthetic process	RT		3	1.0E-1	8.4E-1
Annotation Cluster 62		Enrichment Score: 1.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproductive process	RT		9	6.7E-5	5.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproduction	RT		9	2.7E-4	1.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	viral infectious cycle	RT		7	6.5E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	interaction with host	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	viral genome replication	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	interspecies interaction between organisms	RT		3	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	symbiosis, encompassing mutualism through parasitism	RT		3	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT		17	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT		8	1.0E0	1.0E0
Annotation Cluster 63		Enrichment Score: 1.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cell cortex	RT		12	8.0E-3	9.6E-2
<input type="checkbox"/>	GOTERM_CC_ALL	cortical cytoskeleton	RT		7	1.1E-2	1.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell cortex part	RT		9	1.3E-2	1.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell division site part	RT		4	2.9E-2	2.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell division site	RT		4	2.9E-2	2.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	contractile ring	RT		3	6.8E-2	4.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cortical actin cytoskeleton	RT		4	1.1E-1	5.5E-1
Annotation Cluster 64		Enrichment Score: 1.57	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT		44	2.6E-6	3.5E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT		39	4.2E-5	3.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide biosynthetic process	RT		30	4.7E-5	4.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide biosynthetic process	RT		20	1.2E-4	8.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide metabolic process	RT		21	2.1E-4	1.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide metabolic process	RT		20	4.4E-4	2.5E-2

<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex, catalytic domain	RT		6	5.5E-4	9.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide biosynthetic process	RT		18	6.6E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate metabolic process	RT		17	1.0E-3	5.0E-2
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex, catalytic core F(1)	RT		5	3.5E-3	4.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate biosynthetic process	RT		14	4.4E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide biosynthetic process	RT		15	5.0E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide metabolic process	RT		16	5.5E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT		14	5.9E-3	1.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cf(1)	RT		4	1.3E-2	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT		27	1.5E-2	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate biosynthetic process	RT		12	1.8E-2	4.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		31	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolic process	RT		12	2.8E-2	5.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex	RT		6	3.0E-2	2.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate metabolic process	RT		12	3.5E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate biosynthetic process	RT		11	3.8E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate biosynthetic process	RT		11	3.8E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		16	4.0E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT		18	4.0E-2	6.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrogen ion transport	RT		9	4.5E-2	3.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP synthesis	RT		6	8.5E-2	5.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		20	9.3E-2	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		20	9.3E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ATP synthesis coupled proton transport	RT		8	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ATP metabolic process	RT		9	1.1E-1	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATP synthase activity, rotational mechanism	RT		8	1.2E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATPase activity, rotational mechanism	RT		8	1.4E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proton transport	RT		11	1.4E-1	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cation-transporting ATPase activity	RT		9	1.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ATP biosynthetic process	RT		8	1.5E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside phosphate metabolic process	RT		8	1.5E-1	9.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex	RT		8	1.6E-1	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen transport	RT		11	1.9E-1	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Oxidative phosphorylation	RT		17	2.6E-1	8.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		17	2.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	oxidative phosphorylation	RT		8	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		15	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		15	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		35	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		11	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transmembrane transporter activity	RT		12	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane	RT		15	4.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	movement of substances								
<input type="checkbox"/>	GOTERM_MF_ALL	monovalent inorganic cation transmembrane transporter activity	RT				12	4.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen-exporting ATPase activity, phosphorylative mechanism	RT				3	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT				6	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT				17	1.0E0	1.0E0	
	Annotation Cluster 65	Enrichment Score: 1.54	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	KEGG_PATHWAY	One carbon pool by folate	RT				10	1.6E-5	8.3E-4	
<input type="checkbox"/>	SP_PIR_KEYWORDS	one-carbon metabolism	RT				7	9.5E-4	1.8E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid biosynthetic process	RT				12	3.5E-3	1.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	folic acid and derivative biosynthetic process	RT				5	4.0E-3	1.5E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines	RT				8	7.4E-3	2.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors, NAD or NADP as acceptor	RT				6	8.8E-3	3.2E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	amino-acid biosynthesis	RT				7	9.8E-3	1.3E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Glyoxylate and dicarboxylate metabolism	RT				6	2.1E-2	2.9E-1	
<input type="checkbox"/>	INTERPRO	Tetrahydrofolate dehydrogenase/cyclohydrolase	RT				3	2.2E-2	9.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	methenyltetrahydrofolate cyclohydrolase activity	RT				3	2.4E-2	5.8E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	methylenetetrahydrofolate dehydrogenase (NADP+) activity	RT				3	2.4E-2	5.8E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	methylenetetrahydrofolate dehydrogenase activity	RT				3	2.4E-2	5.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	folic acid and derivative metabolic process	RT				5	2.8E-2	5.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	methionine biosynthetic process	RT				4	4.5E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	methionine metabolic process	RT				4	4.5E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine family amino acid biosynthetic process	RT				3	4.7E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine biosynthetic process	RT				3	4.7E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid biosynthetic process	RT				5	5.7E-2	7.2E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors	RT				6	7.3E-2	8.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid metabolic process	RT				5	8.2E-2	7.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur amino acid biosynthetic process	RT				4	1.2E-1	8.7E-1	
<input type="checkbox"/>	COG_ONTOLOGY	Coenzyme metabolism	RT				7	1.6E-1	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine family amino acid metabolic process	RT				4	1.6E-1	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine metabolic process	RT				4	1.6E-1	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur amino acid metabolic process	RT				4	2.6E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur compound biosynthetic process	RT				5	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur metabolic process	RT				7	7.9E-1	1.0E0	
	Annotation Cluster 66	Enrichment Score: 1.52	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of DNA replication	RT				5	6.6E-3	2.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of DNA replication	RT				6	9.8E-3	2.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of DNA metabolic process	RT				5	4.6E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA integrity checkpoint	RT				6	7.9E-2	7.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of DNA metabolic process	RT				6	1.0E-1	8.4E-1	
	Annotation Cluster 67	Enrichment Score: 1.51	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase metabolic process	RT				7	4.7E-3	1.6E-1	
<input type="checkbox"/>	INTERPRO	Phosphoribosyltransferase	RT				4	6.7E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Purine/pyrimidine phosphoribosyl	RT				2	0.2E-2	1.0E0	

					Count	P_Value	Benjamini
	transferase				3	3.2E-2	1.0E0
Annotation Cluster 68 Enrichment Score: 1.48 G							
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotidyltransferase activity	RT		23	8.7E-4	6.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-directed DNA polymerase activity	RT		8	1.4E-2	4.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	DNA polymerase	RT		8	1.8E-2	2.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleotidyltransferase	RT		13	2.8E-2	2.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA-directed DNA polymerase	RT		6	3.2E-2	2.9E-1
<input type="checkbox"/>	INTERPRO	DNA polymerase, B region	RT		3	4.2E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	DNA polymerase B, exonuclease	RT		3	4.2E-2	9.9E-1
<input type="checkbox"/>	SMART	POLBc	RT		3	6.6E-2	9.1E-1
<input type="checkbox"/>	INTERPRO	DNA-directed DNA polymerase B	RT		3	9.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C4-type	RT		8	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	3'-5' exonuclease activity	RT		5	1.9E-1	9.8E-1
Annotation Cluster 69 Enrichment Score: 1.47 G							
<input type="checkbox"/>	INTERPRO	Heat shock protein Hsp70	RT		5	1.7E-2	9.5E-1
<input type="checkbox"/>	INTERPRO	Heat shock protein 70	RT		5	2.3E-2	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	stress response	RT		9	5.7E-2	4.3E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002581:chaperone HSP70	RT		4	6.2E-2	1.0E0
Annotation Cluster 70 Enrichment Score: 1.46 G							
<input type="checkbox"/>	SMART	HELICc	RT		16	1.2E-3	1.1E-1
<input type="checkbox"/>	SMART	DEXDc	RT		17	1.8E-3	1.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	helicase activity	RT		24	3.2E-3	1.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	helicase	RT		19	1.4E-2	1.6E-1
<input type="checkbox"/>	INTERPRO	RNA helicase, DEAD-box type, Q motif	RT		8	1.7E-2	9.6E-1
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, C-terminal	RT		14	2.1E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	DEAD-like helicase, N-terminal	RT		14	4.2E-2	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase ATP-binding	RT		11	4.4E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Helicase, superfamily 1 and 2, ATP-binding	RT		13	5.6E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, DEAD/DEAH box type, N-terminal	RT		9	5.8E-2	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase C-terminal	RT		10	7.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP-dependent helicase activity	RT		15	8.2E-2	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Q motif	RT		6	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	RNA helicase, ATP-dependent, DEAD-box type	RT		5	2.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SNF2-related	RT		5	2.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:DEAD box	RT		4	4.6E-1	1.0E0
Annotation Cluster 71 Enrichment Score: 1.43 G							
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-CH group of donors, NAD or NADP as acceptor	RT		7	1.4E-3	8.9E-2
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-CH group of donors	RT		8	8.5E-2	8.8E-1
<input type="checkbox"/>	INTERPRO	Alcohol dehydrogenase, zinc-binding	RT		3	4.2E-1	1.0E0
Annotation Cluster 72 Enrichment Score: 1.42 G							
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:GST-like	RT		3	3.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Glutathione S-transferase, C-terminal-like	RT		6	3.3E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Glutathione S-transferase, C-terminal	RT		6	5.5E-2	9.9E-1
Annotation Cluster 73 Enrichment Score: 1.41 G							
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide metabolic process	RT		6	4.9E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside diphosphate metabolic process	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside diphosphate metabolic process	RT		4	1.6E-1	9.3E-1
Annotation Cluster 74 Enrichment Score: 1.4 G							

<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid metabolic process	RT		9	1.9E-2	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine metabolic process	RT		6	2.8E-2	5.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Glutamine amidotransferase	RT		4	5.7E-2	4.3E-1
<input type="checkbox"/>	INTERPRO	Glutamine amidotransferase, class-II	RT		4	8.3E-2	1.0E0
	Annotation Cluster 75	Enrichment Score: 1.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleotide biosynthetic process	RT		10	5.7E-5	4.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleotide metabolic process	RT		11	6.7E-5	5.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside triphosphate metabolic process	RT		7	3.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleobase, nucleoside, nucleotide kinase activity	RT		9	2.3E-2	5.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleotide biosynthetic process	RT		5	2.8E-2	5.2E-1
<input type="checkbox"/>	SMART	NDK	RT		4	3.2E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleotide metabolic process	RT		5	3.6E-2	5.9E-1
<input type="checkbox"/>	INTERPRO	Nucleoside diphosphate kinase, core	RT		4	5.2E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, phosphate group as acceptor	RT		7	5.9E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	CTP biosynthetic process	RT		4	7.7E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	CTP metabolic process	RT		4	7.7E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleoside triphosphate metabolic process	RT		4	7.7E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleoside triphosphate biosynthetic process	RT		4	7.7E-2	7.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Pros-phosphohistidine intermediate	RT		3	1.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleotide metabolism	RT		4	2.3E-1	8.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside diphosphate kinase activity	RT		3	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	UTP metabolic process	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	UTP biosynthetic process	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	GTP metabolic process	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	GTP biosynthetic process	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide kinase activity	RT		3	5.0E-1	1.0E0
	Annotation Cluster 76	Enrichment Score: 1.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	glucose catabolic process	RT		14	5.1E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide catabolic process	RT		14	5.9E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hexose catabolic process	RT		14	5.9E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol catabolic process	RT		14	7.7E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycolysis	RT		12	1.2E-2	3.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate catabolic process	RT		14	2.9E-2	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		22	4.1E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate catabolic process	RT		14	4.2E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		22	4.7E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		17	5.9E-2	7.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycolysis	RT		8	8.7E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		31	2.7E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	gluconeogenesis	RT		3	3.0E-1	9.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycolysis / Gluconeogenesis	RT		8	4.9E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		40	5.1E-1	1.0E0
	Annotation Cluster 77	Enrichment Score: 1.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	heterochromatin	RT		11	2.0E-3	2.9E-2
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear heterochromatin	RT		5	1.5E-1	6.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromatin	RT		5	2.9E-1	8.3E-1

Annotation Cluster 78		Enrichment Score: 1.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	one-carbon compound metabolic process	RT		23	2.6E-5	2.6E-3
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT		11	2.7E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT		11	3.8E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA alkylation	RT		5	1.5E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA methylation	RT		5	1.5E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA modification	RT		5	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression, epigenetic	RT		8	2.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gene silencing	RT		5	4.4E-1	1.0E0
Annotation Cluster 79		Enrichment Score: 1.32	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	stress-induced protein	RT		5	3.7E-3	5.3E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	heat shock	RT		5	3.7E-3	5.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to protein stimulus	RT		15	4.4E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to unfolded protein	RT		15	4.4E-3	1.6E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002583:heat shock protein, HSP90/HTPG types	RT		4	4.4E-3	9.4E-1
<input type="checkbox"/>	SMART	HATPase_c	RT		6	8.1E-3	3.6E-1
<input type="checkbox"/>	INTERPRO	Heat shock protein Hsp90	RT		4	1.1E-2	9.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	estrogen-induced protein	RT		3	2.4E-2	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	TPR domain binding	RT		3	4.4E-2	7.5E-1
<input type="checkbox"/>	INTERPRO	ATP-binding region, ATPase-like	RT		5	4.7E-2	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	stress response	RT		9	5.7E-2	4.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nitric-oxide synthase regulator activity	RT		3	7.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to heat	RT		6	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to temperature stimulus	RT		8	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nitric oxide biosynthetic process	RT		4	1.2E-1	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to chemical stimulus	RT		44	2.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nitric oxide biosynthetic process	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide biosynthetic process	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide metabolic process	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT		20	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biosynthetic process	RT		5	9.1E-1	1.0E0
Annotation Cluster 80		Enrichment Score: 1.32	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside triphosphate metabolic process	RT		7	3.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide metabolic process	RT		6	4.9E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleotide metabolic process	RT		4	3.2E-2	5.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside metabolic process	RT		4	6.0E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleotide biosynthetic process	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleoside triphosphate metabolic process	RT		3	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleoside metabolic process	RT		3	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide biosynthetic process	RT		3	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside metabolic process	RT		3	1.3E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside triphosphate metabolic process	RT		3	1.7E-1	9.3E-1
Annotation Cluster 81		Enrichment Score: 1.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Glyceraldehyde 3-phosphate dehydrogenase	RT		4	1.8E-2	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	glyceraldehyde-3-phosphate dehydrogenase (phosphorylating) activity	RT		4	2.0E-2	5.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	glyceraldehyde-3-phosphate	RT		4	2.0E-2	5.4E-1

<input type="checkbox"/>		dehydrogenase activity	RT				7	2.0E-2	3.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NAD binding	RT				7	3.8E-2	7.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor	RT				6	1.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors	RT				6	3.2E-1	1.0E0
	Annotation Cluster 82	Enrichment Score: 1.29	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle checkpoint	RT				11	2.1E-3	9.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mitosis	RT				10	1.9E-2	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction	RT				9	3.5E-2	5.8E-1
<input type="checkbox"/>	BIOCARTA	RB Tumor Suppressor/Checkpoint Signaling in response to DNA damage	RT				5	4.6E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA integrity checkpoint	RT				6	7.9E-2	7.8E-1
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT				6	1.6E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle checkpoint	RT				5	1.6E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage checkpoint	RT				4	3.4E-1	9.9E-1
	Annotation Cluster 83	Enrichment Score: 1.29	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cortical cytoskeleton	RT				7	1.1E-2	1.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	filamentous actin	RT				4	5.5E-2	3.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	actin filament	RT				5	2.2E-1	7.7E-1
	Annotation Cluster 84	Enrichment Score: 1.27	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	L-serine metabolic process	RT				4	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	serine family amino acid metabolic process	RT				6	2.8E-2	5.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycine, serine and threonine metabolism	RT				8	2.6E-1	8.1E-1
	Annotation Cluster 85	Enrichment Score: 1.26	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane presequence translocase complex	RT				4	2.9E-2	2.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial intermembrane space	RT				5	3.2E-2	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	macromolecule transmembrane transporter activity	RT				5	3.3E-2	6.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven protein transmembrane transporter activity	RT				5	3.3E-2	6.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein transmembrane transporter activity	RT				5	1.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope lumen	RT				5	1.7E-1	6.9E-1
	Annotation Cluster 86	Enrichment Score: 1.26	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction by p53 class mediator	RT				6	1.7E-2	4.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction	RT				9	3.5E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis by intracellular signals	RT				7	6.5E-2	7.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction resulting in induction of apoptosis	RT				4	2.4E-1	9.7E-1
	Annotation Cluster 87	Enrichment Score: 1.25	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	purine biosynthesis	RT				7	3.4E-4	7.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate biosynthetic process	RT				6	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate metabolic process	RT				6	2.8E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate biosynthetic process	RT				5	5.7E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate metabolic process	RT				5	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside monophosphate biosynthetic process	RT				3	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside monophosphate biosynthetic process	RT				3	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside monophosphate metabolic process	RT				3	3.1E-1	9.9E-1

<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside monophosphate metabolic process	RT					3	3.1E-1	9.9E-1
	Annotation Cluster 88	Enrichment Score: 1.24	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CH 2	RT					7	1.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CH 1	RT					7	1.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Actin-binding, actinin-type	RT					6	7.4E-2	1.0E0
<input type="checkbox"/>	SMART	CH	RT					9	8.3E-2	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Actin-binding	RT					4	1.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Calponin-like actin-binding	RT					9	1.8E-1	1.0E0
	Annotation Cluster 89	Enrichment Score: 1.24	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT					76	8.2E-3	1.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	transit peptide:Mitochondrion	RT					34	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transit peptide	RT					41	1.8E-1	7.7E-1
	Annotation Cluster 90	Enrichment Score: 1.21	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein depolymerization	RT					10	7.4E-3	2.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin polymerization and/or depolymerization	RT					10	1.0E-2	2.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin cytoskeleton organization and biogenesis	RT					10	1.2E-2	3.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament length	RT					10	1.2E-2	3.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component size	RT					10	1.4E-2	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT					11	1.6E-2	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytoskeleton organization and biogenesis	RT					10	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of organelle organization and biogenesis	RT					10	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament depolymerization	RT					7	2.5E-2	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament depolymerization	RT					7	2.5E-2	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT					9	3.5E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT					13	3.5E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament capping	RT					6	5.9E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of actin filament depolymerization	RT					6	5.9E-2	7.2E-1
<input type="checkbox"/>	SMART	GEL	RT					3	1.1E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	Gelsolin region	RT					4	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	barbed-end actin filament capping	RT					5	1.5E-1	9.1E-1
<input type="checkbox"/>	INTERPRO	Gelsolin	RT					3	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament polymerization	RT					5	1.8E-1	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Gelsolin-like 1	RT					3	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Gelsolin-like 2	RT					3	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Gelsolin-like 3	RT					3	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT					12	2.0E-1	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin capping	RT					4	2.3E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT					22	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT					23	3.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT					30	3.3E-1	9.9E-1
	Annotation Cluster 91	Enrichment Score: 1.16	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of organelle localization	RT					8	1.3E-2	3.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organelle localization	RT					9	2.3E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of chromosome localization	RT					3	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome localization	RT					3	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of progression through	RT					2	5.1E-1	1.0E0

					Count	P_Value	Benjamini
	cell cycle		G		5	3.1E-1	1.0E0
Annotation Cluster 92 Enrichment Score: 1.14							
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis I	RT		8	1.3E-2	3.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic prophase I	RT		3	1.7E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	prophase	RT		3	1.7E-1	9.3E-1
Annotation Cluster 93 Enrichment Score: 1.13							
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid metabolic process	RT		9	1.9E-2	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proline biosynthetic process	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proline metabolic process	RT		3	1.3E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid biosynthetic process	RT		4	1.6E-1	9.3E-1
Annotation Cluster 94 Enrichment Score: 1.13							
<input type="checkbox"/>	SMART	Sm	RT		6	1.0E-2	4.1E-1
<input type="checkbox"/>	INTERPRO	Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core	RT		6	2.2E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	Like-Sm ribonucleoprotein, core	RT		6	2.7E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process	RT		6	1.8E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	RNA catabolic process	RT		6	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process, nonsense-mediated decay	RT		3	5.7E-1	1.0E0
Annotation Cluster 95 Enrichment Score: 1.12							
<input type="checkbox"/>	GOTERM_MF_ALL	nucleobase, nucleoside, nucleotide kinase activity	RT		9	2.3E-2	5.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	deoxynucleoside kinase activity	RT		3	7.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside kinase activity	RT		3	2.7E-1	9.9E-1
Annotation Cluster 96 Enrichment Score: 1.12							
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT		26	1.8E-2	2.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT		34	5.6E-2	8.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	actin cytoskeleton	RT		27	7.1E-2	4.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT		45	7.8E-2	8.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoskeleton	RT		30	4.5E-1	9.6E-1
Annotation Cluster 97 Enrichment Score: 1.11							
<input type="checkbox"/>	KEGG_PATHWAY	Selenoamino acid metabolism	RT		10	3.6E-3	9.0E-2
<input type="checkbox"/>	KEGG_PATHWAY	Aminophosphonate metabolism	RT		7	4.2E-3	9.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT		11	2.7E-2	5.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Naphthalene and anthracene degradation	RT		6	3.6E-2	3.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	S-adenosylmethionine-dependent methyltransferase activity	RT		13	3.6E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT		11	3.8E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-arginine methylation	RT		3	4.7E-2	6.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Tyrosine metabolism	RT		11	5.7E-2	4.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Histidine metabolism	RT		9	6.7E-2	4.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	arginine N-methyltransferase activity	RT		3	7.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein-arginine N-methyltransferase activity	RT		3	7.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	histone-arginine N-methyltransferase activity	RT		3	7.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-arginine modification	RT		3	7.3E-2	7.7E-1
<input type="checkbox"/>	PIRS_SUPERFAMILY	PIRSF037127:type 1 arginine N-methyltransferase	RT		3	9.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:S-adenosyl-L-methionine	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid methylation	RT		6	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid alkylation	RT		6	2.1E-1	9.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Tryptophan metabolism	RT		9	2.3E-1	7.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	histone methyltransferase activity	RT		5	2.3E-1	9.9E-1

<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:S-adenosyl-L-methionine; via carbonyl oxygen	RT				3	2.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein methyltransferase activity	RT				6	2.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	N-methyltransferase activity	RT				6	3.0E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Androgen and estrogen metabolism	RT				8	3.6E-1	8.8E-1	
	Annotation Cluster 98	Enrichment Score: 1.07	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	release of cytochrome c from mitochondria	RT				8	6.6E-5	5.5E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrial membrane organization and biogenesis	RT				10	8.9E-5	6.7E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrion organization and biogenesis	RT				17	2.4E-3	1.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic mitochondrial changes	RT				8	4.1E-3	1.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	caspase activation via cytochrome c	RT				4	7.2E-3	2.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of caspase activity	RT				10	1.7E-2	4.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic program	RT				12	2.3E-2	4.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	caspase activation	RT				7	3.0E-2	5.4E-1	
<input type="checkbox"/>	BIOCARTA	Apoptotic Signaling in Response to DNA Damage	RT				7	3.9E-2	6.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of caspase activity	RT				7	5.7E-2	7.2E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif: BH1	RT				4	5.8E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif: BH2	RT				4	7.7E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	BCL2-like apoptosis inhibitor	RT				4	1.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mitochondrial membrane potential	RT				3	1.3E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of hydrolase activity	RT				7	1.7E-1	9.3E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif: BH3	RT				4	1.7E-1	1.0E0	
<input type="checkbox"/>	BIOCARTA	Caspase Cascade in Apoptosis	RT				6	1.8E-1	9.2E-1	
<input type="checkbox"/>	SMART	BCL	RT				4	2.0E-1	9.9E-1	
<input type="checkbox"/>	BIOCARTA	Stress Induction of HSP Regulation	RT				4	2.4E-1	9.1E-1	
<input type="checkbox"/>	INTERPRO	Apoptosis regulator Bcl-2, BH	RT				4	2.6E-1	1.0E0	
<input type="checkbox"/>	BIOCARTA	Role of Mitochondria in Apoptotic Signaling	RT				5	3.3E-1	9.5E-1	
<input type="checkbox"/>	BIOCARTA	Telomeres, Telomerase, Cellular Aging, and Immortality	RT				4	4.3E-1	9.7E-1	
<input type="checkbox"/>	BIOCARTA	HIV-1 Nef	RT				8	5.9E-1	9.7E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Amyotrophic lateral sclerosis (ALS)	RT				3	6.8E-1	9.7E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Neurodegenerative Diseases	RT				5	6.8E-1	9.7E-1	
<input type="checkbox"/>	BIOCARTA	Induction of apoptosis through DR3 and DR4/5 Death Receptors	RT				4	7.6E-1	9.9E-1	
<input type="checkbox"/>	BIOCARTA	Ceramide Signaling Pathway	RT				3	8.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT				15	8.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hydrolase activity	RT				11	9.1E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Apoptosis	RT				7	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of membrane potential	RT				3	9.7E-1	1.0E0	
	Annotation Cluster 99	Enrichment Score: 1.06	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridylate synthase activity	RT				6	1.9E-3	1.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA modification	RT				4	4.5E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	pseudouridine synthesis	RT				4	6.0E-2	7.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	RNA modification	RT				6	6.9E-2	7.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA pseudouridine synthesis	RT				3	7.3E-2	7.7E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	intramolecular transferase activity	RT				5	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	tRNA-pseudouridine synthase activity	RT				3	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridine synthase activity	RT				3	6.4E-1	1.0E0	
	Annotation Cluster 100	Enrichment Score: 1.05	G				Count	P_Value	Benjamini	

<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor binding	RT				4	5.7E-2	8.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hormone receptor binding	RT				6	7.3E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	estrogen receptor binding	RT				3	9.8E-2	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nuclear hormone receptor binding	RT				5	1.5E-1	9.6E-1
	Annotation Cluster 101	Enrichment Score: 1.04	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	virion	RT				6	5.1E-2	3.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	virion part	RT				6	5.1E-2	3.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	viral capsid	RT				5	1.2E-1	5.8E-1
<input type="checkbox"/>	INTERPRO	ENV_polyprotein (coat polyprotein)	RT				3	2.2E-1	1.0E0
	Annotation Cluster 102	Enrichment Score: 1.03	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	pentosyltransferase	RT				3	7.0E-2	4.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	salvage pathway	RT				3	7.0E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside metabolic process	RT				3	1.7E-1	9.3E-1
	Annotation Cluster 103	Enrichment Score: 1.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	STI1	RT				5	2.7E-3	1.9E-1
<input type="checkbox"/>	INTERPRO	Heat shock chaperonin-binding	RT				5	5.3E-3	7.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:UBA 2	RT				3	8.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:UBA 1	RT				3	8.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ubiquitin-like	RT				5	2.1E-1	1.0E0
<input type="checkbox"/>	SMART	UBQ	RT				6	3.2E-1	1.0E0
<input type="checkbox"/>	SMART	UBA	RT				4	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ubiquitin	RT				6	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ubiquitin-associated/translation elongation factor EF1B, N-terminal	RT				5	5.7E-1	1.0E0
	Annotation Cluster 104	Enrichment Score: 1.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase C binding	RT				4	3.0E-2	6.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme binding	RT				27	6.4E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	kinase binding	RT				11	2.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase binding	RT				10	2.1E-1	9.8E-1
	Annotation Cluster 105	Enrichment Score: 1.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 3	RT				4	4.2E-2	1.0E0
<input type="checkbox"/>	SMART	KH	RT				6	7.3E-2	9.2E-1
<input type="checkbox"/>	INTERPRO	K Homology	RT				6	1.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 1	RT				4	1.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 2	RT				4	1.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	K Homology, type 1	RT				6	1.3E-1	1.0E0
	Annotation Cluster 106	Enrichment Score: 1.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT				40	3.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT				42	5.9E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT				55	6.1E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT				20	7.3E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT				20	8.6E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT				20	8.6E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT				20	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT				20	1.1E-1	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT				28	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT				58	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT				21	4.6E-1	1.0E0
	Annotation Cluster 107	Enrichment Score: 1.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	dolichyl-diphosphooligosaccharide-protein	RT				5	2.6E-2	1.6E-1

<input type="checkbox"/>		glycotransferase activity	RT						
<input type="checkbox"/>	GOTERM_MF_ALL	oligosaccharyl transferase activity	RT		5	3.6E-3	1.6E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid N-linked glycosylation via asparagine	RT		5	1.0E-2	2.9E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-asparagine modification	RT		5	1.0E-2	2.9E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring pentosyl groups	RT		10	1.2E-2	4.1E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid N-linked glycosylation	RT		6	6.9E-2	7.6E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	oligosaccharyl transferase complex	RT		3	1.3E-1	6.0E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT		28	1.3E-1	9.4E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT		11	4.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT		10	4.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT		10	4.5E-1	1.0E0		
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT		14	5.1E-1	9.4E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT		18	5.1E-1	9.8E-1		
<input type="checkbox"/>	KEGG_PATHWAY	N-Glycan biosynthesis	RT		6	5.3E-1	9.4E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT		15	5.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT		12	5.5E-1	1.0E0		
	Annotation Cluster 108	Enrichment Score: 0.99	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	interphase	RT		11	4.7E-2	6.5E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	interphase of mitotic cell cycle	RT		11	4.7E-2	6.5E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	S phase	RT		4	9.6E-2	8.3E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	S phase of mitotic cell cycle	RT		4	9.6E-2	8.3E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	G1/S transition of mitotic cell cycle	RT		4	5.5E-1	1.0E0		
	Annotation Cluster 109	Enrichment Score: 0.97	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of localization	RT		6	4.1E-2	6.2E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of cellular localization	RT		4	1.2E-1	8.7E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of protein localization	RT		4	1.2E-1	8.7E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of cellular protein localization	RT		3	2.4E-1	9.7E-1		
	Annotation Cluster 110	Enrichment Score: 0.95	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope-endoplasmic reticulum network	RT		18	1.5E-2	1.6E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum part	RT		19	1.6E-2	1.6E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum membrane	RT		17	2.2E-2	2.0E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	integral to endoplasmic reticulum membrane	RT		6	1.9E-1	7.2E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to endoplasmic reticulum membrane	RT		6	2.8E-1	8.2E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	integral to organelle membrane	RT		6	8.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to organelle membrane	RT		6	8.9E-1	1.0E0		
	Annotation Cluster 111	Enrichment Score: 0.92	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	KEGG_PATHWAY	Polyunsaturated fatty acid biosynthesis	RT		6	3.6E-2	3.8E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	stearoyl-CoA 9-desaturase activity	RT		3	7.0E-2	8.6E-1		
<input type="checkbox"/>	INTERPRO	Fatty acid desaturase, type 1, N-terminal	RT		3	9.2E-2	1.0E0		
<input type="checkbox"/>	INTERPRO	Fatty acid desaturase, type 1	RT		3	1.2E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water	RT		3	1.3E-1	9.4E-1		
<input type="checkbox"/>	KEGG_PATHWAY	PPAR signaling pathway	RT		7	8.7E-1	1.0E0		
	Annotation Cluster 112	Enrichment Score: 0.89	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	heat shock protein binding	RT		11	3.3E-2	6.7E-1		
<input type="checkbox"/>	INTERPRO	Molecular chaperone, heat shock protein, Hsp40, DnaJ	RT		7	6.7E-2	9.9E-1		
<input type="checkbox"/>	SMART	DnaJ	RT		7	1.0E-1	9.5E-1		

<input type="checkbox"/>	INTERPRO	Heat shock protein DnaJ, N-terminal	RT					7	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Heat shock protein DnaJ	RT					4	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:J	RT					4	5.4E-1	1.0E0
	Annotation Cluster 113	Enrichment Score: 0.87	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	pyridoxal phosphate	RT					12	1.4E-2	1.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:Pyridoxal phosphate (covalent)	RT					8	5.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	vitamin binding	RT					16	8.7E-2	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring nitrogenous groups	RT					7	1.6E-1	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminotransferase	RT					5	1.6E-1	7.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pyridoxal phosphate binding	RT					8	1.6E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transaminase activity	RT					6	2.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Aminotransferase, class I and II	RT					3	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Pyridoxal phosphate-dependent transferase, major region, subdomain 1	RT					4	5.7E-1	1.0E0
	Annotation Cluster 114	Enrichment Score: 0.87	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Cyclin D	RT					4	2.6E-3	5.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Wnt signaling pathway	RT					12	9.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Jak-STAT signaling pathway	RT					8	1.0E0	1.0E0
	Annotation Cluster 115	Enrichment Score: 0.86	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	exonuclease activity	RT					12	1.0E-2	3.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Exonuclease	RT					8	2.8E-2	2.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nuclease activity	RT					20	7.5E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endodeoxyribonuclease activity	RT					3	2.3E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Endonuclease	RT					7	3.3E-1	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclease	RT					9	4.0E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity	RT					10	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	deoxyribonuclease activity	RT					3	4.7E-1	1.0E0
	Annotation Cluster 116	Enrichment Score: 0.86	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of RNA metabolic process	RT					6	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mRNA stability	RT					3	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of RNA stability	RT					3	3.8E-1	1.0E0
	Annotation Cluster 117	Enrichment Score: 0.85	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine biosynthetic process	RT					4	2.2E-2	4.6E-1
<input type="checkbox"/>	INTERPRO	Ornithine decarboxylase	RT					3	4.2E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine metabolic process	RT					5	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine biosynthetic process	RT					6	9.1E-2	8.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Polyamine biosynthesis	RT					3	9.9E-2	5.8E-1
<input type="checkbox"/>	INTERPRO	Orn/DAP/Arg decarboxylase 2	RT					3	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative biosynthetic process	RT					6	1.6E-1	9.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	decarboxylase	RT					5	1.7E-1	7.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carboxy-lyase activity	RT					6	1.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-carbon lyase activity	RT					7	2.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative metabolic process	RT					11	3.8E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Urea cycle and metabolism of amino groups	RT					5	5.0E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine metabolic process	RT					8	5.9E-1	1.0E0
	Annotation Cluster 118	Enrichment Score: 0.85	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	superoxide dismutase activity	RT					4	5.7E-2	8.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on superoxide radicals as acceptor	RT					4	5.7E-2	8.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	copper, zinc superoxide dismutase	RT					2	1.2E-1	9.4E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>		activity	RT		3	1.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	superoxide metabolic process	RT		4	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	oxygen and reactive oxygen species metabolic process	RT		5	4.4E-1	1.0E0
	Annotation Cluster 119	Enrichment Score: 0.84	G				
<input type="checkbox"/>	SMART	TPR	RT		16	8.0E-3	3.8E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT		16	2.5E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR-1	RT		13	4.1E-2	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	TPR repeat	RT		17	5.5E-2	4.2E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT		16	6.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR2	RT		8	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 3	RT		9	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 2	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 1	RT		9	2.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 9	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 8	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 4	RT		6	3.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 7	RT		4	5.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 6	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 5	RT		4	5.9E-1	1.0E0
	Annotation Cluster 120	Enrichment Score: 0.83	G				
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT		18	1.8E-2	4.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		25	1.3E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		24	1.6E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		47	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		46	4.3E-1	1.0E0
	Annotation Cluster 121	Enrichment Score: 0.83	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	proteasome	RT		14	8.2E-4	1.6E-2
<input type="checkbox"/>	KEGG_PATHWAY	Proteasome	RT		8	5.4E-2	4.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proteasome complex (sensu Eukaryota)	RT		6	1.7E-1	7.0E-1
<input type="checkbox"/>	INTERPRO	Peptidase T1A, proteasome beta-subunit	RT		3	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	20S proteasome, A and B subunits	RT		3	5.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Threonine protease	RT		3	5.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proteasome core complex (sensu Eukaryota)	RT		3	5.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	threonine endopeptidase activity	RT		3	6.1E-1	1.0E0
	Annotation Cluster 122	Enrichment Score: 0.81	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	porin	RT		8	1.4E-2	1.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	outer membrane	RT		14	2.7E-2	2.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	porin activity	RT		6	9.6E-2	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	wide pore channel activity	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT		13	1.0E0	1.0E0
	Annotation Cluster 123	Enrichment Score: 0.8	G				
<input type="checkbox"/>	BIOCARTA	RB Tumor Suppressor/Checkpoint Signaling in response to DNA damage	RT		5	4.6E-2	6.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cyclin-dependent protein kinase activity	RT		6	1.2E-1	9.4E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000564:kinase-related transforming protein	RT		4	7.0E-1	1.0E0
	Annotation Cluster 124	Enrichment Score: 0.8	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT		17	7.1E-2	4.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT		24	1.8E-1	7.0E-1



<input type="checkbox"/>	Category	Term	RT	Bar	Count	P-Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT		21	2.3E-1	7.7E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT		21	2.3E-1	7.7E-1	
		Annotation Cluster 125	Enrichment Score: 0.78	G		Count	P-Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-1	RT		4	1.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-1	RT		4	1.5E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-2	RT		4	1.7E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-2	RT		4	1.7E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-3	RT		3	2.0E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-3	RT		3	2.0E-1	1.0E0	
		Annotation Cluster 126	Enrichment Score: 0.78	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT		211	6.3E-5	9.3E-3	
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT		152	1.2E-3	2.0E-2	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT		120	2.8E-3	1.4E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT		95	6.9E-2	8.6E-1	
<input type="checkbox"/>	SMART	S_TKc	RT		33	1.4E-1	9.8E-1	
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT		24	1.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT		28	1.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT		71	2.9E-1	8.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT		36	3.5E-1	9.3E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT		42	3.7E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT		50	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT		64	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		80	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		80	6.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT		35	6.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT		30	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT		42	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT		51	7.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		63	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT		23	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT		49	9.5E-1	1.0E0	
		Annotation Cluster 127	Enrichment Score: 0.74	G		Count	P-Value	Benjamini
<input type="checkbox"/>	SMART	PHB	RT		3	1.6E-1	9.8E-1	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005651:membrane protease subunits, stomatin/prohibitin homologs	RT		3	1.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Band 7 protein	RT		3	2.2E-1	1.0E0	
		Annotation Cluster 128	Enrichment Score: 0.74	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome organization and biogenesis	RT		4	1.4E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule organizing center organization and biogenesis	RT		4	1.6E-1	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome cycle	RT		3	2.8E-1	9.8E-1	
		Annotation Cluster 129	Enrichment Score: 0.69	G		Count	P-Value	Benjamini
<input type="checkbox"/>	SMART	DSRM	RT		5	9.5E-2	9.5E-1	
<input type="checkbox"/>	INTERPRO	Double-stranded RNA-binding-like	RT		4	2.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	double-stranded RNA binding	RT		6	2.5E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	Double-stranded RNA binding	RT		4	3.1E-1	1.0E0	
		Annotation Cluster 130	Enrichment Score: 0.69	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair	RT		5	2.0E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	recombinational repair	RT		3	2.0E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair via homologous recombination	RT		3	2.0E-1	9.6E-1	

Annotation Cluster 131		Enrichment Score: 0.67	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		43	2.0E-2	4.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		28	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		26	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		19	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		11	4.8E-1	9.7E-1
Annotation Cluster 132		Enrichment Score: 0.67	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT		9	3.5E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule polymerization or depolymerization	RT		4	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule depolymerization	RT		3	3.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of microtubule polymerization or depolymerization	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of microtubule polymerization or depolymerization	RT		3	4.5E-1	1.0E0
Annotation Cluster 133		Enrichment Score: 0.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT		64	6.2E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		23	3.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT		38	4.7E-1	1.0E0
Annotation Cluster 134		Enrichment Score: 0.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Manganese	RT		6	6.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	manganese ion binding	RT		16	2.1E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Manganese	RT		15	2.3E-1	8.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT		8	8.0E-1	1.0E0
Annotation Cluster 135		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Importin-beta, N-terminal	RT		5	3.8E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus, docking	RT		5	4.6E-2	6.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Importin N-terminal	RT		4	1.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 6	RT		4	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 5	RT		4	3.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 4	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein complex assembly	RT		6	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 3	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 1	RT		4	4.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 2	RT		4	4.6E-1	1.0E0
Annotation Cluster 136		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	er-golgi transport	RT		12	2.5E-2	2.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ER to Golgi vesicle-mediated transport	RT		10	9.1E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT		12	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT		27	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT		29	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT		20	7.6E-1	1.0E0
Annotation Cluster 137		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	poly(A) binding	RT		3	1.3E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	mRNA binding	RT		6	2.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	single-stranded RNA binding	RT		3	4.1E-1	1.0E0
Annotation Cluster 138		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Flavodoxin-like fold	RT		3	2.2E-2	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NAD(P)H dehydrogenase (quinone) activity	RT		3	2.4E-2	5.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	RT		7	2.0E-1	9.8E-1

<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH	RT				8	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ubiquinone	RT				5	4.9E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase activity	RT				4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase (quinone) activity	RT				4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase (ubiquinone) activity	RT				4	7.1E-1	1.0E0
	Annotation Cluster 139	Enrichment Score: 0.63	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	MAP kinase phosphatase	RT				4	3.9E-2	9.9E-1
<input type="checkbox"/>	SMART	RHOD	RT				5	5.5E-2	9.0E-1
<input type="checkbox"/>	INTERPRO	Dual specificity protein phosphatase (MAP kinase phosphatase)	RT				3	6.5E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	MAP kinase phosphatase activity	RT				4	7.3E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	MAP kinase tyrosine/serine/threonine phosphatase activity	RT				4	7.3E-2	8.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Rhodanese	RT				4	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT				28	1.5E-1	9.6E-1
<input type="checkbox"/>	SMART	DSPc	RT				5	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoprotein phosphatase activity	RT				18	2.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Rhodanese-like	RT				4	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid dephosphorylation	RT				15	2.6E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, dual specificity	RT				5	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine/serine/threonine phosphatase activity	RT				6	2.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT				11	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT				61	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT				12	3.9E-1	9.4E-1
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, Tyr-specific/dual-specificity type	RT				9	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT				30	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	dephosphorylation	RT				15	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Tyrosine-protein phosphatase	RT				6	4.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Regulation of MAP Kinase Pathways Through Dual Specificity Phosphatases	RT				3	4.9E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Phosphocysteine intermediate	RT				7	5.0E-1	1.0E0
<input type="checkbox"/>	SMART	PTPc	RT				3	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, receptor/non-receptor type	RT				3	8.7E-1	1.0E0
	Annotation Cluster 140	Enrichment Score: 0.62	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Autoinhibitory domain	RT				3	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin-dependent protein kinase activity	RT				4	1.8E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Calmodulin-binding	RT				5	6.5E-1	1.0E0
	Annotation Cluster 141	Enrichment Score: 0.59	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:5	RT				11	8.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2	RT				17	1.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:3	RT				14	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:4	RT				12	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1	RT				16	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:6	RT				8	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:11	RT				5	3.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:8	RT				6	3.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:10	RT				5	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:9	RT				5	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:13	RT				4	4.6E-1	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:12	RT					4	4.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:7	RT					6	5.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:14	RT					3	6.8E-1	1.0E0
	Annotation Cluster 142	Enrichment Score: 0.59	G					Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT					6	1.6E-1	9.1E-1
<input type="checkbox"/>	BIOCARTA	Role of BRCA1, BRCA2 and ATR in Cancer Susceptibility	RT					5	2.4E-1	9.2E-1
<input type="checkbox"/>	BIOCARTA	ATM Signaling Pathway	RT					4	4.7E-1	9.7E-1
	Annotation Cluster 143	Enrichment Score: 0.59	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Pre-ATP-grasp fold	RT					3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ATP-grasp fold	RT					3	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ATP-grasp fold, subdomain 2	RT					3	3.6E-1	1.0E0
	Annotation Cluster 144	Enrichment Score: 0.58	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	I-kappaB kinase/NF-kappaB cascade	RT					10	1.6E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of I-kappaB kinase/NF-kappaB cascade	RT					7	1.7E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of I-kappaB kinase/NF-kappaB cascade	RT					7	2.0E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of signal transduction	RT					8	8.9E-1	1.0E0
	Annotation Cluster 145	Enrichment Score: 0.57	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT					82	5.7E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT					82	5.7E-2	7.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT					32	9.2E-2	5.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT					77	1.0E-1	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT					75	1.2E-1	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT					47	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT					46	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT					106	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT					149	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT					149	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT					226	1.0E0	1.0E0
	Annotation Cluster 146	Enrichment Score: 0.55	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	methylation-dependent chromatin silencing	RT					3	7.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin remodeling	RT					9	7.7E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression, epigenetic	RT					8	2.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT					7	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gene silencing	RT					5	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin silencing	RT					3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heterochromatin formation	RT					3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly	RT					8	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of gene expression, epigenetic	RT					3	5.4E-1	1.0E0
	Annotation Cluster 147	Enrichment Score: 0.53	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	blocked amino end	RT					8	7.0E-2	4.8E-1
<input type="checkbox"/>	SMART	ARF	RT					4	2.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	myristylation	RT					5	2.5E-1	8.6E-1
<input type="checkbox"/>	INTERPRO	ADP-ribosylation factor	RT					4	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ARF/SAR superfamily	RT					4	4.6E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001711:ADP-ribosylation factor	RT					4	5.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:N-myristoyl glycine	RT					5	9.6E-1	1.0E0
	Annotation Cluster 148	Enrichment Score: 0.52	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular response to stimulus	RT					6	1.5E-1	9.1E-1

<input type="checkbox"/>	Term	Score	RT	Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular response to extracellular stimulus	RT	3	3.1E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	response to extracellular stimulus	RT	3	6.0E-1	1.0E0	
Annotation Cluster 149		Enrichment Score: 0.5	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	ruffle	RT	9	6.4E-2	4.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	leading edge	RT	10	5.2E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	cell projection	RT	26	9.8E-1	1.0E0	
Annotation Cluster 150		Enrichment Score: 0.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Mitochondrial brown fat uncoupling protein	RT	4	8.3E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Mitochondrial substrate carrier	RT	6	2.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 2	RT	4	4.0E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 1	RT	4	4.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Mitochondrial carrier protein	RT	4	4.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 3	RT	3	6.6E-1	1.0E0	
Annotation Cluster 151		Enrichment Score: 0.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lamina	RT	4	4.1E-2	3.0E-1	
<input type="checkbox"/>	INTERPRO	Intermediate filament, C-terminal	RT	3	4.2E-2	9.9E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	lamin filament	RT	3	6.8E-2	4.2E-1	
<input type="checkbox"/>	BIOCARTA	Caspase Cascade in Apoptosis	RT	6	1.8E-1	9.2E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear inner membrane	RT	3	2.3E-1	7.7E-1	
<input type="checkbox"/>	BIOCARTA	TNFR1 Signaling Pathway	RT	6	3.4E-1	9.5E-1	
<input type="checkbox"/>	BIOCARTA	FAS signaling pathway (CD95)	RT	6	3.6E-1	9.5E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	intermediate filament	RT	5	8.5E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002282:cytoskeletal keratin	RT	4	9.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Intermediate filament protein	RT	4	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intermediate filament	RT	6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intermediate filament cytoskeleton	RT	6	9.8E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Cell Communication	RT	6	1.0E0	1.0E0	
Annotation Cluster 152		Enrichment Score: 0.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	general RNA polymerase II transcription factor activity	RT	4	1.5E-1	9.6E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Basal transcription factors	RT	6	2.9E-1	8.3E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	RNA polymerase II transcription factor activity	RT	8	7.6E-1	1.0E0	
Annotation Cluster 153		Enrichment Score: 0.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ER-nuclear signaling pathway	RT	6	9.1E-2	8.1E-1	
<input type="checkbox"/>	BIOCARTA	Cadmium induces DNA synthesis and proliferation in macrophages	RT	5	1.5E-1	9.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell aging	RT	4	2.4E-1	9.7E-1	
<input type="checkbox"/>	BIOCARTA	BTG family proteins and cell cycle regulation	RT	4	2.4E-1	9.1E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Thyroid cancer	RT	6	2.7E-1	8.2E-1	
<input type="checkbox"/>	BIOCARTA	WNT Signaling Pathway	RT	5	4.3E-1	9.7E-1	
<input type="checkbox"/>	BIOCARTA	Regulation of transcriptional activity by PML	RT	4	5.1E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	aging	RT	4	5.7E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT	7	6.0E-1	9.6E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT	6	8.6E-1	1.0E0	
Annotation Cluster 154		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle coat	RT	9	6.4E-2	4.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle membrane	RT	9	8.6E-2	4.7E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle membrane	RT	10	1.5E-1	6.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	coated membrane	RT	9	1.5E-1	6.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane coat	RT	9	1.5E-1	6.6E-1	

<input type="checkbox"/>	GOTERM_CC_ALL	clathrin vesicle coat	RT		6	1.9E-1	7.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:MHD	RT		3	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin adaptor complex	RT		5	2.0E-1	7.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	AP-type membrane coat adaptor complex	RT		5	2.0E-1	7.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	coated pit	RT		5	2.1E-1	8.2E-1
<input type="checkbox"/>	INTERPRO	Clathrin adaptor, mu subunit, C-terminal	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin coated vesicle membrane	RT		6	2.2E-1	7.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin coat	RT		6	2.6E-1	8.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle part	RT		10	2.6E-1	8.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle membrane	RT		11	2.6E-1	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT		19	3.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Clathrin/coatomer adaptor, adaptin-like, N-terminal	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	transport vesicle membrane	RT		4	4.0E-1	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	coated pit	RT		6	4.0E-1	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi-associated vesicle membrane	RT		4	4.2E-1	9.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi-associated vesicle	RT		6	4.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin coat of trans-Golgi network vesicle	RT		3	4.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	trans-Golgi network transport vesicle membrane	RT		3	5.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	transport vesicle	RT		5	5.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle	RT		11	6.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi apparatus part	RT		15	7.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	trans-Golgi network transport vesicle	RT		3	7.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT		19	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin-coated vesicle	RT		8	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT		26	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT		19	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT		26	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi membrane	RT		6	9.6E-1	1.0E0
Annotation Cluster 155		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 2	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 3	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 4	RT		4	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 8	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	SMART	ARM	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 6	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 7	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 5	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 1	RT		3	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Armadillo	RT		4	5.3E-1	1.0E0
Annotation Cluster 156		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT		39	7.4E-3	1.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT		29	6.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT		17	2.0E-1	1.0E0
<input type="checkbox"/>	SMART	RHO	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT		14	5.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	prenylation	RT		14	5.2E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Ras small GTPase, Rho type	RT		3	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT		11	5.7E-1	1.0E0





























<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Effector region	RT		7	8.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-geranylgeranyl cysteine	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT		28	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Removed in mature form	RT		6	1.0E0	1.0E0
Annotation Cluster 157		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	tumor necrosis factor receptor superfamily binding	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	tumor necrosis factor receptor binding	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	SMART	TNF	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Tumor Necrosis Factor	RT		3	4.5E-1	1.0E0
Annotation Cluster 158		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pigment metabolic process	RT		7	1.3E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pigment biosynthetic process	RT		6	1.6E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	secondary metabolic process	RT		7	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	heme metabolic process	RT		3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	porphyrin metabolic process	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tetrapyrrole metabolic process	RT		3	6.5E-1	1.0E0
Annotation Cluster 159		Enrichment Score: 0.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	UBCc	RT		9	2.5E-2	6.9E-1
<input type="checkbox"/>	INTERPRO	Ubiquitin-conjugating enzyme, E2	RT		8	9.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		21	2.2E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Glycyl thioester intermediate	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Ubiquitin mediated proteolysis	RT		15	6.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		13	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		11	7.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Parkinson's disease	RT		3	7.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		11	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		11	7.6E-1	1.0E0
Annotation Cluster 160		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ANX	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002359:annexin I	RT		3	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	annexin	RT		3	3.4E-1	9.2E-1
<input type="checkbox"/>	INTERPRO	Annexin	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium/phospholipid-binding	RT		3	3.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	calcium-dependent phospholipid binding	RT		3	6.8E-1	1.0E0
Annotation Cluster 161		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	ABC transporter related	RT		7	8.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 2	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 1	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 2	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 1	RT		3	5.4E-1	1.0E0
Annotation Cluster 162		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of myeloid leukocyte differentiation	RT		5	1.5E-2	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of osteoclast differentiation	RT		4	2.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of myeloid cell differentiation	RT		6	3.4E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid leukocyte differentiation	RT		6	7.9E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoclast differentiation	RT		5	1.1E-1	8.6E-1

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		8	1.5E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte differentiation	RT		8	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	osteoclast differentiation	RT		5	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		14	2.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT		24	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT		9	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell differentiation	RT		6	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		26	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT		24	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT		13	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	bone mineralization	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT		60	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cartilage development	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT		6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT		18	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT		18	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT		6	1.0E0	1.0E0
Annotation Cluster 163		Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Poly(ADP-ribose) polymerase, catalytic region	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid ADP-ribosylation	RT		4	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NAD+ ADP-ribosyltransferase activity	RT		3	4.4E-1	1.0E0
Annotation Cluster 164		Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT		16	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT		24	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT		24	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT		34	9.5E-1	1.0E0
Annotation Cluster 165		Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		32	1.6E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein homodimerization activity	RT		15	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT		24	7.7E-1	1.0E0
Annotation Cluster 166		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	How Progesterone Initiates the Oocyte Maturation	RT		10	1.6E-3	8.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP binding	RT		9	4.0E-2	3.4E-1
<input type="checkbox"/>	BIOCARTA	Signaling Pathway from G-Protein Families	RT		8	5.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	heterotrimeric G-protein complex	RT		7	1.2E-1	6.0E-1
<input type="checkbox"/>	BIOCARTA	Corticosteroids and cardioprotection	RT		5	1.8E-1	9.3E-1
<input type="checkbox"/>	INTERPRO	Guanine nucleotide binding protein (G-protein), alpha subunit	RT		4	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiolester bond	RT		4	2.0E-1	8.1E-1
<input type="checkbox"/>	BIOCARTA	CCR3 signaling in Eosinophils	RT		6	2.0E-1	9.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to plasma membrane	RT		8	2.7E-1	8.1E-1
<input type="checkbox"/>	BIOCARTA	CXCR4 Signaling Pathway	RT		6	2.8E-1	9.4E-1
<input type="checkbox"/>	BIOCARTA	Activation of cAMP-dependent protein kinase, PKA	RT		3	2.9E-1	9.4E-1
<input type="checkbox"/>	BIOCARTA	Attenuation of GPCR Signaling	RT		3	2.9E-1	9.4E-1

<input type="checkbox"/>	BIOCARTA	Roles of ?-arrestin-dependent Recruitment of Src Kinases in GPCR Signaling	RT		5	3.3E-1	9.5E-1
<input type="checkbox"/>	BIOCARTA	ChREBP regulation by carbohydrates and cAMP	RT		3	3.4E-1	9.4E-1
<input type="checkbox"/>	INTERPRO	G protein alpha subunit, helical insertion	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal transduction	RT		3	4.1E-1	9.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	heterotrimer	RT		4	4.3E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	Erk1/Erk2 Mapk Signaling pathway	RT		6	4.8E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	?-arrestins in GPCR Desensitization	RT		3	4.9E-1	9.7E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002400:GTP-binding regulatory protein Gs alpha chain	RT		3	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to membrane	RT		8	5.7E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Transcription factor CREB and its extracellular signals	RT		4	6.1E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	fMLP induced chemokine gene expression in HMC-1 cells	RT		5	6.3E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	T Cell Receptor Signaling Pathway	RT		6	6.5E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	NFAT and Hypertrophy of the heart (Transcription in the broken heart)	RT		6	6.9E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Role of ?-arrestins in the activation and targeting of MAP kinases	RT		3	7.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Bioactive Peptide Induced Signaling Pathway	RT		5	7.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein signaling, coupled to IP3 second messenger (phospholipase C activating)	RT		4	7.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Activation of Csk by cAMP-dependent Protein Kinase Inhibits Signaling through the T Cell Receptor	RT		3	7.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide-mediated signaling	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	BCR Signaling Pathway	RT		4	8.0E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Fc Epsilon Receptor I Signaling in Mast Cells	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Taste transduction	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Links between Pyk2 and Map Kinases	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	second-messenger-mediated signaling	RT		10	9.4E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Angiotensin II mediated activation of JNK Pathway via Pyk2 dependent signaling	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Long-term depression	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	GnRH signaling pathway	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Melanogenesis	RT		7	9.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Long-term potentiation	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Calcium signaling pathway	RT		9	1.0E0	1.0E0
Annotation Cluster 167		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lipid kinase activity	RT		5	1.0E-2	2.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of catalytic activity	RT		9	2.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	inactivation of MAPK activity	RT		3	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein kinase activity	RT		7	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of kinase activity	RT		7	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of MAP kinase activity	RT		4	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transferase activity	RT		7	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT		42	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT		18	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of MAP kinase activity	RT		8	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT		35	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT		18	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT		15	7.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	activation of MAPK activity	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of kinase activity	RT		8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of MAP kinase activity	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transferase activity	RT		8	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein kinase activity	RT		6	9.8E-1	1.0E0
Annotation Cluster 168		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Signaling Pathway from G-Protein Families	RT		8	5.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neuron apoptosis	RT		9	7.7E-2	7.8E-1
<input type="checkbox"/>	BIOCARTA	Regulation of Splicing through Sam68	RT		4	1.0E-1	8.6E-1
<input type="checkbox"/>	BIOCARTA	METS affect on Macrophage Differentiation	RT		6	1.1E-1	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	neuron apoptosis	RT		9	1.3E-1	8.9E-1
<input type="checkbox"/>	BIOCARTA	Cadmium induces DNA synthesis and proliferation in macrophages	RT		5	1.5E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of neuron apoptosis	RT		6	1.6E-1	9.3E-1
<input type="checkbox"/>	BIOCARTA	IL 6 signaling pathway	RT		6	2.0E-1	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	proto-oncogene	RT		11	2.8E-1	8.8E-1
<input type="checkbox"/>	BIOCARTA	IGF-1 Signaling Pathway	RT		5	3.3E-1	9.5E-1
<input type="checkbox"/>	BIOCARTA	TPO Signaling Pathway	RT		5	4.3E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Insulin Signaling Pathway	RT		5	4.3E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Nerve growth factor pathway (NGF)	RT		4	5.1E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Role of EGF Receptor Transactivation by GPCRs in Cardiac Hypertrophy	RT		4	5.1E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT		10	5.1E-1	9.4E-1
<input type="checkbox"/>	BIOCARTA	Signaling of Hepatocyte Growth Factor Receptor	RT		6	5.5E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	PDGF Signaling Pathway	RT		5	5.8E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	EGF Signaling Pathway	RT		5	5.8E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT		7	6.0E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	IL-2 Receptor Beta Chain in T cell Activation	RT		6	6.0E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	EPO Signaling Pathway	RT		4	6.1E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Inhibition of Cellular Proliferation by Gleevec	RT		4	6.1E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	T Cell Receptor Signaling Pathway	RT		6	6.5E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	IL 2 signaling pathway	RT		4	6.9E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Sprouty regulation of tyrosine kinase signals	RT		3	7.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	IL 3 signaling pathway	RT		3	7.4E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	BCR Signaling Pathway	RT		4	8.0E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Insulin signaling pathway	RT		14	8.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Fc Epsilon Receptor I Signaling in Mast Cells	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT		6	8.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	ErbB signaling pathway	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	MAPKinase Signaling Pathway	RT		7	9.8E-1	1.0E0
Annotation Cluster 169		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst development	RT		6	2.3E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst growth	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental growth	RT		5	7.3E-1	1.0E0
Annotation Cluster 170		Enrichment Score: 0.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	DNA-directed RNA polymerase complex	RT		3	4.0E-1	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear DNA-directed RNA polymerase complex	RT		3	4.0E-1	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	RNA polymerase complex	RT		3	4.6E-1	9.5E-1
Annotation Cluster 171		Enrichment Score: 0.36	G		Count	P_Value	Benjamini

<input type="checkbox"/>	BIOCARTA	IL_6 signaling pathway	RT				6	2.0E-1	9.1E-1	
<input type="checkbox"/>	INTERPRO	Basic leucine zipper	RT				3	4.8E-1	1.0E0	
<input type="checkbox"/>	SMART	BRLZ	RT				5	5.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT				5	6.6E-1	1.0E0	
	Annotation Cluster 172	Enrichment Score: 0.36	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	CBS	RT				3	3.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Cystathionine beta-synthase, core	RT				3	4.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CBS 1	RT				3	4.4E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CBS 2	RT				3	4.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cbs domain	RT				3	5.0E-1	9.7E-1	
	Annotation Cluster 173	Enrichment Score: 0.36	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	estrogen receptor signaling pathway	RT				3	1.7E-1	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular receptor-mediated signaling pathway	RT				4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	steroid hormone receptor signaling pathway	RT				3	7.5E-1	1.0E0	
	Annotation Cluster 174	Enrichment Score: 0.36	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA metabolic process	RT				6	2.5E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular respiration	RT				5	3.5E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor catabolic process	RT				5	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	tricarboxylic acid cycle	RT				4	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA catabolic process	RT				4	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	aerobic respiration	RT				4	4.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Tricarboxylic acid cycle	RT				3	5.6E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme catabolic process	RT				4	5.7E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Citrate cycle (TCA cycle)	RT				4	5.8E-1	9.5E-1	
	Annotation Cluster 175	Enrichment Score: 0.35	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT				381	9.1E-7	1.4E-4	
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT				296	2.5E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT				250	2.6E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT				280	5.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT				114	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT				165	9.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT				103	9.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-binding	RT				102	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT				306	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT				373	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT				336	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT				84	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT				191	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT				166	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT				152	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT				52	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT				161	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT				150	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT				174	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT				152	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT				143	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT				163	1.0E0	1.0E0	

Annotation Cluster 176		Enrichment Score: 0.35	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chaperone cofactor-dependent protein folding	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	'de novo' protein folding	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	'de novo' posttranslational protein folding	RT		3	4.8E-1	1.0E0
Annotation Cluster 177		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleocytoplasmic transport	RT		4	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of intracellular protein transport	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein import into nucleus	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of intracellular transport	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein transport	RT		3	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transport	RT		6	9.8E-1	1.0E0
Annotation Cluster 178		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Iron transport	RT		4	2.8E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT		8	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion transport	RT		4	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT		6	1.0E0	1.0E0
Annotation Cluster 179		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	translation regulation	RT		5	2.8E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT		30	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT		19	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT		14	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT		15	7.0E-1	1.0E0
Annotation Cluster 180		Enrichment Score: 0.33	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		23	3.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		23	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		47	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		46	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		15	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		15	6.9E-1	1.0E0
Annotation Cluster 181		Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT		14	1.8E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly	RT		8	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein-DNA complex assembly	RT		8	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleosome assembly	RT		5	8.0E-1	1.0E0
Annotation Cluster 182		Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT		11	9.5E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide biosynthetic process	RT		5	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid biosynthetic process	RT		6	2.3E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT		11	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphatidylinositol metabolic process	RT		3	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT		14	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide metabolic process	RT		6	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	GPI anchor biosynthetic process	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid metabolic process	RT		7	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	GPI anchor metabolic process	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis	RT		3	7.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT		15	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid lipidation	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein biosynthetic process	RT		4	8.9E-1	1.0E0

















































<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 2	RT					5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein metabolic process	RT					5	9.2E-1	1.0E0
	Annotation Cluster 183	Enrichment Score: 0.3	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	Ran GTPase binding	RT					3	1.3E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase binding	RT					5	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase binding	RT					5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase binding	RT					5	8.2E-1	1.0E0
	Annotation Cluster 184	Enrichment Score: 0.3	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	aminopeptidase activity	RT					6	2.8E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminopeptidase	RT					4	4.1E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	exopeptidase activity	RT					9	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metalloexopeptidase activity	RT					5	7.9E-1	1.0E0
	Annotation Cluster 185	Enrichment Score: 0.29	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein secretion	RT					7	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein secretion	RT					3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of secretion	RT					4	9.6E-1	1.0E0
	Annotation Cluster 186	Enrichment Score: 0.29	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	LDLa	RT					5	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Low density lipoprotein-receptor, class A	RT					5	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	endocytosis	RT					5	9.4E-1	1.0E0
	Annotation Cluster 187	Enrichment Score: 0.28	G					Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	p38 MAPK Signaling Pathway	RT					8	1.5E-1	9.1E-1
<input type="checkbox"/>	BIOCARTA	MAPKinase Signaling Pathway	RT					7	9.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT					5	9.9E-1	1.0E0
	Annotation Cluster 188	Enrichment Score: 0.28	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT					22	2.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT					18	3.0E-1	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT					29	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	CLECT	RT					9	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Type II antifreeze protein	RT					4	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C-type lectin	RT					9	8.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C-type lectin	RT					5	8.4E-1	1.0E0
	Annotation Cluster 189	Enrichment Score: 0.27	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell motility	RT					4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of locomotion	RT					4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell motility	RT					4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of locomotion	RT					4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell migration	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell migration	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell motility	RT					8	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotion	RT					9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of locomotion	RT					8	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell migration	RT					6	7.9E-1	1.0E0
	Annotation Cluster 190	Enrichment Score: 0.27	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	polypeptide N-acetylgalactosaminyltransferase activity	RT					3	3.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Catalytic subdomain A	RT					3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Catalytic subdomain B	RT					3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ricin B-type lectin	RT					3	4.7E-1	1.0E0
<input type="checkbox"/>	SMART	RICIN	RT					3	5.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	O-Glycan biosynthesis	RT					4	5.8E-1	9.5E-1

<input type="checkbox"/>	INTERPRO	Ricin B lectin	RT					3	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acetylglucosaminyltransferase activity	RT					3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT					8	8.0E-1	1.0E0
	Annotation Cluster 191	Enrichment Score: 0.26	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT					25	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT					25	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT					17	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT					21	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT					18	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT					38	9.9E-1	1.0E0
	Annotation Cluster 192	Enrichment Score: 0.26	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	calmodulin-binding	RT					11	4.0E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin binding	RT					11	6.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Calmodulin-binding	RT					5	6.5E-1	1.0E0
	Annotation Cluster 193	Enrichment Score: 0.26	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pentose-phosphate shunt	RT					3	1.7E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	NADP metabolic process	RT					3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nicotinamide metabolic process	RT					3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	pyridine nucleotide metabolic process	RT					3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin metabolic process	RT					4	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin metabolic process	RT					4	9.7E-1	1.0E0
	Annotation Cluster 194	Enrichment Score: 0.26	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial ribosome	RT					5	4.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organellar ribosome	RT					5	4.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial matrix	RT					6	6.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial lumen	RT					6	6.4E-1	9.9E-1
	Annotation Cluster 195	Enrichment Score: 0.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	organic anion transport	RT					3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	neutral amino acid transmembrane transporter activity	RT					3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	solute:sodium symporter activity	RT					6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	solute:cation symporter activity	RT					7	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monocarboxylic acid transmembrane transporter activity	RT					3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxylic acid transmembrane transporter activity	RT					8	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	organic acid transmembrane transporter activity	RT					8	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion:cation symporter activity	RT					3	5.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	amino-acid transport	RT					3	5.0E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Symport	RT					9	5.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	organic acid:sodium symporter activity	RT					3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	amino acid transmembrane transporter activity	RT					5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT					13	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT					15	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid transport	RT					5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid transport	RT					5	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid transport	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine transport	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sodium ion transport	RT					3	1.0E0	1.0E0
	Annotation Cluster 196	Enrichment Score: 0.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid transport	RT					6	4.2E-1	9.5E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	lipid transporter activity	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid transport	RT		8	7.4E-1	1.0E0
	Annotation Cluster 197	Enrichment Score: 0.25	G				
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001135:trypsin	RT		10	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytolysis	RT		5	2.0E-1	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine proteinase	RT		8	2.1E-1	8.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Peptidase S1	RT		9	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytolysis	RT		3	4.4E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT		7	5.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT		18	5.5E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Charge relay system	RT		12	7.1E-1	1.0E0
<input type="checkbox"/>	SMART	Tryp_SPC	RT		9	7.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine protease	RT		12	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT		16	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	T-cell	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT		9	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT		16	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT		16	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1A, chymotrypsin	RT		8	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT		26	1.0E0	1.0E0
	Annotation Cluster 198	Enrichment Score: 0.25	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		14	1.8E-1	7.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein-specific protease activity	RT		7	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		15	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin thiolesterase activity	RT		6	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-specific protease activity	RT		6	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	thiolester hydrolase activity	RT		7	7.9E-1	1.0E0
	Annotation Cluster 199	Enrichment Score: 0.25	G				
<input type="checkbox"/>	GOTERM_MF_ALL	solute:sodium symporter activity	RT		6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	solute:cation symporter activity	RT		7	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	neurotransmitter:sodium symporter activity	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	neurotransmitter transporter activity	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurotransmitter transport	RT		3	9.7E-1	1.0E0
	Annotation Cluster 200	Enrichment Score: 0.24	G				
<input type="checkbox"/>	SMART	RAS	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF037165:ras protein	RT		3	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras small GTPase, Ras type	RT		3	6.4E-1	1.0E0
	Annotation Cluster 201	Enrichment Score: 0.23	G				
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide biosynthetic process	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol biosynthetic process	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate biosynthetic process	RT		9	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose biosynthetic process	RT		3	7.2E-1	1.0E0
	Annotation Cluster 202	Enrichment Score: 0.23	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT		133	8.4E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proton transport	RT		11	1.4E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen transport	RT		11	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		17	2.8E-1	9.9E-1

<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT		83	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT		111	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT		65	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		54	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT		41	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT		27	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT		29	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT		29	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT		43	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT		17	1.0E0	1.0E0
Annotation Cluster 203		Enrichment Score: 0.23	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Cadmium induces DNA synthesis and proliferation in macrophages	RT		5	1.5E-1	9.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	B cell receptor signaling pathway	RT		10	4.1E-1	9.1E-1
<input type="checkbox"/>	BIOCARTA	Regulation of transcriptional activity by PML	RT		4	5.1E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	T cell receptor signaling pathway	RT		9	9.1E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Keratinocyte Differentiation	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Fc epsilon RI signaling pathway	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Natural killer cell mediated cytotoxicity	RT		8	1.0E0	1.0E0
Annotation Cluster 204		Enrichment Score: 0.22	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of synaptic plasticity	RT		5	2.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of synapse structure and activity	RT		5	2.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neuronal synaptic plasticity	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		17	1.0E0	1.0E0
Annotation Cluster 205		Enrichment Score: 0.22	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribosomal protein	RT		18	4.2E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	ribosome	RT		17	5.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	structural constituent of ribosome	RT		16	6.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Ribosome	RT		7	9.4E-1	1.0E0
Annotation Cluster 206		Enrichment Score: 0.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Elongation factor	RT		4	3.8E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	translation elongation factor activity	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translational elongation	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer biosynthetic process	RT		3	9.4E-1	1.0E0
Annotation Cluster 207		Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	fad	RT		10	5.3E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:FAD	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	flavoprotein	RT		10	6.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	FAD binding	RT		5	8.3E-1	1.0E0
Annotation Cluster 208		Enrichment Score: 0.19	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ETS	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ets	RT		3	6.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:ETS	RT		3	6.8E-1	1.0E0
Annotation Cluster 209		Enrichment Score: 0.19	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Erk and PI-3 Kinase Are Necessary for Collagen Binding in Corneal Epithelia	RT		4	5.4E-1	9.6E-1

<input type="checkbox"/>	BIOCARTA	mCalpain and friends in Cell motility	RT			3	6.1E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Integrin Signaling Pathway	RT			4	8.2E-1	9.9E-1
	Annotation Cluster 210	Enrichment Score: 0.18	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters	RT			4	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 5'-phosphomonoesters	RT			3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease activity	RT			5	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity	RT			3	9.1E-1	1.0E0
	Annotation Cluster 211	Enrichment Score: 0.17	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	response to UV	RT			4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to radiation	RT			9	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to light stimulus	RT			6	8.5E-1	1.0E0
	Annotation Cluster 212	Enrichment Score: 0.17	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-galactosyltransferase activity	RT			3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	galactosyltransferase activity	RT			3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT			8	8.0E-1	1.0E0
	Annotation Cluster 213	Enrichment Score: 0.17	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Porin, eukaryotic type	RT			3	6.5E-2	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle outer membrane	RT			5	3.3E-1	8.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial outer membrane	RT			4	4.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	anion transmembrane transporter activity	RT			8	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion channel activity	RT			4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated ion channel activity	RT			3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated channel activity	RT			3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion channel activity	RT			8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation channel activity	RT			4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate specific channel activity	RT			8	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ionic channel	RT			4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	gated channel activity	RT			3	1.0E0	1.0E0
	Annotation Cluster 214	Enrichment Score: 0.17	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell size	RT			4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell growth	RT			3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of growth	RT			4	7.5E-1	1.0E0
	Annotation Cluster 215	Enrichment Score: 0.16	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	response to oxidative stress	RT			8	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	antioxidant activity	RT			5	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peroxidase activity	RT			3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on peroxide as acceptor	RT			3	9.2E-1	1.0E0
	Annotation Cluster 216	Enrichment Score: 0.16	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT			43	2.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT			96	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			28	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT			89	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT			32	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription repressor activity	RT			14	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT			22	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT			15	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT			9	9.8E-1	1.0E0

Annotation Cluster 217		Enrichment Score: 0.16		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	HLH	RT			9	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Basic helix-loop-helix dimerisation region bHLH	RT			9	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-loop-helix DNA-binding	RT			7	7.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helix-loop-helix motif	RT			8	7.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT			10	8.4E-1	1.0E0
Annotation Cluster 218		Enrichment Score: 0.16		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT			28	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT			33	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT			33	7.1E-1	1.0E0
Annotation Cluster 219		Enrichment Score: 0.15		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	Pept C1	RT			3	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain C-terminal	RT			3	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain	RT			3	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase, cysteine peptidase active site	RT			3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type endopeptidase activity	RT			4	1.0E0	1.0E0
Annotation Cluster 220		Enrichment Score: 0.15		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte homeostasis	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte homeostasis	RT			3	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostasis of number of cells	RT			3	7.9E-1	1.0E0
Annotation Cluster 221		Enrichment Score: 0.14		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT			100	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT			86	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			33	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT			32	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT			19	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT			41	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT			23	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT			35	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT			12	1.0E0	1.0E0
Annotation Cluster 222		Enrichment Score: 0.14		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic epithelial tube formation	RT			6	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube formation	RT			5	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate morphogenesis	RT			5	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate development	RT			5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of embryonic epithelium	RT			6	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube development	RT			5	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	primary neural tube formation	RT			3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of an epithelium	RT			8	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT			13	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT			9	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT			9	1.0E0	1.0E0
Annotation Cluster 223		Enrichment Score: 0.13		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Myosin	RT			4	6.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	myosin complex	RT			6	6.7E-1	9.9E-1
<input type="checkbox"/>	SMART	MYSc	RT			3	6.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Myosin head-like	RT			3	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Myosin head, motor region	RT			3	7.7E-1	1.0E0

<input type="checkbox"/>	SMART	IQ	RT				5	8.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	IQ_calmodulin-binding_region	RT				4	9.6E-1	1.0E0	
	Annotation Cluster 224	Enrichment Score: 0.13	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	microbody	RT				8	6.9E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisome	RT				8	6.9E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	peroxisome	RT				7	7.6E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Microbody targeting signal	RT				3	8.3E-1	1.0E0	
	Annotation Cluster 225	Enrichment Score: 0.13	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	hair_cycle_process	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	molting_cycle_process	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hair_follicle_development	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hair_cycle	RT				4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	molting_cycle	RT				4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	epidermis_development	RT				8	8.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ectoderm_development	RT				8	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	epidermis_morphogenesis	RT				3	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	tissue_morphogenesis	RT				3	1.0E0	1.0E0	
	Annotation Cluster 226	Enrichment Score: 0.13	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane_organization_and_biogenesis	RT				28	3.4E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	endocytosis	RT				5	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT				11	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane_invagination	RT				11	9.8E-1	1.0E0	
	Annotation Cluster 227	Enrichment Score: 0.13	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte_proliferation	RT				9	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear_cell_proliferation	RT				9	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	B_cell_activation	RT				9	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte_activation	RT				21	7.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte_activation	RT				19	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell_activation	RT				22	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	B_cell_proliferation	RT				3	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	T_cell_activation	RT				10	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	T_cell_proliferation	RT				4	9.5E-1	1.0E0	
	Annotation Cluster 228	Enrichment Score: 0.13	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme_activator_activity	RT				23	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase_activator_activity	RT				13	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase_regulator_activity	RT				22	9.8E-1	1.0E0	
	Annotation Cluster 229	Enrichment Score: 0.12	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT				15	5.9E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular_fraction	RT				15	6.4E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	microsome	RT				8	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	cell_fraction	RT				44	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane_fraction	RT				36	9.3E-1	1.0E0	
	Annotation Cluster 230	Enrichment Score: 0.12	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	PSI	RT				4	6.8E-1	1.0E0	
<input type="checkbox"/>	SMART	Sema	RT				3	7.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Plexin	RT				3	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Plexin/semaphorin/integrin	RT				4	8.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Semaphorin/CD100_antigen	RT				3	8.0E-1	1.0E0	
	Annotation Cluster 231	Enrichment Score: 0.12	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	inner_ear_receptor_cell_differentiation	RT				4	4.5E-1	1.0E0	

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mechanoreceptor differentiation	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ear development	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inner ear development	RT		4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT		6	1.0E0	1.0E0
Annotation Cluster 232		Enrichment Score: 0.12	G				
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		8	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring acyl groups	RT		16	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		5	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acyltransferase activity	RT		13	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring groups other than amino-acyl groups	RT		13	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	acyltransferase	RT		8	9.7E-1	1.0E0
Annotation Cluster 233		Enrichment Score: 0.11	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	chemotaxis	RT		7	4.5E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	Small chemokine, C-C	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemotaxis	RT		11	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	taxis	RT		11	6.3E-1	1.0E0
<input type="checkbox"/>	PIRSUPERFAMILY	PIRSF001950:small inducible chemokine, C/CC types	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine activity	RT		4	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor binding	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	SCY	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein-coupled receptor binding	RT		5	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	pyrrolidone carboxylic acid	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, interleukin-8-like	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	inflammatory response	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine	RT		10	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotory behavior	RT		13	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	behavior	RT		18	1.0E0	1.0E0
Annotation Cluster 234		Enrichment Score: 0.11	G				
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion homeostasis	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular iron ion homeostasis	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT		25	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	elevation of cytosolic calcium ion concentration	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological quality	RT		66	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytosolic calcium ion homeostasis	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular di-, tri-valent inorganic cation homeostasis	RT		9	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation homeostasis	RT		9	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular cation homeostasis	RT		9	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular calcium ion homeostasis	RT		5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation homeostasis	RT		9	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion homeostasis	RT		5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT		28	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metal ion homeostasis	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion homeostasis	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT		12	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT		12	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT		12	9.8E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT					13	1.0E0	1.0E0	
	Annotation Cluster 235	Enrichment Score: 0.11	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	RING	RT					18	6.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:RING-type	RT					11	7.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger, RING/FYVE/PHD-type	RT					12	8.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT					17	8.9E-1	1.0E0	
	Annotation Cluster 236	Enrichment Score: 0.1	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of JNK cascade	RT					3	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT					11	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	JNK cascade	RT					4	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	stress-activated protein kinase signaling pathway	RT					4	8.8E-1	1.0E0	
	Annotation Cluster 237	Enrichment Score: 0.1	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin production	RT					4	7.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	production of molecular mediator of immune response	RT					4	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	somatic recombination of immunoglobulin gene segments	RT					3	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	somatic cell DNA recombination	RT					3	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors via germline recombination within a single locus	RT					3	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immunoglobulins	RT					3	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors	RT					3	8.4E-1	1.0E0	
	Annotation Cluster 238	Enrichment Score: 0.1	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	SOCS	RT					3	7.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SOCS protein, C-terminal	RT					3	8.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SOCS box	RT					3	8.3E-1	1.0E0	
	Annotation Cluster 239	Enrichment Score: 0.09	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	exopeptidase activity	RT					9	7.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	carboxypeptidase	RT					3	8.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	carboxypeptidase activity	RT					3	9.3E-1	1.0E0	
	Annotation Cluster 240	Enrichment Score: 0.09	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	glucose transport	RT					3	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT					6	8.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hexose transport	RT					3	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide transport	RT					3	8.2E-1	1.0E0	
	Annotation Cluster 241	Enrichment Score: 0.08	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	SANT	RT					4	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Myb, DNA-binding	RT					3	8.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SANT, DNA-binding	RT					4	8.8E-1	1.0E0	
	Annotation Cluster 242	Enrichment Score: 0.08	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	EF hand	RT					5	3.2E-1	9.1E-1	
<input type="checkbox"/>	SMART	EFh	RT					12	8.5E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 1	RT					8	9.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 2	RT					8	9.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:2	RT					5	9.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Calcium-binding EF-hand	RT					11	9.7E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:1	RT					5	9.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	EF-Hand type	RT					8	1.0E0	1.0E0	
	Annotation Cluster 243	Enrichment Score: 0.08	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol metabolism	RT					3	6.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid metabolism	RT					3	8.3E-1	1.0E0	

<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid metabolism	RT					5	9.9E-1	1.0E0
	Annotation Cluster 244	Enrichment Score: 0.08	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT					6	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ATPase, P-type, K/Mg/Cd/Cu/Zn/Na/Ca/Na/H-transporter	RT					3	8.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Inorganic ion transport and metabolism	RT					6	9.7E-1	1.0E0
	Annotation Cluster 245	Enrichment Score: 0.08	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Sterile alpha motif-type	RT					6	6.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SAM	RT					3	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	SAM	RT					4	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif SAM	RT					4	9.6E-1	1.0E0
	Annotation Cluster 246	Enrichment Score: 0.07	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT					6	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT					6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT					13	9.8E-1	1.0E0
	Annotation Cluster 247	Enrichment Score: 0.07	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	HMG	RT					4	7.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG1/HMG2	RT					4	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG	RT					3	9.3E-1	1.0E0
	Annotation Cluster 248	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	male sex differentiation	RT					4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary male sexual characteristics	RT					3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT					4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT					5	9.9E-1	1.0E0
	Annotation Cluster 249	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	focal adhesion	RT					3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell-substrate adherens junction	RT					3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	adherens junction	RT					5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell-matrix junction	RT					3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basolateral plasma membrane	RT					4	9.8E-1	1.0E0
	Annotation Cluster 250	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	sugar transport	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT					6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar:hydrogen ion symporter activity	RT					3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar transmembrane transporter activity	RT					3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate transmembrane transporter activity	RT					3	9.2E-1	1.0E0
	Annotation Cluster 251	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of anatomical structure morphogenesis	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell morphogenesis	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell shape	RT					4	8.7E-1	1.0E0
	Annotation Cluster 252	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chemotaxis	RT					11	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	taxis	RT					11	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to wounding	RT					22	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response	RT					13	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT					32	1.0E0	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	immune response	RT		25	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	defense response	RT		22	1.0E0	1.0E0
	Annotation Cluster 253	Enrichment Score: 0.06	G				
<input type="checkbox"/>	GOTERM_BP_ALL	humoral immune response	RT		7	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	complement activation	RT		4	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of plasma proteins during acute inflammatory response	RT		4	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		12	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of immune response	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune response	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	acute inflammatory response	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune system process	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organismal process	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT		14	1.0E0	1.0E0
	Annotation Cluster 254	Enrichment Score: 0.06	G				
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT		9	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT		11	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT		10	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT		12	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT		19	9.7E-1	1.0E0
	Annotation Cluster 255	Enrichment Score: 0.05	G				
<input type="checkbox"/>	GOTERM_BP_ALL	B cell activation	RT		9	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of B cell activation	RT		3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell activation	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte activation	RT		5	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT		7	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell activation	RT		4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT		3	9.9E-1	1.0E0
	Annotation Cluster 256	Enrichment Score: 0.05	G				
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		62	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT		39	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT		51	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT		26	1.0E0	1.0E0
	Annotation Cluster 257	Enrichment Score: 0.05	G				
<input type="checkbox"/>	INTERPRO	Variant SH3	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	SMART	SH2	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	SMART	SH3	RT		10	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SH2 motif	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sh2 domain	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Src homology-3	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT		4	1.0E0	1.0E0
	Annotation Cluster 258	Enrichment Score: 0.05	G				
<input type="checkbox"/>	GOTERM_CC_ALL	basement membrane	RT		6	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	extracellular matrix organization and	RT		6	7.4E-1	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>		biogenesis	RT		0	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	basement membrane	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	extracellular structure organization and biogenesis	RT		8	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix part	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	extracellular matrix structural constituent	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT		9	1.0E0	1.0E0
	Annotation Cluster 259	Enrichment Score: 0.05	G				
<input type="checkbox"/>	BIOCARTA	Role of MAL in Rho-Mediated Activation of SRF	RT		3	8.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Ras Signaling Pathway	RT		3	8.3E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Axon guidance	RT		9	9.9E-1	1.0E0
	Annotation Cluster 260	Enrichment Score: 0.04	G				
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme inhibitor activity	RT		20	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase inhibitor activity	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protease inhibitor activity	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase inhibitor activity	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease inhibitor	RT		3	1.0E0	1.0E0
	Annotation Cluster 261	Enrichment Score: 0.03	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosidase	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, hydrolyzing O-glycosyl compounds	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on glycosyl bonds	RT		7	9.6E-1	1.0E0
	Annotation Cluster 262	Enrichment Score: 0.03	G				
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of sound	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of mechanical stimulus	RT		6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT		24	1.0E0	1.0E0
	Annotation Cluster 263	Enrichment Score: 0.02	G				
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C2 1	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C2 2	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	SMART	C2	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C2 calcium-dependent membrane targeting	RT		6	9.9E-1	1.0E0
	Annotation Cluster 264	Enrichment Score: 0.02	G				
<input type="checkbox"/>	SMART	ANK	RT		13	8.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 3	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 1	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 2	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 5	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ankyrin	RT		10	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 4	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ank repeat	RT		10	9.9E-1	1.0E0
	Annotation Cluster 265	Enrichment Score: 0.02	G				
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		12	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated immunity	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell mediated immunity	RT		4	9.8E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin mediated immune response	RT				3	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte mediated immunity	RT				4	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	RT				4	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response	RT				4	1.0E0	1.0E0	
	Annotation Cluster 266	Enrichment Score: 0.02	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	EGF calcium-binding	RT				5	8.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 2; calcium-binding	RT				3	8.8E-1	1.0E0	
<input type="checkbox"/>	SMART	EGF_CA	RT				5	9.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Aspartic acid and asparagine hydroxylation site	RT				5	9.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	EGF-like calcium-binding	RT				5	9.6E-1	1.0E0	
<input type="checkbox"/>	SMART	EGF	RT				7	9.9E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 1	RT				3	9.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	EGF-like	RT				5	1.0E0	1.0E0	
<input type="checkbox"/>	INTERPRO	EGF-like, type 3	RT				7	1.0E0	1.0E0	
<input type="checkbox"/>	INTERPRO	EGF	RT				7	1.0E0	1.0E0	
<input type="checkbox"/>	INTERPRO	EGF-like region	RT				9	1.0E0	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	egf-like domain	RT				7	1.0E0	1.0E0	
	Annotation Cluster 267	Enrichment Score: 0.02	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein amino acid phosphorylation	RT				4	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amino acid metabolic process	RT				4	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amine metabolic process	RT				4	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein metabolic process	RT				6	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorylation	RT				4	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorus metabolic process	RT				4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphate metabolic process	RT				4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT				8	1.0E0	1.0E0	
	Annotation Cluster 268	Enrichment Score: 0.02	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Dioxygenase	RT				3	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	dioxygenase activity	RT				3	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen	RT				3	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen	RT				3	9.8E-1	1.0E0	
	Annotation Cluster 269	Enrichment Score: 0.01	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	LIM	RT				3	9.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger, LIM-type	RT				3	9.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	lim domain	RT				3	9.8E-1	1.0E0	
	Annotation Cluster 270	Enrichment Score: 0.01	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid catabolic process	RT				3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound catabolic process	RT				3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	amine catabolic process	RT				3	9.8E-1	1.0E0	
	Annotation Cluster 271	Enrichment Score: 0.01	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	wound healing	RT				6	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood coagulation	RT				3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	coagulation	RT				3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of body fluid levels	RT				4	9.8E-1	1.0E0	

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	hemostasis	RT					3	9.9E-1	1.0E0
	Annotation Cluster 272		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 6	RT					5	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 5	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 3	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 1	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 2	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 4	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 8	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 7	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Leucine-rich repeat	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	leucine-rich repeat	RT					8	1.0E0	1.0E0
	Annotation Cluster 273		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT					3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT					8	1.0E0	1.0E0
	Annotation Cluster 274		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT					9	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT					3	9.9E-1	1.0E0
	Annotation Cluster 275		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein signaling, coupled to cAMP nucleotide second messenger	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein signaling, coupled to cyclic nucleotide second messenger	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cAMP-mediated signaling	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cyclic-nucleotide-mediated signaling	RT					3	9.9E-1	1.0E0
	Annotation Cluster 276		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT					13	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT					8	1.0E0	1.0E0
	Annotation Cluster 277		Enrichment Score: 0.01		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of blood pressure	RT					3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood circulation	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	circulatory system process	RT					5	1.0E0	1.0E0
	Annotation Cluster 278		Enrichment Score: 0		G			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	heparin-binding	RT					3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT					4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT					4	1.0E0	1.0E0
	Annotation Cluster 279		Enrichment Score: 0		G			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	potassium ion binding	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	alkali metal ion binding	RT					8	1.0E0	1.0E0
	Annotation Cluster 280		Enrichment Score: 0		G			Count	P_Value	Benjamini

<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 1	RT				4	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 2	RT				4	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	FN3	RT				7	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III	RT				7	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III-like fold	RT				5	1.0E0	1.0E0
	Annotation Cluster 281	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	IG	RT				13	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT				13	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin V-set	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT				16	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT				16	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT				11	1.0E0	1.0E0
	Annotation Cluster 282	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	collagen	RT				4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate transport	RT				4	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Collagen triple helix repeat	RT				3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inorganic anion transport	RT				7	1.0E0	1.0E0
	Annotation Cluster 283	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT				11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT				11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT				29	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT				14	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT				16	1.0E0	1.0E0
	Annotation Cluster 284	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	PH	RT				10	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PH	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT				12	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT				10	1.0E0	1.0E0
	Annotation Cluster 285	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT				5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT				5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT				10	1.0E0	1.0E0
	Annotation Cluster 286	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT				32	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT				12	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT				26	1.0E0	1.0E0
	Annotation Cluster 287	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytokine biosynthetic process	RT				3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine biosynthetic process	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine metabolic process	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine production	RT				3	1.0E0	1.0E0
	Annotation Cluster 288	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell adhesion	RT				16	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT				19	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT				36	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT				36	1.0E0	1.0E0
	Annotation Cluster 289	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	forebrain development	RT				5	9.9E-1	1.0E0

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	brain development	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT					8	1.0E0	1.0E0
	Annotation Cluster 290	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity, G-protein coupled	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide receptor activity	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT					12	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Rhodopsin-like GPCR superfamily	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Neuroactive ligand-receptor interaction	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	g-protein coupled receptor	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	rhodopsin-like receptor activity	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein coupled receptor activity	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor activity	RT					16	1.0E0	1.0E0
	Annotation Cluster 291	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT					149	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT					149	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT					226	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT					90	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT					72	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT					115	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT					137	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT					146	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT					172	1.0E0	1.0E0
	Annotation Cluster 292	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT					91	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	signal transduction	RT					157	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell communication	RT					163	1.0E0	1.0E0
	Annotation Cluster 293	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	tetrapyrrole binding	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heme binding	RT					7	1.0E0	1.0E0
	Annotation Cluster 294	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	apical junction complex	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	apicolateral plasma membrane	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intercellular junction	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell junction	RT					9	1.0E0	1.0E0
	Annotation Cluster 295	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT					19	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT					20	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT					15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT					30	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT					30	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axonogenesis	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT					13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT					13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT					13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron morphogenesis during differentiation	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite morphogenesis	RT					6	1.0E0	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT				7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT				37	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT				8	1.0E0	1.0E0
	Annotation Cluster 296	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT				4	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT				5	1.0E0	1.0E0
	Annotation Cluster 297	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	postsynaptic membrane	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synapse part	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synapse	RT				6	1.0E0	1.0E0
	Annotation Cluster 298	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT				32	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT				32	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT				72	1.0E0	1.0E0
	Annotation Cluster 299	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	synapse	RT				4	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell junction	RT				9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synapse	RT				6	1.0E0	1.0E0
	Annotation Cluster 300	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ZnF_C2H2	RT				10	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT				10	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT				10	1.0E0	1.0E0
	Annotation Cluster 301	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT				147	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT				154	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT				90	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT				250	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT				254	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT				110	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT				60	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT				209	1.0E0	1.0E0
	Annotation Cluster 302	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT				169	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT				349	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT				299	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT				299	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT				228	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT				446	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT				302	1.0E0	1.0E0
	Annotation Cluster 303	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT				169	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT				119	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT				122	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT				103	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT				70	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT				89	1.0E0	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		124	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		123	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		119	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT		159	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT		99	1.0E0	1.0E0
Annotation Cluster 304		Enrichment Score: 0	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT		57	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT		93	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT		93	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT		70	1.0E0	1.0E0

647 terms were not clustered.

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Functional Annotation Clustering Of Genes Upregulated >2 in WASP Deficient BMMCs

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Current Gene List: **wsp up >2**
1645 DAVID IDs

Options Classification Stringency **Medium**

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Annotation Cluster 1		Enrichment Score: 48.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular part	RT		1024	4.2E-74	3.3E-71
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular	RT		1048	9.4E-70	3.6E-67
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular membrane-bound organelle	RT		839	3.6E-65	9.3E-63
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound organelle	RT		839	6.8E-65	1.3E-62
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle	RT		896	3.5E-61	5.4E-59
<input type="checkbox"/>	GOTERM_CC_ALL	organelle	RT		896	5.8E-61	7.5E-59
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT		601	5.2E-55	5.7E-53
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT		491	2.7E-43	2.3E-40
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasm	RT		627	5.0E-18	2.3E-16
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT		1160	1.1E-16	4.3E-15
<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT		1160	1.1E-16	4.3E-15
Annotation Cluster 2		Enrichment Score: 27.48	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT		387	2.4E-34	2.4E-32
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT		387	6.7E-34	5.8E-32
<input type="checkbox"/>	GOTERM_CC_ALL	macromolecular complex	RT		322	4.0E-26	2.6E-24
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT		249	3.5E-25	2.1E-23
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT		249	3.5E-25	2.1E-23
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT		198	1.7E-24	8.6E-23
Annotation Cluster 3		Enrichment Score: 21.18	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT		165	3.4E-29	5.8E-26
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT		106	9.7E-28	2.8E-25
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT		92	6.3E-27	6.5E-24
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT		81	7.7E-25	4.4E-22
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT		55	9.1E-25	1.6E-22
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT		80	1.6E-24	8.2E-22
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT		132	3.7E-23	1.7E-20
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT		78	3.8E-23	1.6E-20
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT		67	1.1E-22	1.6E-20
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT		66	1.4E-22	5.4E-20
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT		65	5.4E-22	1.9E-19
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT		64	1.1E-6	9.7E-5
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT		64	1.5E-6	1.2E-4
Annotation Cluster 4		Enrichment Score: 21.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT		95	3.2E-26	2.3E-24
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT		82	2.1E-22	9.9E-21
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT		33	8.3E-17	4.6E-15
Annotation Cluster 5		Enrichment Score: 16.18	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metabolic process	RT		784	2.4E-25	2.1E-22

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		452	6.9E-25	4.4E-22
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT		774	2.1E-22	7.7E-20
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process	RT		830	2.2E-20	7.1E-18
<input type="checkbox"/>	GOTERM_BP_ALL	cellular process	RT		1036	3.7E-13	6.8E-11
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT		655	1.5E-12	2.5E-10
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT		356	2.1E-8	2.3E-6
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		494	3.9E-8	4.2E-6
Annotation Cluster 6		Enrichment Score: 15.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT		73	6.4E-25	4.7E-22
<input type="checkbox"/>	GOTERM_BP_ALL	ribosome biogenesis and assembly	RT		49	4.5E-19	1.4E-16
<input type="checkbox"/>	GOTERM_BP_ALL	rRNA processing	RT		27	1.5E-12	2.4E-10
<input type="checkbox"/>	GOTERM_BP_ALL	rRNA metabolic process	RT		27	2.4E-12	3.8E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	rrna_processing	RT		21	4.9E-10	2.0E-8
Annotation Cluster 7		Enrichment Score: 14.71	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT		298	9.8E-23	1.3E-19
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		177	2.7E-17	2.9E-15
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		210	2.0E-16	1.5E-13
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		208	2.1E-16	1.2E-13
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		216	4.8E-16	2.0E-13
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		240	3.0E-15	1.0E-12
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		240	3.0E-15	1.0E-12
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		205	5.4E-15	4.6E-13
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		246	6.6E-15	2.0E-12
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		89	5.0E-5	6.9E-2
Annotation Cluster 8		Enrichment Score: 14.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		115	1.0E-31	5.3E-28
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT		54	2.1E-14	4.9E-12
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna_splicing	RT		48	3.1E-14	2.2E-12
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna_processing	RT		55	4.8E-14	3.2E-12
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		66	1.1E-13	2.3E-11
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT		60	3.2E-13	6.3E-11
<input type="checkbox"/>	GOTERM_CC_ALL	spliceosome	RT		38	1.4E-10	3.4E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	spliceosome	RT		32	7.5E-10	3.0E-8
Annotation Cluster 9		Enrichment Score: 12.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		146	2.0E-27	2.5E-24
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT		61	4.4E-17	1.1E-14
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT		67	1.6E-15	3.8E-13
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA damage	RT		45	1.1E-13	6.8E-12
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT		68	3.2E-13	6.2E-11
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT		41	1.8E-12	9.9E-11
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT		104	6.7E-4	2.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to stimulus	RT		135	1.0E0	1.0E0
Annotation Cluster 10		Enrichment Score: 10.92	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA metabolic process	RT		44	2.2E-17	6.2E-15
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA processing	RT		23	7.7E-10	9.3E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	trna_processing	RT		17	1.1E-7	2.9E-6
Annotation Cluster 11		Enrichment Score: 10.68	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		204	2.7E-17	7.4E-15
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		157	2.2E-14	5.0E-12

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		81	7.4E-9	8.3E-7
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT		96	4.4E-5	2.6E-3
Annotation Cluster 12					Enrichment Score: 9.58	G	
<input type="checkbox"/>	SMART	RRM	RT		45	3.5E-14	2.1E-11
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		40	1.4E-9	8.3E-6
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		39	4.2E-9	1.2E-5
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM	RT		21	2.2E-8	3.1E-4
Annotation Cluster 13					Enrichment Score: 8.53	G	
<input type="checkbox"/>	SP_PIR_KEYWORDS	chaperone	RT		37	6.7E-11	2.9E-9
<input type="checkbox"/>	GOTERM_BP_ALL	protein folding	RT		51	1.6E-10	2.3E-8
<input type="checkbox"/>	GOTERM_MF_ALL	unfolded protein binding	RT		22	2.3E-6	2.2E-4
Annotation Cluster 14					Enrichment Score: 8.33	G	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrion	RT		150	7.1E-14	2.5E-12
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT		109	2.2E-11	9.9E-10
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT		61	3.8E-7	7.3E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	transit peptide	RT		54	8.4E-4	1.3E-2
Annotation Cluster 15					Enrichment Score: 8.11	G	
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		94	4.6E-11	1.1E-8
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		97	4.8E-11	1.1E-8
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT		97	8.0E-11	1.6E-8
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		97	1.1E-10	2.1E-8
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		50	1.3E-6	1.5E-4
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		55	2.3E-6	2.2E-4
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT		241	2.9E-5	2.3E-3
Annotation Cluster 16					Enrichment Score: 7.89	G	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane part	RT		28	2.5E-12	8.2E-11
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear pore	RT		25	4.7E-12	1.5E-10
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane	RT		28	8.6E-12	2.5E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna transport	RT		22	1.1E-11	5.1E-10
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA transport	RT		25	2.3E-11	3.4E-9
<input type="checkbox"/>	GOTERM_CC_ALL	pore complex	RT		25	7.2E-11	2.0E-9
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid transport	RT		26	1.5E-10	2.1E-8
<input type="checkbox"/>	GOTERM_BP_ALL	RNA transport	RT		25	2.0E-10	2.6E-8
<input type="checkbox"/>	GOTERM_BP_ALL	nucleic acid transport	RT		25	2.0E-10	2.6E-8
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of RNA localization	RT		25	2.0E-10	2.6E-8
<input type="checkbox"/>	GOTERM_BP_ALL	RNA localization	RT		25	2.9E-10	3.7E-8
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT		35	7.2E-10	8.9E-8
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT		35	9.3E-10	1.1E-7
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope	RT		35	2.8E-9	6.6E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	translocation	RT		21	6.4E-8	1.9E-6
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT		48	3.8E-7	3.5E-5
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport across a membrane	RT		19	6.9E-7	6.3E-5
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT		23	2.7E-6	2.2E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclear pore complex	RT		11	2.3E-5	4.7E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT		19	4.0E-5	2.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT		18	9.6E-5	5.3E-3
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT		65	9.7E-5	5.3E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT		59	2.0E-4	3.6E-3

<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT								
	Annotation Cluster 17		Enrichment Score: 6.41		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT						84	2.9E-12	9.2E-11
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT						83	5.1E-12	1.5E-10
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT						61	3.8E-7	7.3E-6
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT						90	1.1E-5	1.7E-4
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT						45	2.2E-5	3.1E-4
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT						48	6.1E-5	8.4E-4
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT						42	7.7E-5	1.0E-3
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT						45	8.6E-5	1.1E-3
	Annotation Cluster 18		Enrichment Score: 6.37		G				Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Pyrimidine metabolism	RT						37	3.3E-15	7.0E-13
<input type="checkbox"/>	KEGG_PATHWAY	Purine metabolism	RT						39	1.5E-9	8.1E-8
<input type="checkbox"/>	KEGG_PATHWAY	DNA polymerase	RT						12	7.4E-6	2.2E-4
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-directed DNA polymerase activity	RT						12	2.0E-5	1.7E-3
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotidyltransferase activity	RT						26	2.9E-5	2.3E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA-directed DNA polymerase	RT						9	2.2E-4	3.9E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleotidyltransferase	RT						17	5.5E-4	9.1E-3
	Annotation Cluster 19		Enrichment Score: 6.26		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nucleolus	RT						49	3.1E-17	1.3E-15
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT						132	1.0E-10	2.7E-9
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT						132	1.0E-10	2.7E-9
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT						106	1.4E-6	2.4E-5
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT						63	1.8E-1	7.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT						58	2.4E-1	8.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT						33	9.2E-1	1.0E0
	Annotation Cluster 20		Enrichment Score: 6.08		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT						114	1.2E-27	9.4E-26
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribonucleoprotein	RT						68	3.9E-17	3.7E-15
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribosomal protein	RT						40	7.3E-8	2.0E-6
<input type="checkbox"/>	GOTERM_CC_ALL	ribosome	RT						38	9.8E-7	1.8E-5
<input type="checkbox"/>	GOTERM_MF_ALL	structural constituent of ribosome	RT						36	2.0E-6	2.0E-4
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial ribosome	RT						14	1.8E-5	2.7E-4
<input type="checkbox"/>	GOTERM_CC_ALL	organelle ribosome	RT						14	1.8E-5	2.7E-4
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial lumen	RT						16	1.8E-4	2.2E-3
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial matrix	RT						16	1.8E-4	2.2E-3
<input type="checkbox"/>	GOTERM_CC_ALL	ribosomal subunit	RT						13	1.2E-2	1.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle large ribosomal subunit	RT						5	5.8E-2	3.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial large ribosomal subunit	RT						5	5.8E-2	3.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	large ribosomal subunit	RT						6	1.6E-1	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	structural molecule activity	RT						59	1.8E-1	9.6E-1
	Annotation Cluster 21		Enrichment Score: 5.99		G				Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	AAA	RT						23	7.4E-8	1.5E-5
<input type="checkbox"/>	INTERPRO	AAA ATPase, core	RT						16	6.8E-7	9.8E-4
<input type="checkbox"/>	INTERPRO	AAA+ ATPase, core	RT						19	2.1E-5	1.5E-2
	Annotation Cluster 22		Enrichment Score: 5.86		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA metabolic process	RT						44	2.2E-17	6.2E-15
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein biosynthesis	RT						36	9.2E-9	3.1E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminoacyl-tRNA synthetase	RT						18	1.4E-8	4.6E-7
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation	RT						20	3.4E-7	3.3E-5
















































<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation for protein translation	RT		20	3.4E-7	3.3E-5
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid activation	RT		20	3.4E-7	3.3E-5
<input type="checkbox"/>	KEGG_PATHWAY	Aminoacyl-tRNA biosynthesis	RT		15	7.0E-7	3.0E-5
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-oxygen bonds	RT		20	7.5E-7	1.0E-4
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming aminoacyl-tRNA and related compounds	RT		20	7.5E-7	1.0E-4
<input type="checkbox"/>	GOTERM_MF_ALL	aminoacyl-tRNA ligase activity	RT		20	7.5E-7	1.0E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT		46	5.9E-6	1.3E-4
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT		56	9.5E-6	7.0E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT		65	2.7E-5	1.6E-3
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT		45	4.3E-5	2.6E-3
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		55	5.9E-5	4.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT		59	1.2E-4	6.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		67	2.1E-3	7.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT		67	2.2E-3	7.5E-2
<input type="checkbox"/>	INTERPRO	Aminoacyl-tRNA synthetase, class I	RT		8	8.0E-3	6.2E-1
Annotation Cluster 23		Enrichment Score: 5.63	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nuclease activity	RT		37	1.2E-8	1.9E-6
<input type="checkbox"/>	GOTERM_MF_ALL	exonuclease activity	RT		21	2.0E-8	3.2E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	Exonuclease	RT		15	4.1E-7	1.0E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	Exosome	RT		6	5.8E-4	9.5E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclease	RT		17	1.2E-3	1.7E-2
Annotation Cluster 24		Enrichment Score: 5.61	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Biosynthesis of steroids	RT		17	1.5E-11	1.0E-9
<input type="checkbox"/>	GOTERM_BP_ALL	sterol biosynthetic process	RT		19	2.4E-11	3.5E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid synthesis	RT		28	1.2E-9	4.6E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	sterol biosynthesis	RT		14	3.0E-9	1.1E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid biosynthesis	RT		16	5.1E-8	1.5E-6
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol biosynthetic process	RT		14	5.3E-8	5.5E-6
<input type="checkbox"/>	GOTERM_BP_ALL	sterol metabolic process	RT		23	1.1E-6	9.6E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol biosynthesis	RT		10	1.3E-6	2.9E-5
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT		48	1.8E-6	1.5E-4
<input type="checkbox"/>	GOTERM_BP_ALL	steroid biosynthetic process	RT		22	2.7E-6	2.2E-4
<input type="checkbox"/>	GOTERM_BP_ALL	isoprenoid biosynthetic process	RT		10	1.7E-5	1.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol metabolic process	RT		18	1.7E-4	8.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		44	6.5E-4	2.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	steroid metabolic process	RT		28	7.9E-4	3.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	isoprenoid metabolic process	RT		10	2.2E-3	7.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT		59	1.4E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT		60	4.8E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 4.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome segregation	RT		27	5.5E-13	9.5E-11
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic sister chromatid segregation	RT		11	1.5E-5	1.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL	sister chromatid segregation	RT		11	2.3E-5	1.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic chromosome condensation	RT		7	1.4E-3	5.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome condensation	RT		8	1.9E-3	6.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna condensation	RT		5	9.3E-3	1.1E-1
Annotation Cluster 26		Enrichment Score: 4.84	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	WD40	RT		42	1.2E-9	3.5E-7

<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		38	7.6E-6	8.7E-3
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		29	1.2E-5	3.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		43	1.6E-5	3.3E-4
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		30	1.7E-5	3.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		30	1.7E-5	3.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT		27	2.6E-5	4.6E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		29	3.5E-5	5.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT		21	2.2E-4	2.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT		14	4.0E-3	9.6E-1
Annotation Cluster 27		Enrichment Score: 4.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring one-carbon groups	RT		39	3.4E-8	5.0E-6
<input type="checkbox"/>	GOTERM_MF_ALL	methyltransferase activity	RT		38	6.4E-8	9.1E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	methyltransferase	RT		25	9.5E-5	1.8E-3
<input type="checkbox"/>	GOTERM_MF_ALL	S-adenosylmethionine-dependent methyltransferase activity	RT		16	1.9E-3	8.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	s-adenosyl-l-methionine	RT		15	3.4E-3	4.3E-2
Annotation Cluster 28		Enrichment Score: 4.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		25	4.4E-7	4.0E-5
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT		17	2.6E-5	1.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT		17	2.6E-5	1.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT		17	2.6E-5	1.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	spliceosome assembly	RT		9	1.2E-3	4.7E-2
Annotation Cluster 29		Enrichment Score: 4.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	replication fork	RT		15	6.1E-9	1.4E-7
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome part	RT		24	3.9E-8	8.1E-7
<input type="checkbox"/>	KEGG_PATHWAY	DNA polymerase	RT		12	7.4E-6	2.2E-4
<input type="checkbox"/>	GOTERM_CC_ALL	replisome	RT		8	1.0E-5	1.6E-4
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear replisome	RT		8	1.0E-5	1.6E-4
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear replication fork	RT		8	1.0E-5	1.6E-4
<input type="checkbox"/>	GOTERM_CC_ALL	alpha DNA polymerase:primase complex	RT		4	2.6E-3	2.8E-2
<input type="checkbox"/>	GOTERM_MF_ALL	DNA primase activity	RT		3	4.2E-2	6.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	DNA replication factor A complex	RT		3	6.6E-2	4.0E-1
Annotation Cluster 30		Enrichment Score: 4.51	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		25	4.4E-7	4.0E-5
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		61	1.4E-4	7.3E-3
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		52	4.7E-4	2.1E-2
Annotation Cluster 31		Enrichment Score: 4.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-oxygen lyase activity	RT		18	5.7E-5	4.2E-3
<input type="checkbox"/>	GOTERM_MF_ALL	lyase activity	RT		32	8.9E-5	6.1E-3
<input type="checkbox"/>	GOTERM_MF_ALL	hydro-lyase activity	RT		16	9.8E-5	6.5E-3
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridylate synthase activity	RT		7	1.5E-4	9.7E-3
Annotation Cluster 32		Enrichment Score: 3.97	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	spindle	RT		19	4.5E-7	8.5E-6
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mitosis	RT		13	4.3E-4	1.9E-2
<input type="checkbox"/>	GOTERM_CC_ALL	spindle pole	RT		7	6.3E-3	6.2E-2
Annotation Cluster 33		Enrichment Score: 3.85	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA replication initiation	RT		13	3.5E-9	4.1E-7
<input type="checkbox"/>	INTERPRO	Nucleic acid-binding, OB-fold	RT		18	2.1E-7	4.1E-4
<input type="checkbox"/>	SMART	MCM	RT		7	2.1E-6	2.5E-4

<input type="checkbox"/>	Term	Description	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:MCM	RT		7	5.6E-6	3.9E-2
<input type="checkbox"/>	INTERPRO	MCM	RT		7	9.4E-6	7.8E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA replication initiation	RT		5	3.2E-4	5.6E-3
<input type="checkbox"/>	GOTERM_MF_ALL	single-stranded DNA binding	RT		10	1.4E-3	6.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	DNA geometric change	RT		6	4.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA duplex unwinding	RT		6	4.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA unwinding during replication	RT		6	4.4E-3	1.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	heterohexamer	RT		3	2.4E-2	2.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc finger	RT		7	7.4E-1	1.0E0
Annotation Cluster 34		Enrichment Score: 3.74	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 2	RT		17	9.5E-6	4.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 1	RT		17	9.5E-6	4.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 3	RT		6	6.8E-2	1.0E0
Annotation Cluster 35		Enrichment Score: 3.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	centrosome	RT		17	4.7E-5	6.6E-4
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule organizing center	RT		18	2.4E-4	2.9E-3
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule organizing center part	RT		8	1.6E-3	1.8E-2
Annotation Cluster 36		Enrichment Score: 3.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		25	4.4E-7	4.0E-5
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT		15	3.2E-4	1.5E-2
<input type="checkbox"/>	GOTERM_MF_ALL	translation initiation factor activity	RT		18	7.6E-4	3.9E-2
<input type="checkbox"/>	GOTERM_MF_ALL	translation factor activity, nucleic acid binding	RT		22	2.4E-3	1.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	initiation factor	RT		15	3.0E-3	3.8E-2
<input type="checkbox"/>	GOTERM_MF_ALL	translation regulator activity	RT		22	4.4E-3	1.7E-1
Annotation Cluster 37		Enrichment Score: 3.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT		63	2.3E-9	5.7E-8
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT		43	4.7E-8	9.5E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	microtubule	RT		35	3.6E-7	9.1E-6
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT		40	2.8E-6	2.2E-4
<input type="checkbox"/>	SMART	KISc	RT		12	1.7E-5	1.5E-3
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT		76	7.4E-5	1.0E-3
<input type="checkbox"/>	INTERPRO	Kinesin, motor region	RT		12	1.9E-4	7.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule cytoskeleton organization and biogenesis	RT		18	4.1E-4	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT		21	9.2E-4	3.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT		22	2.7E-3	8.9E-2
<input type="checkbox"/>	GOTERM_MF_ALL	microtubule motor activity	RT		14	1.0E-2	3.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	motor protein	RT		16	1.9E-2	2.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule associated complex	RT		14	1.2E-1	5.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT		89	1.4E-1	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	kinesin complex	RT		6	1.6E-1	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	motor activity	RT		17	1.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT		53	1.7E-1	9.5E-1
Annotation Cluster 38		Enrichment Score: 3.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT		106	5.1E-8	5.4E-6
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component organization and biogenesis	RT		298	2.8E-7	2.8E-5
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT		48	3.8E-7	3.5E-5
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT		118	3.9E-6	3.0E-4
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT		120	4.6E-6	3.5E-4

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT					65	9.7E-5	5.3E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT					59	2.0E-4	3.6E-3
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT					106	2.2E-4	1.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT					89	3.9E-3	1.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT					95	4.5E-3	1.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT					84	4.9E-3	1.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT					119	4.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT					231	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT					221	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT					252	8.6E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 3.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	helicase activity	RT					36	6.9E-9	1.2E-6
<input type="checkbox"/>	SMART	DEXDc	RT					23	2.5E-7	3.8E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	helicase	RT					29	6.2E-7	1.5E-5
<input type="checkbox"/>	GOTERM_MF_ALL	ATP-dependent helicase activity	RT					25	7.5E-6	6.7E-4
<input type="checkbox"/>	SMART	HELICc	RT					19	8.7E-6	8.7E-4
<input type="checkbox"/>	INTERPRO	DEAD-like helicase, N-terminal	RT					20	1.2E-4	6.5E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase ATP-binding	RT					14	1.4E-3	7.7E-1
<input type="checkbox"/>	INTERPRO	Helicase, superfamily 1 and 2, ATP-binding	RT					16	3.8E-3	5.1E-1
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, C-terminal	RT					15	6.8E-3	5.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase C-terminal	RT					12	7.9E-3	1.0E0
<input type="checkbox"/>	INTERPRO	SNF2-related	RT					8	8.0E-3	6.2E-1
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, DEAD/DEAH box type, N-terminal	RT					10	1.9E-2	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Q motif	RT					5	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	RNA helicase, DEAD-box type, Q motif	RT					5	2.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:DEAD box	RT					4	4.2E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 3.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	snoRNA binding	RT					6	2.5E-4	1.4E-2
<input type="checkbox"/>	GOTERM_CC_ALL	nucleolar part	RT					12	2.5E-4	2.9E-3
<input type="checkbox"/>	GOTERM_CC_ALL	small nucleolar ribonucleoprotein complex	RT					7	1.8E-3	1.9E-2
	Annotation Cluster 41	Enrichment Score: 3.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate biosynthetic process	RT					10	9.8E-6	7.1E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate metabolic process	RT					10	1.7E-5	1.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate biosynthetic process	RT					9	3.1E-5	1.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate metabolic process	RT					9	5.4E-5	3.1E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	purine biosynthesis	RT					7	3.3E-4	5.6E-3
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside monophosphate biosynthetic process	RT					5	1.4E-2	3.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside monophosphate biosynthetic process	RT					5	1.4E-2	3.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside monophosphate metabolic process	RT					5	1.9E-2	4.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside monophosphate metabolic process	RT					5	1.9E-2	4.0E-1
	Annotation Cluster 42	Enrichment Score: 3.19	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Chaperonin Cpn60	RT					7	6.1E-5	3.8E-2
<input type="checkbox"/>	INTERPRO	Chaperonin TCP-1	RT					7	1.2E-4	5.8E-2
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002584:molecular chaperone t-complex-type	RT					7	2.3E-4	3.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chaperonin-containing T-complex	RT					6	2.4E-4	2.9E-3
<input type="checkbox"/>	INTERPRO	Chaperonin Cpn60/TCP-1	RT					6	2.2E-3	4.1E-1

<input type="checkbox"/>												
<input type="checkbox"/>	GOTERM_CC_ALL	cytosolic part	RT							15	7.5E-2	4.3E-1
	Annotation Cluster 43		Enrichment Score: 3.1		G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle control	RT							15	4.5E-9	1.6E-7
<input type="checkbox"/>	GOTERM_MF_ALL	cyclin-dependent protein kinase regulator activity	RT							10	8.8E-5	6.2E-3
<input type="checkbox"/>	INTERPRO	Cyclin, C-terminal	RT							8	1.9E-4	7.1E-2
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001771:cyclin, A/B/D/E types	RT							7	2.3E-4	3.0E-1
<input type="checkbox"/>	INTERPRO	Cyclin, A/B/D/E	RT							6	8.0E-4	2.1E-1
<input type="checkbox"/>	SMART	CYCLIN	RT							9	1.4E-3	8.1E-2
<input type="checkbox"/>	INTERPRO	Cyclin	RT							9	4.6E-3	5.6E-1
<input type="checkbox"/>	INTERPRO	Cyclin-related	RT							9	5.7E-3	5.5E-1
<input type="checkbox"/>	INTERPRO	Cyclin, N-terminal	RT							8	6.4E-3	5.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase regulator activity	RT							14	7.2E-3	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	kinase regulator activity	RT							16	7.6E-3	2.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	p53 signaling pathway	RT							14	9.0E-3	1.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cyclin	RT							12	3.6E-2	3.0E-1
	Annotation Cluster 44		Enrichment Score: 3.08		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic cell cycle	RT							19	1.8E-4	9.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis	RT							18	4.8E-4	2.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of meiotic cell cycle	RT							18	4.8E-4	2.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis I	RT							8	1.1E-2	2.8E-1
	Annotation Cluster 45		Enrichment Score: 3.08		G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	isomerase	RT							30	1.2E-6	2.8E-5
<input type="checkbox"/>	GOTERM_MF_ALL	isomerase activity	RT							35	1.5E-6	1.6E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	Rotamase	RT							12	1.4E-4	2.7E-3
<input type="checkbox"/>	GOTERM_MF_ALL	peptidyl-prolyl cis-trans isomerase activity	RT							12	1.5E-4	9.7E-3
<input type="checkbox"/>	GOTERM_MF_ALL	cis-trans isomerase activity	RT							12	2.0E-4	1.2E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PPIase cyclophilin-type	RT							5	2.4E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidyl-prolyl cis-trans isomerase, cyclophilin-type	RT							5	5.2E-2	9.7E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001467:peptidylprolyl isomerase	RT							3	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidyl-prolyl cis-trans isomerase, FKBP-type	RT							4	1.5E-1	1.0E0
	Annotation Cluster 46		Enrichment Score: 3.07		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase metabolic process	RT							10	9.8E-6	7.1E-4
<input type="checkbox"/>	GOTERM_BP_ALL	heterocycle metabolic process	RT							19	4.8E-4	2.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	purine base metabolic process	RT							6	5.8E-4	2.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	aromatic compound metabolic process	RT							16	2.0E-1	9.7E-1
	Annotation Cluster 47		Enrichment Score: 2.95		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotidyltransferase activity	RT							26	2.9E-5	2.3E-3
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-directed RNA polymerase activity	RT							12	3.3E-4	1.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-directed rna polymerase	RT							10	2.2E-3	3.0E-2
<input type="checkbox"/>	KEGG_PATHWAY	RNA polymerase	RT							6	7.4E-2	5.4E-1
	Annotation Cluster 48		Enrichment Score: 2.94		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	kinetochore	RT							12	2.2E-6	3.7E-5
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome kinetochore	RT							4	1.9E-2	1.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome, pericentric region	RT							4	3.9E-2	2.8E-1
	Annotation Cluster 49		Enrichment Score: 2.85		G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	proteasome	RT							15	2.1E-4	3.8E-3
<input type="checkbox"/>	KEGG_PATHWAY	Proteasome	RT							10	1.9E-3	4.0E-2
<input type="checkbox"/>	GOTERM_CC_ALL	proteasome complex (sensu Eukaryota)	RT							9	7.0E-3	6.7E-2

Annotation Cluster 50		Enrichment Score: 2.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle checkpoint	RT		12	4.2E-4	1.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mitosis	RT		13	4.3E-4	1.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	spindle checkpoint	RT		5	1.9E-3	6.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle checkpoint	RT		8	3.5E-3	1.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle spindle assembly checkpoint	RT		4	1.2E-2	3.0E-1
Annotation Cluster 51		Enrichment Score: 2.73	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Phosphoribosyltransferase	RT		8	8.1E-6	7.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate biosynthetic process	RT		10	9.8E-6	7.1E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside monophosphate metabolic process	RT		10	1.7E-5	1.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate biosynthetic process	RT		9	3.1E-5	1.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside monophosphate metabolic process	RT		9	5.4E-5	3.1E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide biosynthesis	RT		6	5.8E-4	9.5E-3
<input type="checkbox"/>	INTERPRO	Phosphoribosyl pyrophosphate synthetase	RT		3	3.9E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	lipoate-protein liqase activity	RT		3	6.6E-2	7.6E-1
<input type="checkbox"/>	INTERPRO	Ribose-phosphate pyrophosphokinase	RT		3	8.7E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ribose phosphate diphosphokinase activity	RT		3	1.2E-1	9.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	diphosphotransferase activity	RT		3	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate kinase activity	RT		5	2.8E-1	9.9E-1
Annotation Cluster 52		Enrichment Score: 2.73	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of DNA metabolic process	RT		8	1.7E-4	8.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of DNA replication	RT		6	5.8E-4	2.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of DNA replication	RT		7	1.4E-3	5.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of DNA metabolic process	RT		9	2.2E-3	7.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	DNA integrity checkpoint	RT		6	7.2E-2	7.7E-1
Annotation Cluster 53		Enrichment Score: 2.67	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	outer membrane	RT		21	1.6E-5	2.4E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclear pore complex	RT		11	2.3E-5	4.7E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	porin	RT		12	2.6E-5	5.2E-4
<input type="checkbox"/>	GOTERM_MF_ALL	porin activity	RT		10	3.6E-4	2.0E-2
<input type="checkbox"/>	GOTERM_MF_ALL	nucleocytoplasmic transporter activity	RT		5	8.5E-3	2.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	wide pore channel activity	RT		10	1.4E-2	3.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT		14	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT		14	1.0E0	1.0E0
Annotation Cluster 54		Enrichment Score: 2.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	DNA helicase activity	RT		11	1.2E-5	1.0E-3
<input type="checkbox"/>	GOTERM_MF_ALL	ATP-dependent DNA helicase activity	RT		7	4.9E-4	2.6E-2
<input type="checkbox"/>	SMART	DEXDc2	RT		4	2.6E-3	1.2E-1
<input type="checkbox"/>	SMART	HELICc2	RT		4	2.6E-3	1.2E-1
<input type="checkbox"/>	INTERPRO	Helicase, superfamily 1 and 2, ATP-binding, DinG/Rad3-type	RT		4	5.5E-3	5.5E-1
<input type="checkbox"/>	INTERPRO	Helicase, ATP-dependent, c2 type	RT		4	5.5E-3	5.5E-1
<input type="checkbox"/>	INTERPRO	DNA helicase (DNA repair), Rad3 type	RT		4	5.5E-3	5.5E-1
<input type="checkbox"/>	INTERPRO	DEAD2	RT		4	5.5E-3	5.5E-1
<input type="checkbox"/>	COG_ONTOLOGY	Transcription / DNA replication, recombination, and repair	RT		5	3.1E-2	5.6E-1
Annotation Cluster 55		Enrichment Score: 2.51	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	interphase of mitotic cell cycle	RT		16	2.0E-4	9.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	interphase	RT		16	2.0E-4	9.9E-3

<input type="checkbox"/>	GOTERM_BP_ALL	S phase	RT		7	3.3E-4	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	S phase of mitotic cell cycle	RT		7	3.3E-4	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through mitotic cell cycle	RT		7	2.2E-2	4.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through S phase	RT		3	1.6E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of S phase of mitotic cell cycle	RT		3	1.6E-1	9.4E-1
Annotation Cluster 56		Enrichment Score: 2.5	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	WHEP-TRS	RT		5	2.5E-4	8.2E-2
<input type="checkbox"/>	INTERPRO	Aminoacyl-tRNA synthetase, class II	RT		6	3.3E-3	4.7E-1
<input type="checkbox"/>	INTERPRO	Anticodon-binding	RT		5	4.8E-3	5.6E-1
<input type="checkbox"/>	INTERPRO	Aminoacyl-tRNA synthetase, class II (G, H, P and S)	RT		4	2.5E-2	9.1E-1
Annotation Cluster 57		Enrichment Score: 2.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	WHEP-TRS	RT		5	2.5E-4	8.2E-2
<input type="checkbox"/>	INTERPRO	S15/NS1, RNA-binding	RT		4	2.4E-3	3.9E-1
<input type="checkbox"/>	INTERPRO	Aminoacyl-tRNA synthetase, class I	RT		8	8.0E-3	6.2E-1
<input type="checkbox"/>	INTERPRO	Rossmann-like alpha/beta/alpha sandwich fold	RT		7	2.9E-2	9.3E-1
Annotation Cluster 58		Enrichment Score: 2.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-1	RT		4	3.5E-3	9.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-2	RT		4	3.5E-3	9.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Histidine box-3	RT		4	3.5E-3	9.5E-1
Annotation Cluster 59		Enrichment Score: 2.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	Sm	RT		7	1.1E-3	6.9E-2
<input type="checkbox"/>	INTERPRO	Like-Sm ribonucleoprotein, eukaryotic and archaea-type, core	RT		7	4.0E-3	5.2E-1
<input type="checkbox"/>	INTERPRO	Like-Sm ribonucleoprotein, core	RT		7	5.3E-3	5.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process	RT		9	6.8E-3	1.8E-1
Annotation Cluster 60		Enrichment Score: 2.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair	RT		9	1.2E-3	4.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair via homologous recombination	RT		5	6.0E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	recombinational repair	RT		5	6.0E-3	1.7E-1
Annotation Cluster 61		Enrichment Score: 2.44	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity	RT		20	1.9E-4	1.1E-2
<input type="checkbox"/>	GOTERM_MF_ALL	tRNA-specific ribonuclease activity	RT		6	1.6E-3	7.6E-2
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease activity	RT		14	2.8E-3	1.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters	RT		8	5.0E-3	1.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease P activity	RT		5	5.5E-3	2.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 5'-phosphomonoesters	RT		7	1.3E-2	3.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity	RT		9	3.0E-2	5.7E-1
Annotation Cluster 62		Enrichment Score: 2.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome organization and biogenesis	RT		7	9.1E-4	3.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule organizing center organization and biogenesis	RT		7	1.4E-3	5.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome cycle	RT		6	1.8E-3	6.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome duplication	RT		3	9.8E-2	8.5E-1
Annotation Cluster 63		Enrichment Score: 2.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid synthesis	RT		28	1.2E-9	4.6E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	fatty acid biosynthesis	RT		12	6.8E-4	1.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid biosynthetic process	RT		13	1.7E-2	3.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Polyunsaturated fatty acid biosynthesis	RT		6	1.9E-2	2.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid biosynthetic process	RT		13	2.6E-2	4.9E-1

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid biosynthetic process	RT		13	2.6E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monocarboxylic acid metabolic process	RT		21	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid metabolic process	RT		15	6.3E-1	1.0E0
Annotation Cluster 64		Enrichment Score: 2.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Cyclins and Cell Cycle Regulation	RT		11	2.0E-4	2.9E-2
<input type="checkbox"/>	BIOCARTA	E2F1 Destruction Pathway	RT		6	1.3E-3	1.1E-1
<input type="checkbox"/>	BIOCARTA	Regulation of p27 Phosphorylation during Cell Cycle Progression	RT		6	3.9E-3	1.5E-1
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT		9	6.1E-3	2.0E-1
<input type="checkbox"/>	BIOCARTA	Cyclin E Destruction Pathway	RT		5	6.8E-3	1.9E-1
<input type="checkbox"/>	BIOCARTA	Influence of Ras and Rho proteins on G1 to S Transition	RT		8	2.7E-2	4.0E-1
<input type="checkbox"/>	BIOCARTA	p53 Signaling Pathway	RT		5	1.1E-1	7.6E-1
Annotation Cluster 65		Enrichment Score: 2.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		452	6.9E-25	4.4E-22
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT		356	2.1E-8	2.3E-6
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT		340	1.4E-6	1.6E-4
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT		285	7.9E-5	4.5E-3
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT		184	2.2E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT		109	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT		96	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT		177	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT		192	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		166	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT		290	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT		156	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT		154	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT		181	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT		172	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT		158	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT		314	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT		145	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT		344	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT		72	1.0E0	1.0E0
Annotation Cluster 66		Enrichment Score: 2.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	RecA bacterial DNA recombination	RT		5	1.5E-3	3.3E-1
<input type="checkbox"/>	INTERPRO	Rad51, C-terminal	RT		4	5.5E-3	5.5E-1
<input type="checkbox"/>	PIRSUPERFAMILY	PIRSF005856:DNA repair and recombination protein, Rad51 type	RT		3	7.6E-2	1.0E0
Annotation Cluster 67		Enrichment Score: 2.02	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of organelle localization	RT		9	2.8E-3	9.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of chromosome localization	RT		4	1.2E-2	3.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome localization	RT		4	1.2E-2	3.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organelle localization	RT		9	1.9E-2	4.1E-1
Annotation Cluster 68		Enrichment Score: 2.01	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Phosphoribosyltransferase	RT		8	8.1E-6	7.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside metabolic process	RT		12	1.8E-5	1.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	purine base metabolic process	RT		6	5.8E-4	2.4E-2
<input type="checkbox"/>	INTERPRO	Purine/pyrimidine phosphoribosyl transferase	RT		5	7.0E-4	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside metabolic process	RT		5	6.0E-3	1.7E-1

<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring pentosyl groups	RT		10	1.0E-2	3.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside metabolic process	RT		4	1.2E-2	3.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	adenine salvage	RT		3	2.4E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	adenine metabolic process	RT		3	2.4E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine base salvage	RT		3	2.4E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside metabolic process	RT		4	3.0E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside salvage	RT		3	4.4E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine salvage	RT		3	4.4E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside salvage	RT		3	4.4E-2	6.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	purine salvage	RT		3	4.4E-2	3.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	salvage pathway	RT		3	6.9E-2	4.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	pentosyltransferase	RT		3	6.9E-2	4.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic compound salvage	RT		3	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	grooming behavior	RT		3	1.3E-1	9.1E-1
Annotation Cluster 69		Enrichment Score: 1.98	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	exosome (RNase complex)	RT		8	1.4E-4	1.9E-3
<input type="checkbox"/>	GOTERM_MF_ALL	3'-5' exonuclease activity	RT		10	1.9E-4	1.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	Exosome	RT		6	5.8E-4	9.5E-3
<input type="checkbox"/>	INTERPRO	Exoribonuclease, phosphorolytic domain 1	RT		4	1.7E-2	8.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	3'-5'-exoribonuclease activity	RT		4	5.2E-2	7.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	exonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters	RT		5	8.2E-2	8.2E-1
<input type="checkbox"/>	INTERPRO	Exoribonuclease, phosphorolytic domain 2	RT		3	8.7E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	exoribonuclease activity	RT		4	1.2E-1	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	exoribonuclease activity, producing 5'-phosphomonoesters	RT		4	1.2E-1	9.2E-1
Annotation Cluster 70		Enrichment Score: 1.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleobase, nucleoside, nucleotide kinase activity	RT		11	1.7E-3	8.0E-2
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, phosphate group as acceptor	RT		8	1.7E-2	4.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide kinase activity	RT		5	7.0E-2	7.7E-1
Annotation Cluster 71		Enrichment Score: 1.88	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	S1	RT		5	6.2E-3	2.3E-1
<input type="checkbox"/>	INTERPRO	S1, RNA binding	RT		5	1.5E-2	8.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:S1 motif	RT		4	2.4E-2	1.0E0
Annotation Cluster 72		Enrichment Score: 1.88	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	compositionally biased region:Arg/Ser-rich (RS domain)	RT		6	8.1E-4	5.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spliceosome assembly	RT		9	1.2E-3	4.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA splice site selection	RT		5	4.2E-2	6.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	compositionally biased region:Gly-rich (hinge region)	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	RNA splicing factor activity, transesterification mechanism	RT		4	1.2E-1	9.2E-1
Annotation Cluster 73		Enrichment Score: 1.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT		19	4.0E-5	2.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT		18	9.6E-5	5.3E-3
<input type="checkbox"/>	INTERPRO	Importin-beta, N-terminal	RT		8	1.2E-4	5.9E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus, docking	RT		8	1.7E-4	8.9E-3
<input type="checkbox"/>	INTERPRO	Armadillo-like helical	RT		21	2.7E-4	8.4E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Importin N-terminal	RT		7	4.8E-4	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein complex assembly	RT		11	6.4E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribosomal protein import into nucleus	RT		3	6.9E-2	7.6E-1

<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 6	RT		5	7.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 5	RT		5	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 4	RT		5	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 3	RT		5	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 1	RT		5	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 2	RT		5	2.0E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Intracellular trafficking and secretion	RT		9	3.4E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 8	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:HEAT 7	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT		15	7.0E-1	1.0E0
Annotation Cluster 74		Enrichment Score: 1.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	inner membrane	RT		18	1.2E-3	1.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrion organization and biogenesis	RT		17	1.8E-3	6.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrial membrane organization and biogenesis	RT		8	2.6E-3	8.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	inner mitochondrial membrane organization and biogenesis	RT		5	3.6E-3	1.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial intermembrane space	RT		6	5.5E-3	5.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into mitochondrion	RT		5	9.3E-3	2.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope lumen	RT		7	1.6E-2	1.4E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, Tim10/DDP-type	RT		4	1.7E-2	8.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial intermembrane space protein transporter complex	RT		4	1.9E-2	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrial transport	RT		8	2.0E-2	4.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into mitochondrial inner membrane	RT		4	2.0E-2	4.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane presequence translocase complex	RT		4	2.8E-2	2.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	macromolecule transmembrane transporter activity	RT		5	3.0E-2	5.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven protein transmembrane transporter activity	RT		5	3.0E-2	5.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane part	RT		10	5.2E-2	3.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting to mitochondrion	RT		4	7.2E-2	7.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Twin CX3C motif	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein transmembrane transporter activity	RT		5	1.4E-1	9.4E-1
Annotation Cluster 75		Enrichment Score: 1.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	One carbon pool by folate	RT		10	4.0E-6	1.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound biosynthetic process	RT		24	1.5E-5	1.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	amine biosynthetic process	RT		20	2.1E-5	1.3E-3
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid biosynthetic process	RT		13	8.2E-4	3.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	one-carbon metabolism	RT		7	9.1E-4	1.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors, NAD or NADP as acceptor	RT		7	1.2E-3	5.9E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	amino-acid biosynthesis	RT		8	1.9E-3	2.6E-2
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines	RT		8	6.3E-3	2.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors	RT		7	2.0E-2	4.7E-1
<input type="checkbox"/>	INTERPRO	Tetrahydrofolate dehydrogenase/cyclohydrolase	RT		3	2.1E-2	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	methylenetetrahydrofolate dehydrogenase activity	RT		3	2.2E-2	5.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	methylenetetrahydrofolate dehydrogenase (NADP+) activity	RT		3	2.2E-2	5.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	methylenetetrahydrofolate cyclohydrolase	RT		3	2.2E-2	5.0E-1

<input type="checkbox"/>		activity	RT						
<input type="checkbox"/>	GOTERM_BP_ALL	folic acid and derivative biosynthetic process	RT			4	3.0E-2	5.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	methionine metabolic process	RT			4	4.2E-2	6.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	methionine biosynthetic process	RT			4	4.2E-2	6.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine biosynthetic process	RT			3	4.4E-2	6.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine family amino acid biosynthetic process	RT			3	4.4E-2	6.3E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Glyoxylate and dicarboxylate metabolism	RT			5	4.9E-2	4.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid biosynthetic process	RT			5	5.2E-2	6.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid metabolic process	RT			5	7.5E-2	7.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur amino acid metabolic process	RT			5	8.9E-2	8.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur amino acid biosynthetic process	RT			4	1.1E-1	8.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	folic acid and derivative metabolic process	RT			4	1.1E-1	8.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine metabolic process	RT			3	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	histidine family amino acid metabolic process	RT			3	4.0E-1	1.0E0	
<input type="checkbox"/>	COG_ONTOLOGY	Coenzyme metabolism	RT			6	4.6E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur metabolic process	RT			7	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur compound biosynthetic process	RT			4	7.7E-1	1.0E0	
	Annotation Cluster 76	Enrichment Score: 1.75	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT			655	1.5E-12	2.5E-10	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT			311	1.8E-3	6.5E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT			311	4.4E-3	1.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT			318	6.8E-3	1.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT			139	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT			68	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT			68	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT			54	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT			126	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT			105	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT			43	9.9E-1	1.0E0	
	Annotation Cluster 77	Enrichment Score: 1.75	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	L-serine metabolic process	RT			5	1.9E-3	6.8E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	serine family amino acid metabolic process	RT			7	5.5E-3	1.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	serine family amino acid biosynthetic process	RT			4	2.0E-2	4.2E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine biosynthesis	RT			3	2.4E-2	2.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	L-serine biosynthetic process	RT			3	4.4E-2	6.3E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Glycine, serine and threonine metabolism	RT			8	1.5E-1	6.9E-1	
	Annotation Cluster 78	Enrichment Score: 1.74	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle checkpoint	RT			12	4.2E-4	1.9E-2	
<input type="checkbox"/>	BIOCARTA	Role of BRCA1, BRCA2 and ATR in Cancer Susceptibility	RT			8	2.6E-3	1.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA integrity checkpoint	RT			6	7.2E-2	7.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction	RT			8	7.6E-2	7.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage checkpoint	RT			4	3.3E-1	9.9E-1	
	Annotation Cluster 79	Enrichment Score: 1.72	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridylate synthase activity	RT			7	1.5E-4	9.7E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	RNA modification	RT			9	9.2E-4	3.6E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA modification	RT			5	6.0E-3	1.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	pseudouridine synthesis	RT			5	9.3E-3	2.4E-1	

<input type="checkbox"/>	GOTERM_BP_ALL	tRNA pseudouridine synthesis	RT					3	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	intramolecular transferase activity	RT					6	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridine synthase activity	RT					4	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	tRNA-pseudouridine synthase activity	RT					3	5.1E-1	1.0E0
	Annotation Cluster 80	Enrichment Score: 1.61	G					Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002306:tubulin	RT					8	9.0E-4	6.0E-1
<input type="checkbox"/>	INTERPRO	Tubulin/FtsZ, C-terminal	RT					6	6.6E-3	5.8E-1
<input type="checkbox"/>	INTERPRO	Tubulin/FtsZ, GTPase	RT					6	6.6E-3	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein polymerization	RT					11	1.0E-2	2.6E-1
<input type="checkbox"/>	COG_ONTOLOGY	Cytoskeleton	RT					10	5.0E-2	6.4E-1
<input type="checkbox"/>	INTERPRO	Alpha tubulin	RT					3	8.7E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	Tubulin	RT					5	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	structural constituent of cytoskeleton	RT					7	7.5E-1	1.0E0
	Annotation Cluster 81	Enrichment Score: 1.6	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	TPR	RT					20	3.9E-5	2.9E-3
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT					21	9.9E-4	2.4E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT					19	1.5E-3	3.2E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR-1	RT					16	2.3E-3	4.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	TPR repeat	RT					20	6.6E-3	7.8E-2
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 3	RT					11	3.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 1	RT					11	4.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 2	RT					11	4.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 9	RT					4	6.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR2	RT					8	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 7	RT					5	2.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 4	RT					6	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 8	RT					4	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 6	RT					5	2.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 5	RT					5	3.2E-1	1.0E0
	Annotation Cluster 82	Enrichment Score: 1.59	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:"KMSKS" region	RT					4	2.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:"HIGH" region	RT					4	2.4E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Rossmann-like alpha/beta/alpha sandwich fold	RT					7	2.9E-2	9.3E-1
	Annotation Cluster 83	Enrichment Score: 1.56	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	BRCT	RT					6	1.3E-2	4.1E-1
<input type="checkbox"/>	INTERPRO	BRCT	RT					6	3.5E-2	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:BRCT 1	RT					4	3.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:BRCT 2	RT					4	3.6E-2	1.0E0
	Annotation Cluster 84	Enrichment Score: 1.55	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Isoprene biosynthesis	RT					5	3.6E-3	4.4E-2
<input type="checkbox"/>	GOTERM_MF_ALL	prenyltransferase activity	RT					6	4.8E-2	7.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring alkyl or aryl (other than methyl) groups	RT					9	1.3E-1	9.2E-1
	Annotation Cluster 85	Enrichment Score: 1.53	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine biosynthetic process	RT					6	1.1E-4	6.1E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	Polyamine biosynthesis	RT					5	9.0E-4	1.3E-2
<input type="checkbox"/>	KEGG_PATHWAY	Methionine metabolism	RT					7	9.2E-3	1.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine metabolic process	RT					6	1.5E-2	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermidine biosynthetic process	RT					3	2.4E-2	4.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	spermidine biosynthesis	RT					3	2.4E-2	2.2E-1

<input type="checkbox"/>	GOTERM_MF_ALL	carboxy-lyase activity	RT		8	2.4E-2	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine biosynthetic process	RT		7	2.7E-2	5.0E-1
<input type="checkbox"/>	INTERPRO	Ornithine decarboxylase	RT		3	3.9E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-carbon lyase activity	RT		9	4.8E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative biosynthetic process	RT		7	5.8E-2	7.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	decarboxylase	RT		6	6.2E-2	4.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermidine metabolic process	RT		3	6.9E-2	7.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	lyase	RT		17	7.1E-2	4.8E-1
<input type="checkbox"/>	INTERPRO	Orn/DAP/Arg decarboxylase 2	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative metabolic process	RT		13	1.4E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine metabolic process	RT		10	2.7E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Urea cycle and metabolism of amino groups	RT		5	3.7E-1	9.1E-1
Annotation Cluster 86		Enrichment Score: 1.53	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair	RT		9	1.2E-3	4.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	double-strand break repair via nonhomologous end joining	RT		3	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	non-recombinational repair	RT		3	1.6E-1	9.4E-1
Annotation Cluster 87		Enrichment Score: 1.53	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA-directed DNA polymerase	RT		9	2.2E-4	3.9E-3
<input type="checkbox"/>	INTERPRO	DNA polymerase, B region	RT		3	3.9E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	DNA polymerase B, exonuclease	RT		3	3.9E-2	9.4E-1
<input type="checkbox"/>	SMART	POLBc	RT		3	5.5E-2	7.6E-1
<input type="checkbox"/>	INTERPRO	DNA-directed DNA polymerase B	RT		3	8.7E-2	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C4-type	RT		6	4.2E-1	1.0E0
Annotation Cluster 88		Enrichment Score: 1.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	molecular chaperone	RT		11	8.7E-7	2.0E-5
<input type="checkbox"/>	INTERPRO	Heat shock protein Hsp70	RT		6	2.2E-3	4.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	stress response	RT		12	2.4E-3	3.1E-2
<input type="checkbox"/>	GOTERM_MF_ALL	TPR domain binding	RT		4	2.6E-3	1.1E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002583:heat shock protein, HSP90/HTPG types	RT		4	3.3E-3	9.2E-1
<input type="checkbox"/>	SMART	HATPase_c	RT		6	5.3E-3	2.2E-1
<input type="checkbox"/>	INTERPRO	Heat shock protein Hsp90	RT		4	1.0E-2	7.0E-1
<input type="checkbox"/>	INTERPRO	Heat shock protein 70	RT		5	2.0E-2	8.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	estrogen-induced protein	RT		3	2.4E-2	2.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	stress-induced protein	RT		4	3.0E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	heat shock	RT		4	3.0E-2	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to heat	RT		7	3.2E-2	5.4E-1
<input type="checkbox"/>	INTERPRO	ATP-binding region, ATPase-like	RT		5	4.2E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to unfolded protein	RT		12	4.7E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to protein stimulus	RT		12	4.7E-2	6.5E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002581:chaperone HSP70	RT		4	4.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nitric-oxide synthase regulator activity	RT		3	6.6E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to temperature stimulus	RT		8	9.3E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nitric oxide biosynthetic process	RT		4	1.1E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nitric oxide biosynthetic process	RT		3	2.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to abiotic stimulus	RT		19	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide metabolic process	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide biosynthetic process	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Antigen processing and presentation	RT		10	4.4E-1	9.4E-1

<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biosynthetic process	RT					4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT					14	9.8E-1	1.0E0
	Annotation Cluster 89	Enrichment Score: 1.5	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	one-carbon compound metabolic process	RT					24	4.9E-6	3.7E-4
<input type="checkbox"/>	KEGG_PATHWAY	Selenoamino acid metabolism	RT					10	1.1E-3	2.9E-2
<input type="checkbox"/>	KEGG_PATHWAY	Aminophosphonate metabolism	RT					7	1.8E-3	4.2E-2
<input type="checkbox"/>	GOTERM_MF_ALL	histone methyltransferase activity	RT					8	7.9E-3	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT					12	8.6E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT					12	1.3E-2	3.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	Naphthalene and anthracene degradation	RT					6	1.9E-2	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein methyltransferase activity	RT					9	2.0E-2	4.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid alkylation	RT					8	3.1E-2	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid methylation	RT					8	3.1E-2	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-arginine methylation	RT					3	4.4E-2	6.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-methyltransferase activity	RT					8	6.1E-2	7.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	arginine N-methyltransferase activity	RT					3	6.6E-2	7.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein-arginine N-methyltransferase activity	RT					3	6.6E-2	7.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	histone-arginine N-methyltransferase activity	RT					3	6.6E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-arginine modification	RT					3	6.9E-2	7.6E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF037127:type 1 arginine N-methyltransferase	RT					3	7.6E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Tyrosine metabolism	RT					9	1.1E-1	6.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:S-adenosyl-L-methionine	RT					4	1.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Histidine metabolism	RT					7	1.7E-1	7.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Androgen and estrogen metabolism	RT					8	2.2E-1	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	histone methylation	RT					4	2.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	histone modification	RT					7	2.3E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Tryptophan metabolism	RT					8	2.3E-1	8.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:S-adenosyl-L-methionine; via carbonyl oxygen	RT					3	2.6E-1	1.0E0
	Annotation Cluster 90	Enrichment Score: 1.5	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase biosynthetic process	RT					5	3.6E-3	1.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine base metabolic process	RT					4	4.2E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	'de novo' pyrimidine base biosynthetic process	RT					3	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine base biosynthetic process	RT					3	9.8E-2	8.5E-1
	Annotation Cluster 91	Enrichment Score: 1.5	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	XPGN	RT					3	2.4E-2	5.2E-1
<input type="checkbox"/>	SMART	XPGI	RT					3	2.4E-2	5.2E-1
<input type="checkbox"/>	SMART	HhH2	RT					3	2.4E-2	5.2E-1
<input type="checkbox"/>	INTERPRO	Helix-hairpin-helix motif, class 2	RT					3	3.9E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	XPG N-terminal	RT					3	3.9E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	DNA repair protein (XPGC)/yeast Rad	RT					3	3.9E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	XPG I	RT					3	3.9E-2	9.4E-1
	Annotation Cluster 92	Enrichment Score: 1.47	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors, NAD or NADP as acceptor	RT					7	1.2E-3	5.9E-2
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-NH group of donors	RT					7	2.0E-2	4.7E-1
<input type="checkbox"/>	INTERPRO	Delta 1-pyrroline-5-carboxylate reductase	RT					3	2.1E-2	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pyrroline-5-carboxylate reductase activity	RT					3	2.2E-2	5.0E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000193:pyrroline-5-carboxylate	DT					3	2.6E-2	1.0E0

<input type="checkbox"/>		reductase	RT						
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid metabolic process	RT			8	4.7E-2	6.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	proline biosynthetic process	RT			3	6.9E-2	7.6E-1	
<input type="checkbox"/>	INTERPRO	NADP oxidoreductase, coenzyme F420-dependent	RT			3	1.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	proline metabolic process	RT			3	1.3E-1	9.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid biosynthetic process	RT			4	1.5E-1	9.4E-1	
	Annotation Cluster 93	Enrichment Score: 1.43	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle small ribosomal subunit	RT			4	2.8E-2	2.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial small ribosomal subunit	RT			4	2.8E-2	2.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	small ribosomal subunit	RT			7	6.7E-2	4.0E-1	
	Annotation Cluster 94	Enrichment Score: 1.42	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquinone biosynthetic process	RT			4	3.0E-2	5.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquinone metabolic process	RT			4	3.0E-2	5.2E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	ubiquinone biosynthesis	RT			4	3.0E-2	2.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	quinone cofactor biosynthetic process	RT			4	4.2E-2	6.2E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Ubiquinone biosynthesis	RT			4	4.8E-2	4.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	quinone cofactor metabolic process	RT			4	5.6E-2	7.0E-1	
	Annotation Cluster 95	Enrichment Score: 1.41	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	SMART	eIF1a	RT			3	3.8E-2	6.6E-1	
<input type="checkbox"/>	INTERPRO	Eukaryotic initiation factor 1A (eIF-1A)	RT			3	3.9E-2	9.4E-1	
<input type="checkbox"/>	INTERPRO	S1, IF1 type	RT			3	3.9E-2	9.4E-1	
	Annotation Cluster 96	Enrichment Score: 1.35	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	RNA catabolic process	RT			10	6.2E-3	1.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process	RT			9	6.8E-3	1.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process, nonsense-mediated decay	RT			4	2.7E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nonsense-mediated mRNA decay	RT			3	3.4E-1	9.5E-1	
	Annotation Cluster 97	Enrichment Score: 1.32	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Transcription factor E2F/dimerisation partner (TDP)	RT			7	1.2E-4	5.8E-2	
<input type="checkbox"/>	INTERPRO	E2F Family	RT			6	2.1E-4	7.2E-2	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:DEF box	RT			4	8.1E-3	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Cyclin A/CDK2 binding	RT			3	2.7E-2	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF019596:transcription factor E2F	RT			3	4.8E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Dimerization	RT			4	6.7E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Transactivation	RT			3	7.9E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Leucine-zipper	RT			12	2.3E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT			9	2.7E-1	8.5E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT			8	3.2E-1	8.9E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT			9	5.1E-1	9.6E-1	
<input type="checkbox"/>	INTERPRO	Winged helix repressor DNA-binding	RT			10	5.9E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT			7	7.4E-1	9.9E-1	
	Annotation Cluster 98	Enrichment Score: 1.32	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT			50	2.9E-4	1.4E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin remodeling	RT			10	2.8E-2	5.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT			10	3.2E-2	5.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT			30	1.2E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT			21	2.2E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT			27	2.5E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT			12	3.4E-1	9.5E-1	

Annotation Cluster 99		Enrichment Score: 1.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide metabolic process	RT		6	4.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside diphosphate metabolic process	RT		3	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside diphosphate metabolic process	RT		3	4.0E-1	1.0E0
Annotation Cluster 100		Enrichment Score: 1.29	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	ubiquinone	RT		9	2.3E-2	2.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	NAD	RT		24	2.7E-2	2.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase (quinone) activity	RT		8	5.4E-2	7.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase activity	RT		8	5.4E-2	7.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NADH dehydrogenase (ubiquinone) activity	RT		8	5.4E-2	7.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH	RT		11	5.5E-2	7.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	RT		8	8.3E-2	8.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Oxidative phosphorylation	RT		17	9.9E-2	5.9E-1
Annotation Cluster 101		Enrichment Score: 1.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide metabolic process	RT		6	4.4E-3	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside triphosphate metabolic process	RT		6	1.5E-2	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleotide metabolic process	RT		4	3.0E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside metabolic process	RT		4	5.6E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleotide biosynthetic process	RT		3	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleoside triphosphate metabolic process	RT		3	9.8E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine deoxyribonucleoside metabolic process	RT		3	9.8E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleotide biosynthetic process	RT		3	9.8E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside metabolic process	RT		3	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	deoxyribonucleoside triphosphate metabolic process	RT		3	1.6E-1	9.4E-1
Annotation Cluster 102		Enrichment Score: 1.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	heat shock protein binding	RT		12	1.1E-2	3.2E-1
<input type="checkbox"/>	SMART	DnaJ	RT		8	2.5E-2	5.1E-1
<input type="checkbox"/>	INTERPRO	Heat shock protein DnaJ, N-terminal	RT		8	5.7E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Molecular chaperone, heat shock protein, Hsp40, DnaJ	RT		7	5.9E-2	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:J	RT		4	5.0E-1	1.0E0
Annotation Cluster 103		Enrichment Score: 1.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleotide metabolic process	RT		10	3.2E-4	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleotide biosynthetic process	RT		9	3.3E-4	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine nucleoside triphosphate metabolic process	RT		6	1.5E-2	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleotide biosynthetic process	RT		4	1.1E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleotide metabolic process	RT		4	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	CTP biosynthetic process	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	CTP metabolic process	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleoside triphosphate biosynthetic process	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pyrimidine ribonucleoside triphosphate metabolic process	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate biosynthetic process	RT		8	2.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT		8	3.7E-1	1.0E0
Annotation Cluster 104		Enrichment Score: 1.21	G		Count	P_Value	Benjamini

<input type="checkbox"/>	Category	Description	RT	Bar	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of fidelity during DNA-dependent DNA replication	RT		6	8.7E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mismatch repair	RT		5	3.3E-2	5.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	mismatched DNA binding	RT		3	2.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	double-stranded DNA binding	RT		5	2.4E-1	9.8E-1
Annotation Cluster 105		Enrichment Score: 1.19	G				
<input type="checkbox"/>	SP_PIR_KEYWORDS	redox-active center	RT		10	5.1E-3	6.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cell redox homeostasis	RT		12	6.5E-3	1.8E-1
<input type="checkbox"/>	INTERPRO	Thioredoxin domain	RT		7	1.1E-2	7.2E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001487:protein disulfide-isomerase	RT		4	2.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Thioredoxin 2	RT		4	2.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Thioredoxin 1	RT		4	2.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Prevents secretion from ER	RT		9	2.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Thioredoxin-related	RT		7	2.9E-2	9.3E-1
<input type="checkbox"/>	INTERPRO	Disulphide isomerase	RT		3	6.2E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Endoplasmic reticulum targeting sequence	RT		9	8.0E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	intramolecular oxidoreductase activity	RT		8	1.2E-1	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein disulfide isomerase activity	RT		3	1.5E-1	9.4E-1
<input type="checkbox"/>	INTERPRO	Thioredoxin fold	RT		10	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT		19	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT		25	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological quality	RT		40	1.0E0	1.0E0
Annotation Cluster 106		Enrichment Score: 1.18	G				
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-1	RT		5	3.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-3	RT		4	3.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-2	RT		5	4.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-2	RT		5	4.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-1	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1-4	RT		3	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2-3	RT		3	1.8E-1	1.0E0
Annotation Cluster 107		Enrichment Score: 1.18	G				
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis I	RT		8	1.1E-2	2.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic prophase I	RT		3	1.6E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	prophase	RT		3	1.6E-1	9.4E-1
Annotation Cluster 108		Enrichment Score: 1.15	G				
<input type="checkbox"/>	BIOCARTA	RB Tumor Suppressor/Checkpoint Signaling in response to DNA damage	RT		5	2.5E-2	4.0E-1
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT		6	8.3E-2	7.5E-1
<input type="checkbox"/>	BIOCARTA	cdc25 and chk1 Regulatory Pathway in response to DNA damage	RT		3	1.7E-1	8.1E-1
Annotation Cluster 109		Enrichment Score: 1.12	G				
<input type="checkbox"/>	GOTERM_MF_ALL	hormone receptor binding	RT		7	2.0E-2	4.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nuclear hormone receptor binding	RT		6	4.8E-2	7.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	thyroid hormone receptor binding	RT		3	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor binding	RT		3	2.2E-1	9.8E-1
Annotation Cluster 110		Enrichment Score: 1.11	G				
<input type="checkbox"/>	SMART	DSRM	RT		6	1.9E-2	4.9E-1
<input type="checkbox"/>	INTERPRO	Double-stranded RNA-binding-like	RT		6	1.9E-2	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	double-stranded RNA binding	RT		7	1.1E-1	8.9E-1
<input type="checkbox"/>	INTERPRO	Double-stranded RNA binding	RT		5	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:DRBM 2	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:DRBM 1	RT		3	2.2E-1	1.0E0

Annotation Cluster 111		Enrichment Score: 1.11		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	KH	RT			7	1.5E-2	4.3E-1
<input type="checkbox"/>	INTERPRO	K Homology	RT			7	3.9E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	K Homology, type 1	RT			7	4.5E-2	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 2	RT			3	3.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 1	RT			3	3.3E-1	1.0E0
Annotation Cluster 112		Enrichment Score: 1.08		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT			12	8.6E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT			12	1.3E-2	3.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression, epigenetic	RT			10	6.6E-2	7.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA methylation	RT			4	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA alkylation	RT			4	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA modification	RT			4	4.0E-1	1.0E0
Annotation Cluster 113		Enrichment Score: 1.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst growth	RT			6	6.3E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	inner cell mass cell proliferation	RT			4	3.0E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst development	RT			8	3.6E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	developmental growth	RT			8	1.9E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT			14	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT			13	1.0E0	1.0E0
Annotation Cluster 114		Enrichment Score: 1.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	heterochromatin	RT			12	4.2E-4	4.8E-3
<input type="checkbox"/>	INTERPRO	SNF2-related	RT			8	8.0E-3	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin remodeling	RT			10	2.8E-2	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT			10	3.2E-2	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gene silencing	RT			8	4.2E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression, epigenetic	RT			10	6.6E-2	7.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	methylation-dependent chromatin silencing	RT			3	6.9E-2	7.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin remodeling complex	RT			5	1.1E-1	5.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	SWI/SNF complex	RT			3	1.2E-1	5.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin silencing	RT			4	1.7E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	heterochromatin formation	RT			4	1.7E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein-DNA complex assembly	RT			12	2.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of gene expression, epigenetic	RT			4	2.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly	RT			9	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT			12	3.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Control of Gene Expression by Vitamin D Receptor	RT			5	3.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleosome assembly	RT			7	4.2E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Chromatin Remodeling by hSWI/SNF ATP-dependent Complexes	RT			3	6.0E-1	9.8E-1
Annotation Cluster 115		Enrichment Score: 1.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT			24	5.4E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT			15	6.1E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT			16	1.0E-1	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT			25	2.0E-1	9.7E-1
Annotation Cluster 116		Enrichment Score: 1.03		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromatin	RT			8	1.4E-2	1.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear heterochromatin	RT			6	4.8E-2	3.2E-1
<input type="checkbox"/>	SMART	CHROMO	RT			4	2.8E-1	1.0E0

<input type="checkbox"/>	INTERPRO	Chromo	RT		4	3.9E-1	1.0E0	
		Annotation Cluster 117	Enrichment Score: 1.02	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	polyol metabolic process	RT		6	4.5E-2	6.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	glycerol metabolic process	RT		5	1.2E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	glycerol-3-phosphate metabolic process	RT		3	1.6E-1	9.4E-1	
		Annotation Cluster 118	Enrichment Score: 0.98	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	TUDOR	RT		5	6.2E-2	7.9E-1	
<input type="checkbox"/>	INTERPRO	Tudor	RT		5	7.4E-2	9.9E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Tudor	RT		3	1.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Maternal tudor protein	RT		3	1.8E-1	1.0E0	
		Annotation Cluster 119	Enrichment Score: 0.94	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide biosynthetic process	RT		32	3.6E-6	2.8E-4	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT		41	1.8E-5	1.2E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide biosynthetic process	RT		20	8.1E-5	4.5E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT		37	1.2E-4	6.2E-3	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide metabolic process	RT		20	4.2E-4	1.9E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide biosynthetic process	RT		18	4.8E-4	2.1E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide metabolic process	RT		18	2.3E-3	7.7E-2	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide biosynthetic process	RT		13	2.4E-2	4.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide metabolic process	RT		13	5.0E-2	6.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		15	6.1E-2	7.3E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex, coupling factor F(o)	RT		4	6.7E-2	4.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex, proton-transporting domain	RT		4	6.7E-2	4.1E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	CF(0)	RT		4	7.2E-2	4.8E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex	RT		5	9.5E-2	5.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate biosynthetic process	RT		10	1.1E-1	8.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate metabolic process	RT		11	1.3E-1	9.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate biosynthetic process	RT		8	2.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT		8	3.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrogen ion transport	RT		6	3.8E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate biosynthetic process	RT		7	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate biosynthetic process	RT		7	4.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolic process	RT		7	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate metabolic process	RT		7	5.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ATP synthesis coupled proton transport	RT		5	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		14	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	cation-transporting ATPase activity	RT		6	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		14	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		14	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATP synthase activity, rotational mechanism	RT		5	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATPase activity, rotational mechanism	RT		5	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ATP biosynthetic process	RT		5	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside phosphate metabolic process	RT		5	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	proton transport	RT		7	6.5E-1	1.0E0	

<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP synthesis	RT		3	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ATP metabolic process	RT		5	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen transport	RT		7	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	oxidative phosphorylation	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transmembrane transporter activity	RT		8	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		7	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monovalent inorganic cation transmembrane transporter activity	RT		8	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		26	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		9	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		9	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances	RT		9	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		12	1.0E0	1.0E0
	Annotation Cluster 120	Enrichment Score: 0.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT		15	3.2E-4	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translational initiation	RT		6	3.7E-2	5.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	translation regulation	RT		6	1.2E-1	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT		17	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT		13	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT		12	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT		22	8.7E-1	1.0E0
	Annotation Cluster 121	Enrichment Score: 0.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 10	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 11	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 9	RT		3	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 8	RT		3	4.1E-1	1.0E0
	Annotation Cluster 122	Enrichment Score: 0.87	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	superoxide dismutase activity	RT		4	5.2E-2	7.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on superoxide radicals as acceptor	RT		4	5.2E-2	7.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	copper, zinc superoxide dismutase activity	RT		3	1.2E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	superoxide metabolic process	RT		4	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	oxygen and reactive oxygen species metabolic process	RT		5	4.2E-1	1.0E0
	Annotation Cluster 123	Enrichment Score: 0.86	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Polyunsaturated fatty acid biosynthesis	RT		6	1.9E-2	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	stearoyl-CoA 9-desaturase activity	RT		3	6.6E-2	7.6E-1
<input type="checkbox"/>	INTERPRO	Fatty acid desaturase, type 1, N-terminal	RT		3	8.7E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	Fatty acid desaturase, type 1	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water	RT		3	1.2E-1	9.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	PPAR signaling pathway	RT		8	5.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen	RT		8	9.6E-1	1.0E0
	Annotation Cluster 124	Enrichment Score: 0.83	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	proteasome complex (sensu Eukaryota)	RT		9	7.0E-3	6.7E-2

<input type="checkbox"/>	INTERPRO	20S proteasome, A and B subunits	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Threonine protease	RT		4	2.7E-1	9.0E-1
<input type="checkbox"/>	INTERPRO	Peptidase T1A, proteasome beta-subunit	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteasome core complex (sensu Eukaryota)	RT		4	2.8E-1	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	threonine endopeptidase activity	RT		4	3.1E-1	9.9E-1
	Annotation Cluster 125	Enrichment Score: 0.82	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	histone methyltransferase activity	RT		8	7.9E-3	2.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein methyltransferase activity	RT		9	2.0E-2	4.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-methyltransferase activity	RT		8	6.1E-2	7.5E-1
<input type="checkbox"/>	SMART	SET	RT		6	1.3E-1	9.5E-1
<input type="checkbox"/>	SMART	PostSET	RT		3	2.1E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	SET	RT		6	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Post-SET zinc-binding region	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SET	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	histone-lysine N-methyltransferase activity	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lysine N-methyltransferase activity	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein-lysine N-methyltransferase activity	RT		3	4.8E-1	1.0E0
	Annotation Cluster 126	Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Rhodanese	RT		5	2.4E-2	1.0E0
<input type="checkbox"/>	SMART	RHOD	RT		5	4.0E-2	6.6E-1
<input type="checkbox"/>	INTERPRO	Rhodanese-like	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT		9	5.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT		9	7.6E-1	1.0E0
	Annotation Cluster 127	Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	DNA-directed RNA polymerase complex	RT		4	1.4E-1	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear DNA-directed RNA polymerase complex	RT		4	1.4E-1	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	RNA polymerase complex	RT		4	1.9E-1	7.3E-1
	Annotation Cluster 128	Enrichment Score: 0.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	PHB	RT		3	1.4E-1	9.5E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005651:membrane protease subunits, stomatin/prohibitin homologs	RT		3	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Band 7 protein	RT		3	2.1E-1	1.0E0
	Annotation Cluster 129	Enrichment Score: 0.78	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	PINT	RT		4	9.9E-2	9.1E-1
<input type="checkbox"/>	INTERPRO	Proteasome component region PCI	RT		4	1.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PCI	RT		3	2.9E-1	1.0E0
	Annotation Cluster 130	Enrichment Score: 0.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	UBQ	RT		7	1.2E-1	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ubiquitin-like	RT		5	1.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ubiquitin	RT		7	2.3E-1	1.0E0
	Annotation Cluster 131	Enrichment Score: 0.76	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	RB Tumor Suppressor/Checkpoint Signaling in response to DNA damage	RT		5	2.5E-2	4.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cyclin-dependent protein kinase activity	RT		5	2.6E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000564:kinase-related transforming protein	RT		3	8.4E-1	1.0E0
	Annotation Cluster 132	Enrichment Score: 0.75	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of protein localization	RT		4	1.1E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of localization	RT		5	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of cellular protein localization	RT		3	2.3E-1	9.8E-1

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of cellular localization	RT						3	3.4E-1	1.0E0
	Annotation Cluster 133	Enrichment Score: 0.72	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT						23	1.2E-2	3.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT						35	2.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT						35	2.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT						35	2.4E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT						27	4.6E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT						19	6.9E-1	1.0E0
	Annotation Cluster 134	Enrichment Score: 0.72	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on sulfur group of donors	RT						6	4.1E-2	6.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	NADP binding	RT						5	5.8E-2	7.4E-1
<input type="checkbox"/>	INTERPRO	Mercuric reductase	RT						3	6.2E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Pyridine nucleotide-disulphide oxidoreductase, class I, active site	RT						3	6.2E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Pyridine nucleotide-disulphide oxidoreductase dimerisation region	RT						3	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on sulfur group of donors, NAD or NADP as acceptor	RT						3	1.2E-1	9.1E-1
<input type="checkbox"/>	INTERPRO	Pyridine nucleotide-disulphide oxidoreductase, NAD-binding region	RT						3	3.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	fad	RT						10	5.2E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:FAD	RT						4	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	antioxidant activity	RT						6	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	flavoprotein	RT						10	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	FAD binding	RT						6	6.6E-1	1.0E0
	Annotation Cluster 135	Enrichment Score: 0.71	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring pentosyl groups	RT						10	1.0E-2	3.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT						19	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT						13	9.1E-1	1.0E0
	Annotation Cluster 136	Enrichment Score: 0.7	G						Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005673:pendulin	RT						3	7.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 10; atypical	RT						3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 1; truncated	RT						3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:IBB	RT						3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:NLS binding site (minor)	RT						3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:NLS binding site (major)	RT						3	7.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Importin-alpha-like, importin-beta-binding region	RT						3	1.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 4	RT						4	2.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 9	RT						3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 8	RT						3	3.3E-1	1.0E0
<input type="checkbox"/>	SMART	ARM	RT						4	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 3	RT						4	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 2	RT						4	3.4E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Intracellular trafficking and secretion	RT						9	3.4E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 6	RT						3	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 7	RT						3	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ARM 5	RT						3	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Armadillo	RT						4	5.0E-1	1.0E0
	Annotation Cluster 137	Enrichment Score: 0.67	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	poly(A) binding	RT						3	1.2E-1	9.1E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	mRNA binding	RT		6	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	single-stranded RNA binding	RT		3	3.9E-1	1.0E0
		Annotation Cluster 138	Enrichment Score: 0.67	G			
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT		213	4.2E-6	3.9E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT		150	1.6E-3	2.2E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT		117	2.8E-3	1.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT		88	1.6E-1	9.4E-1
<input type="checkbox"/>	SMART	S TKc	RT		27	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT		25	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT		19	5.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT		37	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT		65	5.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT		32	6.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT		44	7.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT		31	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT		27	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT		38	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT		56	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT		47	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		68	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		68	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		54	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT		20	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT		43	9.9E-1	1.0E0
		Annotation Cluster 139	Enrichment Score: 0.66	G			
<input type="checkbox"/>	GOTERM_MF_ALL	electron carrier activity	RT		27	2.3E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT		47	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT		35	7.3E-1	1.0E0
		Annotation Cluster 140	Enrichment Score: 0.64	G			
<input type="checkbox"/>	GOTERM_MF_ALL	Ran GTPase binding	RT		4	1.9E-2	4.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase binding	RT		7	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase binding	RT		7	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase binding	RT		7	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme binding	RT		20	4.9E-1	1.0E0
		Annotation Cluster 141	Enrichment Score: 0.64	G			
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule polymerization or depolymerization	RT		5	6.3E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule depolymerization	RT		4	1.1E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of microtubule polymerization or depolymerization	RT		4	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of microtubule polymerization or depolymerization	RT		4	1.7E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein depolymerization	RT		6	2.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of microtubule depolymerization	RT		3	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of microtubule depolymerization	RT		3	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT		6	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT		8	7.0E-1	1.0E0
		Annotation Cluster 142	Enrichment Score: 0.63	G			

<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 6	RT		3	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 5	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 4	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 3	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 2	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 1	RT		3	2.6E-1	1.0E0
Annotation Cluster 143		Enrichment Score: 0.61	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Pre-ATP-grasp fold	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ATP-grasp fold	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ATP-grasp fold, subdomain 2	RT		3	3.4E-1	1.0E0
Annotation Cluster 144		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase (ATP-hydrolyzing) activity	RT		3	1.9E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase activity	RT		3	2.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA topological change	RT		3	3.4E-1	1.0E0
Annotation Cluster 145		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	EXOIII	RT		3	2.1E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Exonuclease	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Exonuclease, RNase T and DNA polymerase III	RT		3	3.1E-1	1.0E0
Annotation Cluster 146		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproductive process	RT		4	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproduction	RT		4	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	viral infectious cycle	RT		3	3.4E-1	1.0E0
Annotation Cluster 147		Enrichment Score: 0.56	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction	RT		8	7.6E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction resulting in induction of apoptosis	RT		3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis by intracellular signals	RT		4	5.5E-1	1.0E0
Annotation Cluster 148		Enrichment Score: 0.56	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	I-kappaB kinase/NF-kappaB cascade	RT		11	7.6E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of I-kappaB kinase/NF-kappaB cascade	RT		7	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of I-kappaB kinase/NF-kappaB cascade	RT		7	1.8E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of signal transduction	RT		9	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein kinase cascade	RT		18	9.8E-1	1.0E0
Annotation Cluster 149		Enrichment Score: 0.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst growth	RT		6	6.3E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glial cell differentiation	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gliogenesis	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT		13	1.0E0	1.0E0
Annotation Cluster 150		Enrichment Score: 0.5	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	pyridoxal phosphate	RT		10	7.2E-2	4.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:Pyridoxal phosphate (covalent)	RT		7	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring nitrogenous groups	RT		6	2.8E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Aminotransferase, class I and II	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transaminase activity	RT		5	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pyridoxal phosphate binding	RT		6	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	vitamin binding	RT		11	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Pyridoxal phosphate-dependent	RT		4	5.5E-1	1.0E0

		transferase, major region, subdomain 1	RT					4	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminotransferase	RT					3	6.3E-1	1.0E0
	Annotation Cluster 151	Enrichment Score: 0.49	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	WW	RT					3	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	WW	RT					5	4.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WW/Rsp5/WWP	RT					5	5.8E-1	1.0E0
	Annotation Cluster 152	Enrichment Score: 0.49	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT					10	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acetylation	RT					4	1.7E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	N-terminal protein amino acid modification	RT					3	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acylation	RT					5	2.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT					8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT					7	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring acyl groups	RT					19	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acyltransferase activity	RT					17	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring groups other than amino-acyl groups	RT					17	5.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	acyltransferase	RT					13	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	GCN5-related N-acetyltransferase	RT					3	6.0E-1	1.0E0
	Annotation Cluster 153	Enrichment Score: 0.48	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blastocyst development	RT					8	3.6E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT					14	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT					21	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT					21	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT					33	9.5E-1	1.0E0
	Annotation Cluster 154	Enrichment Score: 0.48	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT					38	4.8E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT					48	4.8E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT					41	1.0E-1	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT					30	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT					19	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT					86	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT					92	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT					13	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT					35	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT					29	9.8E-1	1.0E0
	Annotation Cluster 155	Enrichment Score: 0.48	G					Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Apoptotic Signaling in Response to DNA Damage	RT					7	1.6E-2	3.7E-1
<input type="checkbox"/>	BIOCARTA	Caspase Cascade in Apoptosis	RT					5	2.4E-1	8.8E-1
<input type="checkbox"/>	BIOCARTA	TNFR1 Signaling Pathway	RT					4	6.3E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	FAS signaling pathway (CD95)	RT					4	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	HIV-I Nef	RT					5	8.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Apoptosis	RT					5	9.8E-1	1.0E0
	Annotation Cluster 156	Enrichment Score: 0.47	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	ENV polyprotein (coat polyprotein)	RT					3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	virion part	RT					4	3.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	virion	RT					4	3.3E-1	9.1E-1

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_CC_ALL	viral capsid	RT					3	5.7E-1	9.9E-1
	Annotation Cluster 157		Enrichment Score: 0.46		G			Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:32	RT					3	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:29	RT					3	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:30	RT					3	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:31	RT					3	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:28	RT					3	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:23	RT					3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:25	RT					3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:26	RT					3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:27	RT					3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:22	RT					3	2.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:8	RT					6	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:9	RT					5	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:3	RT					11	3.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:20	RT					3	3.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:6	RT					7	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:4	RT					9	3.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:21	RT					3	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:17	RT					3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:16	RT					3	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:7	RT					6	4.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2	RT					12	5.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:11	RT					4	5.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:15	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:10	RT					4	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1	RT					11	6.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:14	RT					3	6.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:13	RT					3	7.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:12	RT					3	7.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:5	RT					6	7.0E-1	1.0E0
	Annotation Cluster 158		Enrichment Score: 0.46		G			Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 2	RT					5	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 1	RT					5	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Mitochondrial brown fat uncoupling protein	RT					3	2.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Solcar 3	RT					4	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Mitochondrial carrier protein	RT					4	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Mitochondrial substrate carrier	RT					5	4.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002458:ADP,ATP carrier protein	RT					3	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Adenine nucleotide translocator 1	RT					3	7.1E-1	1.0E0
	Annotation Cluster 159		Enrichment Score: 0.42		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	iron ion transmembrane transporter activity	RT					3	4.2E-2	6.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Iron transport	RT					5	1.0E-1	6.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	di-, tri-valent inorganic cation transmembrane transporter activity	RT					6	1.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion transmembrane transporter activity	RT					5	1.8E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion transport	RT					5	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT					7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT					14	5.6E-1	1.0E0

<input type="checkbox"/>	Annotation	Gene	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT	7	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT	10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT	22	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT	29	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT	15	1.0E0	1.0E0
Annotation Cluster 160		Enrichment Score: 0.4	G		Count	P_Value
<input type="checkbox"/>	GOTERM_CC_ALL	filamentous actin	RT	3	2.2E-1	7.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cortical cytoskeleton	RT	4	3.1E-1	8.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell cortex part	RT	5	4.0E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell cortex	RT	6	5.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	actin filament	RT	3	7.1E-1	1.0E0
Annotation Cluster 161		Enrichment Score: 0.4	G		Count	P_Value
<input type="checkbox"/>	BIOCARTA	How Progesterone Initiates the Oocyte Maturation	RT	9	2.0E-3	1.1E-1
<input type="checkbox"/>	BIOCARTA	METS affect on Macrophage Differentiation	RT	7	1.6E-2	3.7E-1
<input type="checkbox"/>	BIOCARTA	Signaling Pathway from G-Protein Families	RT	8	2.2E-2	4.1E-1
<input type="checkbox"/>	BIOCARTA	Cadmium induces DNA synthesis and proliferation in macrophages	RT	6	2.4E-2	4.1E-1
<input type="checkbox"/>	BIOCARTA	Influence of Ras and Rho proteins on G1 to S Transition	RT	8	2.7E-2	4.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Bladder cancer	RT	10	3.3E-2	3.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Gap junction	RT	14	8.2E-2	5.5E-1
<input type="checkbox"/>	BIOCARTA	Transcription factor CREB and its extracellular signals	RT	6	9.7E-2	7.5E-1
<input type="checkbox"/>	BIOCARTA	Corticosteroids and cardioprotection	RT	5	1.1E-1	7.6E-1
<input type="checkbox"/>	BIOCARTA	CCR3 signaling in Eosinophils	RT	6	1.1E-1	7.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide binding	RT	12	1.3E-1	6.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	P-loop	RT	12	1.4E-1	7.0E-1
<input type="checkbox"/>	BIOCARTA	Role of EGF Receptor Transactivation by GPCRs in Cardiac Hypertrophy	RT	5	1.7E-1	8.1E-1
<input type="checkbox"/>	BIOCARTA	Trka Receptor Signaling Pathway	RT	4	1.9E-1	8.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP binding	RT	7	2.0E-1	8.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiolester bond	RT	4	2.0E-1	8.1E-1
<input type="checkbox"/>	BIOCARTA	Attenuation of GPCR Signaling	RT	3	2.2E-1	8.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Small cell lung cancer	RT	13	2.2E-1	8.1E-1
<input type="checkbox"/>	BIOCARTA	Inhibition of Cellular Proliferation by Gleevec	RT	5	2.4E-1	8.8E-1
<input type="checkbox"/>	BIOCARTA	Pertussis toxin-insensitive CCR5 Signaling in Macrophage	RT	4	2.5E-1	8.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT	9	2.7E-1	8.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT	10	3.2E-1	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT	8	3.2E-1	8.9E-1
<input type="checkbox"/>	BIOCARTA	The IGF-1 Receptor and Longevity	RT	3	3.8E-1	9.4E-1
<input type="checkbox"/>	BIOCARTA	IL-2 Receptor Beta Chain in T cell Activation	RT	6	4.3E-1	9.5E-1
<input type="checkbox"/>	INTERPRO	Guanine nucleotide binding protein (G-protein), alpha subunit	RT	3	4.3E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Roles of ?-arrestin-dependent Recruitment of Src Kinases in GPCR Signaling	RT	4	4.4E-1	9.5E-1
<input type="checkbox"/>	BIOCARTA	BCR Signaling Pathway	RT	5	4.5E-1	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Prostate cancer	RT	11	4.5E-1	9.4E-1
<input type="checkbox"/>	BIOCARTA	Ras Signaling Pathway	RT	4	4.7E-1	9.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT	9	5.1E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	NFAT and Hypertrophy of the heart (Transcription in the broken heart)	RT	6	5.2E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Erk1/Erk2 Mapk Signaling pathway	RT	5	5.2E-1	9.6E-1

<input type="checkbox"/>	BIOCARTA	Fc Epsilon Receptor 1 Signaling in Mast Cells	RT		5	5.2E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	p38 MAPK Signaling Pathway	RT		5	5.2E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	Treffol Factors Initiate Mucosal Healing	RT		4	5.3E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	TPO Signaling Pathway	RT		4	5.3E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	Role of Erk5 in Neuronal Survival	RT		3	5.4E-1	9.6E-1
<input type="checkbox"/>	BIOCARTA	CXCR4 Signaling Pathway	RT		4	5.8E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Bioactive Peptide Induced Signaling Pathway	RT		5	5.9E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	IL 3 signaling pathway	RT		3	6.3E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	EGF Signaling Pathway	RT		4	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	PDGF Signaling Pathway	RT		4	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Links between Pyk2 and Map Kinases	RT		4	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Regulation of transcriptional activity by PML	RT		3	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Nerve growth factor pathway (NGF)	RT		3	6.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	T Cell Receptor Signaling Pathway	RT		5	6.7E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Multiple antiapoptotic pathways from IGF-1R signaling lead to BAD phosphorylation	RT		3	6.9E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	proto-oncogene	RT		8	6.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Angiotensin II mediated activation of JNK Pathway via Pyk2 dependent signaling	RT		4	7.0E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	IGF-1 Signaling Pathway	RT		3	7.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Role of MAL in Rho-Mediated Activation of SRF	RT		3	7.1E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	EPO Signaling Pathway	RT		3	7.4E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT		7	7.4E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	IL 6 signaling pathway	RT		3	7.6E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT		7	7.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Insulin Signaling Pathway	RT		3	7.8E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT		7	8.0E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	IL 2 signaling pathway	RT		3	8.0E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Thyroid cancer	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	GnRH signaling pathway	RT		8	8.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	B cell receptor signaling pathway	RT		6	8.3E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Growth Hormone Signaling Pathway	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Keratinocyte Differentiation	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	T cell receptor signaling pathway	RT		8	8.8E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	fMLP induced chemokine gene expression in HMC-1 cells	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Fc epsilon RI signaling pathway	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Long-term depression	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Long-term potentiation	RT		5	9.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	mTOR signaling pathway	RT		4	9.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Melanogenesis	RT		7	9.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Tight junction	RT		9	9.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	ErbB signaling pathway	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Axon guidance	RT		7	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT		12	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	MAPK signaling pathway	RT		16	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Palmitate	RT		9	1.0E0	1.0E0

<input type="checkbox"/>	Source	Pathway	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	MAPKinase Signaling Pathway	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Natural killer cell mediated cytotoxicity	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Regulation of actin cytoskeleton	RT		8	1.0E0	1.0E0
	Annotation Cluster 162	Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	release of cytochrome c from mitochondria	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic mitochondrial changes	RT		4	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic program	RT		6	6.5E-1	1.0E0
	Annotation Cluster 163	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	tumor necrosis factor receptor superfamily binding	RT		4	2.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	tumor necrosis factor receptor binding	RT		4	2.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine activity	RT		12	9.9E-1	1.0E0
	Annotation Cluster 164	Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pigment biosynthetic process	RT		5	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pigment metabolic process	RT		5	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secondary metabolic process	RT		5	7.1E-1	1.0E0
	Annotation Cluster 165	Enrichment Score: 0.33	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Porin, eukaryotic type	RT		3	6.2E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle outer membrane	RT		6	1.5E-1	6.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial outer membrane	RT		5	2.5E-1	8.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	anion channel activity	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion transmembrane transporter activity	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anion transport	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion channel activity	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate specific channel activity	RT		5	1.0E0	1.0E0
	Annotation Cluster 166	Enrichment Score: 0.33	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amyloid precursor protein metabolic process	RT		3	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	beta-amyloid metabolic process	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT		8	9.2E-1	1.0E0
	Annotation Cluster 167	Enrichment Score: 0.32	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Myb, DNA-binding	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	SANT	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SANT, DNA-binding	RT		6	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Homeodomain-related	RT		5	1.0E0	1.0E0
	Annotation Cluster 168	Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	HMG	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG1/HMG2, subgroup	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG1/HMG2	RT		6	4.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG	RT		4	7.9E-1	1.0E0
	Annotation Cluster 169	Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		31	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT		29	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT		47	3.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		16	3.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		16	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		16	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		16	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		34	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		16	4.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin thiolesterase activity	RT		6	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	thiolester hydrolase activity	RT		8	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-specific protease activity	RT		6	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein-specific protease activity	RT		6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT		18	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2	RT		4	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		9	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT		50	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		11	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		46	1.0E0	1.0E0
Annotation Cluster 170		Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum part	RT		14	2.3E-1	8.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	GPI-anchor biosynthesis	RT		3	2.7E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT		9	2.7E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis	RT		4	3.3E-1	8.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope-endoplasmic reticulum network	RT		12	3.5E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	GPI anchor biosynthetic process	RT		4	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	GPI anchor metabolic process	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide biosynthetic process	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Phospholipid biosynthesis	RT		4	4.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum membrane	RT		11	4.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT		9	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid lipidation	RT		6	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein biosynthetic process	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid biosynthetic process	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein metabolic process	RT		7	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide metabolic process	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT		10	8.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 2	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid metabolic process	RT		4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT		11	9.7E-1	1.0E0
Annotation Cluster 171		Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	dolichyl-diphosphooligosaccharide-protein glycotransferase activity	RT		3	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oligosaccharyl transferase activity	RT		3	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid N-linked glycosylation via asparagine	RT		3	2.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-asparagine modification	RT		3	2.3E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	N-Glycan biosynthesis	RT		6	3.8E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid N-linked glycosylation	RT		3	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT		6	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT		8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT		8	9.9E-1	1.0E0
Annotation Cluster 172		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleocytoplasmic transport	RT		4	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein transport	RT		3	5.0E-1	1.0E0

<input type="checkbox"/>	Annotation Cluster	Enrichment Score	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transport	RT		7	9.4E-1	1.0E0
	Annotation Cluster 173		Enrichment Score: 0.29	G			
<input type="checkbox"/>	GOTERM_BP_ALL	tricarboxylic acid cycle	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA metabolic process	RT		5	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA catabolic process	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	aerobic respiration	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme catabolic process	RT		4	5.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Tricarboxylic acid cycle	RT		3	5.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular respiration	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor catabolic process	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Citrate cycle (TCA cycle)	RT		3	7.3E-1	9.9E-1
	Annotation Cluster 174		Enrichment Score: 0.28	G			
<input type="checkbox"/>	GOTERM_BP_ALL	response to UV	RT		5	2.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to radiation	RT		9	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to light stimulus	RT		6	8.4E-1	1.0E0
	Annotation Cluster 175		Enrichment Score: 0.26	G			
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of Ras protein signal transduction	RT		3	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of small GTPase mediated signal transduction	RT		3	2.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT		12	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		23	1.0E0	1.0E0
	Annotation Cluster 176		Enrichment Score: 0.25	G			
<input type="checkbox"/>	BIOCARTA	Erk and PI-3 Kinase Are Necessary for Collagen Binding in Corneal Epithelia	RT		4	4.1E-1	9.5E-1
<input type="checkbox"/>	BIOCARTA	mCalpain and friends in Cell motility	RT		3	5.0E-1	9.7E-1
<input type="checkbox"/>	BIOCARTA	Integrin Signaling Pathway	RT		3	8.8E-1	1.0E0
	Annotation Cluster 177		Enrichment Score: 0.25	G			
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		21	1.8E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Glycyl thioester intermediate	RT		6	2.6E-1	1.0E0
<input type="checkbox"/>	SMART	UBCc	RT		5	4.1E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Ubiquitin mediated proteolysis	RT		13	6.4E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Ubiquitin-conjugating enzyme, E2	RT		4	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		9	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		9	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		9	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		10	9.1E-1	1.0E0
	Annotation Cluster 178		Enrichment Score: 0.24	G			
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of caspase activity	RT		3	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of caspase activity	RT		6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic program	RT		6	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	caspase activation	RT		3	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of caspase activity	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of hydrolase activity	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hydrolase activity	RT		7	1.0E0	1.0E0
	Annotation Cluster 179		Enrichment Score: 0.23	G			
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of MAP kinase activity	RT		4	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of catalytic activity	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein kinase activity	RT		6	4.3E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of kinase activity	RT					6	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transferase activity	RT					6	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT					15	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of MAP kinase activity	RT					6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT					15	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT					12	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT					30	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT					24	9.8E-1	1.0E0
	Annotation Cluster 180	Enrichment Score: 0.23	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope-endoplasmic reticulum network	RT					12	3.5E-1	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum membrane	RT					11	4.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	integral to endoplasmic reticulum membrane	RT					4	5.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to endoplasmic reticulum membrane	RT					4	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to organelle membrane	RT					6	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to organelle membrane	RT					6	8.8E-1	1.0E0
	Annotation Cluster 181	Enrichment Score: 0.22	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, RING/FYVE/PHD-type	RT					15	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:RING-type	RT					12	5.4E-1	1.0E0
<input type="checkbox"/>	SMART	RING	RT					17	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT					17	8.6E-1	1.0E0
	Annotation Cluster 182	Enrichment Score: 0.22	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	somatic hypermutation of immunoglobulin genes	RT					3	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors via somatic mutation	RT					3	2.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin production	RT					4	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	production of molecular mediator of immune response	RT					4	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic recombination of immunoglobulin gene segments	RT					3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors via germline recombination within a single locus	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic cell DNA recombination	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immunoglobulins	RT					3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors	RT					3	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT					6	1.0E0	1.0E0
	Annotation Cluster 183	Enrichment Score: 0.22	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme binding	RT					20	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase binding	RT					7	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	kinase binding	RT					7	7.3E-1	1.0E0
	Annotation Cluster 184	Enrichment Score: 0.21	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	glucose transport	RT					4	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose transport	RT					4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide transport	RT					4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT					6	7.9E-1	1.0E0
	Annotation Cluster 185	Enrichment Score: 0.21	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	BROMO	RT					4	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Bromodomain	RT					4	6.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	bromodomain	RT					3	7.7E-1	1.0E0
	Annotation Cluster 186	Enrichment Score: 0.2	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP binding	RT					7	2.0E-1	8.1E-1

<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT		10	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT		8	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT		6	9.7E-1	1.0E0
	Annotation Cluster 187	Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of locomotion	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell motility	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell migration	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotion	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell motility	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of locomotion	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell migration	RT		4	9.6E-1	1.0E0
	Annotation Cluster 188	Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	CH	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CH	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Calponin-like actin-binding	RT		5	7.9E-1	1.0E0
	Annotation Cluster 189	Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal morphogenesis	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Erk1/Erk2 Mapk Signaling pathway	RT		5	5.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT		5	1.0E0	1.0E0
	Annotation Cluster 190	Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT		25	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT		9	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid dephosphorylation	RT		12	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT		27	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoprotein phosphatase activity	RT		13	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	dephosphorylation	RT		12	7.4E-1	1.0E0
<input type="checkbox"/>	SMART	PTPc	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT		9	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, Tyr-specific/dual-specificity type	RT		6	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, receptor/non-receptor type	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Phosphocysteine intermediate	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Tyrosine-protein phosphatase	RT		3	9.3E-1	1.0E0
	Annotation Cluster 191	Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		25	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein homodimerization activity	RT		13	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT		23	7.9E-1	1.0E0
	Annotation Cluster 192	Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of myeloid leukocyte differentiation	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid leukocyte differentiation	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of myeloid cell differentiation	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoclast differentiation	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		5	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	osteoclast differentiation	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		9	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT		7	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte differentiation	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell differentiation	RT		4	9.2E-1	1.0E0

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT					9	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT					7	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT					13	1.0E0	1.0E0	
	Annotation Cluster 193	Enrichment Score: 0.16	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT					15	9.7E-2	8.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT					22	2.9E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT					20	4.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT					68	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT					68	4.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT					24	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT					62	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT					60	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT					39	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT					37	8.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT					85	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT					118	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT					118	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT					187	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT					66	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT					50	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT					122	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT					85	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT					101	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT					138	1.0E0	1.0E0	
	Annotation Cluster 194	Enrichment Score: 0.16	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor binding	RT					22	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription coactivator activity	RT					8	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT					19	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transcription cofactor activity	RT					11	9.1E-1	1.0E0	
	Annotation Cluster 195	Enrichment Score: 0.15	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	hair cycle process	RT					4	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hair follicle development	RT					4	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	molting cycle process	RT					4	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	molting cycle	RT					4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hair cycle	RT					4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	epidermis development	RT					8	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ectoderm development	RT					8	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT					15	1.0E0	1.0E0	
	Annotation Cluster 196	Enrichment Score: 0.15	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT					9	5.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific phosphatase	RT					3	7.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphoric monoester hydrolase	RT					3	9.4E-1	1.0E0	
	Annotation Cluster 197	Enrichment Score: 0.14	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	gluconeogenesis	RT					3	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	pyruvate metabolic process	RT					3	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hexose biosynthetic process	RT					3	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide biosynthetic process	RT					3	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol biosynthetic process	RT					3	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT					9	8.1E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate biosynthetic process	RT					6	9.4E-1	1.0E0
	Annotation Cluster 198	Enrichment Score: 0.14	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neuron apoptosis	RT					5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron apoptosis	RT					5	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of neuron apoptosis	RT					3	7.9E-1	1.0E0
	Annotation Cluster 199	Enrichment Score: 0.14	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microbody	RT					8	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisome	RT					8	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	peroxisome	RT					7	7.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Microbody targeting signal	RT					3	8.1E-1	1.0E0
	Annotation Cluster 200	Enrichment Score: 0.14	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	anion:cation symporter activity	RT					3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	organic acid:sodium symporter activity	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxylic acid transmembrane transporter activity	RT					7	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	organic acid transmembrane transporter activity	RT					7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	solute:cation symporter activity	RT					5	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	solute:sodium symporter activity	RT					4	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT					10	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT					12	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Symport	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion transmembrane transporter activity	RT					6	9.8E-1	1.0E0
	Annotation Cluster 201	Enrichment Score: 0.13	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal homeostasis	RT					3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue homeostasis	RT					3	7.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT					7	7.7E-1	1.0E0
	Annotation Cluster 202	Enrichment Score: 0.13	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cytolysis	RT					6	7.2E-2	7.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytolysis	RT					3	4.4E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine proteinase	RT					6	5.4E-1	9.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001135:trypsin	RT					6	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	T-cell	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Peptidase S1	RT					5	8.9E-1	1.0E0
<input type="checkbox"/>	SMART	Tryp_SPc	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT					11	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Charge relay system	RT					7	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine protease	RT					7	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT					10	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1A, chymotrypsin	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT					22	1.0E0	1.0E0
	Annotation Cluster 203	Enrichment Score: 0.12	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:B30.2/SPRY	RT					4	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	SPRY	RT					4	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SP1a/Ryanodine receptor SPRY	RT					4	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	B302, (SPRY)-like	RT					4	9.1E-1	1.0E0
	Annotation Cluster 204	Enrichment Score: 0.12	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	carboxylic acid transmembrane	RT					7	5.7E-1	1.0E0

<input type="checkbox"/>		transporter activity	RT					7	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	organic acid transmembrane transporter activity	RT					7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	amino acid transmembrane transporter activity	RT					5	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid transport	RT					5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid transport	RT					5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid transport	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine transport	RT					3	9.8E-1	1.0E0
	Annotation Cluster 205	Enrichment Score: 0.1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	Sema	RT					3	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Plexin	RT					3	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Semaphorin/CD100 antigen	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	SMART	PSI	RT					3	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Plexin/semaphorin/integrin	RT					3	9.2E-1	1.0E0
	Annotation Cluster 206	Enrichment Score: 0.1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	S_TK_X	RT					4	7.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein kinase, C-terminal	RT					4	8.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:AGC-kinase C-terminal	RT					4	8.6E-1	1.0E0
	Annotation Cluster 207	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminopeptidase	RT					3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	aminopeptidase activity	RT					4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metalloexopeptidase activity	RT					4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	exopeptidase activity	RT					4	9.9E-1	1.0E0
	Annotation Cluster 208	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	female gonad development	RT					5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	female sex differentiation	RT					5	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary female sexual characteristics	RT					5	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT					6	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male sex differentiation	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT					5	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT					5	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle phase	RT					3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle process	RT					3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT					7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT					7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell maturation	RT					6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle	RT					3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	rhythmic process	RT					5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism reproduction	RT					4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process in a multicellular organism	RT					4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT					14	9.9E-1	1.0E0
	Annotation Cluster 209	Enrichment Score: 0.08	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol metabolism	RT					3	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid metabolism	RT					3	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid metabolism	RT					5	9.9E-1	1.0E0
	Annotation Cluster 210	Enrichment Score: 0.08	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3 1	RT					3	5.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3 2	RT					3	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Variant SH3	RT					3	9.5E-1	1.0E0

<input type="checkbox"/>	SMART	SH3	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Src homology-3	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT		6	1.0E0	1.0E0
	Annotation Cluster 211	Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor binding	RT		5	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, C-C	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001950:small inducible chemokine, C/CC types	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte chemotaxis	RT		3	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein-coupled receptor binding	RT		6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine activity	RT		4	7.3E-1	1.0E0
<input type="checkbox"/>	SMART	SCY	RT		3	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	chemotaxis	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	taxis	RT		9	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemotaxis	RT		9	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	pyrrolidone carboxylic acid	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, interleukin-8-like	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	inflammatory response	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine activity	RT		12	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotory behavior	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	behavior	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to wounding	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	defense response	RT		15	1.0E0	1.0E0
	Annotation Cluster 212	Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		14	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		14	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol catabolic process	RT		6	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycolysis	RT		5	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		9	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose catabolic process	RT		5	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide catabolic process	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose catabolic process	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycolysis	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate catabolic process	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		20	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate catabolic process	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		29	9.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycolysis / Gluconeogenesis	RT		3	9.8E-1	1.0E0
	Annotation Cluster 213	Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosidase	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on glycosyl bonds	RT		9	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, hydrolyzing O-glycosyl compounds	RT		6	9.3E-1	1.0E0
	Annotation Cluster 214	Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin polymerization and/or depolymerization	RT		3	8.9E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament length	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin cytoskeleton organization and biogenesis	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component size	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytoskeleton organization and biogenesis	RT		3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of organelle organization and biogenesis	RT		3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT		3	9.5E-1	1.0E0
Annotation Cluster 215		Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	electron transport	RT		5	5.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	tetrapyrrole binding	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heme binding	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT		4	1.0E0	1.0E0
Annotation Cluster 216		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ER to Golgi vesicle-mediated transport	RT		6	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT		7	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	er-golgi transport	RT		5	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT		15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT		16	1.0E0	1.0E0
Annotation Cluster 217		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar:hydrogen ion symporter activity	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar transmembrane transporter activity	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate transmembrane transporter activity	RT		3	9.1E-1	1.0E0
Annotation Cluster 218		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	developmental maturation	RT		8	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitogen	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell maturation	RT		6	9.2E-1	1.0E0
Annotation Cluster 219		Enrichment Score: 0.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	patterning of blood vessels	RT		3	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT		6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT		5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT		5	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic pattern specification	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	rhythmic process	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of an epithelium	RT		6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT		5	1.0E0	1.0E0
Annotation Cluster 220		Enrichment Score: 0.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	angiogenesis	RT		5	5.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT		10	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		24	1.0E0	1.0E0
Annotation Cluster 221		Enrichment Score: 0.05	G		Count	P_Value	Benjamini

<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT		119	4.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		14	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT		97	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT		67	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT		56	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		43	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT		23	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		12	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT		19	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT		22	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT		29	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT		15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT		31	1.0E0	1.0E0
Annotation Cluster 222					Enrichment Score: 0.04	G	
<input type="checkbox"/>	SMART	Kelch	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Kelch repeat type 1	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kelch repeat	RT		3	9.1E-1	1.0E0
Annotation Cluster 223					Enrichment Score: 0.04	G	
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid catabolic process	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine catabolic process	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound catabolic process	RT		4	9.3E-1	1.0E0
Annotation Cluster 224					Enrichment Score: 0.04	G	
<input type="checkbox"/>	SP_PIR_KEYWORDS	guanine-nucleotide releasing factor	RT		7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Ras guanyl-nucleotide exchange factor activity	RT		7	7.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:DH	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Guanine-nucleotide dissociation stimulator, CDC24	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PH	RT		8	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		10	9.0E-1	1.0E0
<input type="checkbox"/>	SMART	RhoGEF	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Rho guanyl-nucleotide exchange factor activity	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DH	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		12	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Rho protein signal transduction	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		20	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rho protein signal transduction	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	PH	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT		7	1.0E0	1.0E0
Annotation Cluster 225					Enrichment Score: 0.04	G	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		39	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		37	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		15	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		15	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		10	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		10	9.7E-1	1.0E0

Annotation Cluster 226		Enrichment Score: 0.04	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	diacylglycerol binding	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Phorbol-ester binding	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	SMART	C1	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein kinase C, phorbol ester/diacylglycerol binding	RT		3	9.7E-1	1.0E0
Annotation Cluster 227		Enrichment Score: 0.04	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT		15	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT		15	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of kinase activity	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transferase activity	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein kinase activity	RT		3	1.0E0	1.0E0
Annotation Cluster 228		Enrichment Score: 0.04	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	heparin-binding	RT		5	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT		5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT		6	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth factor	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT		15	1.0E0	1.0E0
Annotation Cluster 229		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	heterotrimeric G-protein complex	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to plasma membrane	RT		4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to membrane	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	second-messenger-mediated signaling	RT		5	1.0E0	1.0E0
Annotation Cluster 230		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	BRLZ	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		6	9.9E-1	1.0E0
Annotation Cluster 231		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT		20	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT		28	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT		12	9.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoskeleton	RT		19	9.9E-1	1.0E0
Annotation Cluster 232		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT		8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT		14	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT		12	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT		12	9.4E-1	1.0E0
Annotation Cluster 233		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	HLH	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-loop-helix DNA-binding	RT		5	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Basic helix-loop-helix dimerisation region bHLH	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helix-loop-helix motif	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		6	9.9E-1	1.0E0
Annotation Cluster 234		Enrichment Score: 0.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament organization	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT		12	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and	RT		11	9.9E-1	1.0E0

					Count	P_Value	Benjamini
Annotation Cluster 235		Enrichment Score: 0.03	G				
<input type="checkbox"/>	GOTERM_BP_ALL	biogenesis	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		28	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT		27	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT		36	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT		83	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT		72	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT		19	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT		30	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT		11	1.0E0	1.0E0
Annotation Cluster 236		Enrichment Score: 0.02	G				
<input type="checkbox"/>	GOTERM_BP_ALL	dendrite morphogenesis	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	dendrite development	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neurogenesis	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	neurogenesis	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite morphogenesis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron morphogenesis during differentiation	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT		25	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT		25	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axonogenesis	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT		13	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT		10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT		26	1.0E0	1.0E0
Annotation Cluster 237		Enrichment Score: 0.02	G				
<input type="checkbox"/>	GOTERM_BP_ALL	cellular calcium ion homeostasis	RT		5	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion homeostasis	RT		5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT		19	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular di-, tri-valent inorganic cation homeostasis	RT		7	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metal ion homeostasis	RT		5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation homeostasis	RT		7	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion homeostasis	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular cation homeostasis	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation homeostasis	RT		7	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT		8	1.0E0	1.0E0
Annotation Cluster 238		Enrichment Score: 0.02	G				
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		9	8.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT					16	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT					19	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT					9	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT					16	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT					43	1.0E0	1.0E0
	Annotation Cluster 239	Enrichment Score: 0.02	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell shape	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of anatomical structure morphogenesis	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell morphogenesis	RT					3	9.5E-1	1.0E0
	Annotation Cluster 240	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	JNK cascade	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	stress-activated protein kinase signaling pathway	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT					5	1.0E0	1.0E0
	Annotation Cluster 241	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ANK	RT					10	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ankyrin	RT					9	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ank repeat	RT					6	1.0E0	1.0E0
	Annotation Cluster 242	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	EFh	RT					11	8.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Calcium-binding EF-hand	RT					11	9.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 1	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 2	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:2	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:1	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EF-Hand type	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium	RT					18	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calcium ion binding	RT					23	1.0E0	1.0E0
	Annotation Cluster 243	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 3	RT					6	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 6	RT					4	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 1	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 2	RT					6	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 4	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 5	RT					4	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Leucine-rich repeat	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	leucine-rich repeat	RT					8	1.0E0	1.0E0
	Annotation Cluster 244	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT					10	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular fraction	RT					10	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	microsome	RT					4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane fraction	RT					22	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell fraction	RT					25	1.0E0	1.0E0
	Annotation Cluster 245	Enrichment Score: 0.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT					14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT					9	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT					14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell differentiation	RT					3	9.9E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte differentiation	RT		5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT		6	1.0E0	1.0E0
Annotation Cluster 246		Enrichment Score: 0.01	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Ras	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	prenylation	RT		8	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif: Effector region	RT		3	1.0E0	1.0E0
Annotation Cluster 247		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT		20	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT		22	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT		22	9.9E-1	1.0E0
Annotation Cluster 248		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	spermatogenesis	RT		4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT		11	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT		11	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT		15	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		27	1.0E0	1.0E0
Annotation Cluster 249		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Intermediate filament protein	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	intermediate filament	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intermediate filament	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intermediate filament cytoskeleton	RT		4	1.0E0	1.0E0
Annotation Cluster 250		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorylation	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphate metabolic process	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorus metabolic process	RT		3	9.9E-1	1.0E0
Annotation Cluster 251		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	membrane organization and biogenesis	RT		17	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	endocytosis	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane invagination	RT		7	1.0E0	1.0E0
Annotation Cluster 252		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	gtpase activation	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		20	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activator activity	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme activator activity	RT		11	1.0E0	1.0E0
Annotation Cluster 253		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	EGF calcium-binding	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	SMART	EGF_CA	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Aspartic acid and asparagine hydroxylation site	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like calcium-binding	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	SMART	EGF	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like, type 3	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EGF	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	egf-like domain	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like region	RT		4	1.0E0	1.0E0
Annotation Cluster 254		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of sound	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of mechanical stimulus	RT		3	1.0E0	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT					6	1.0E0	1.0E0
	Annotation Cluster 255	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	FN3	RT					8	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III	RT					8	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 2	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 1	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin I-set	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	SMART	IG	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III-like fold	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin V-set	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT					8	1.0E0	1.0E0
	Annotation Cluster 256	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	G protein-coupled receptor	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity, G-protein coupled	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002406:vertebrate rhodopsin	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-palmitoyl cysteine	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Rhodopsin-like GPCR superfamily	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Neuroactive ligand-receptor interaction	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	rhodopsin-like receptor activity	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	g-protein coupled receptor	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein coupled receptor protein signaling pathway	RT					14	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein coupled receptor activity	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor activity	RT					11	1.0E0	1.0E0
	Annotation Cluster 257	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Concanavalin A-like lectin/glucanase, subgroup	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT					15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT					5	1.0E0	1.0E0
	Annotation Cluster 258	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	forebrain development	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	brain development	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT					9	1.0E0	1.0E0
	Annotation Cluster 259	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	basement membrane	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix part	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT					5	1.0E0	1.0E0
	Annotation Cluster 260	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT					29	1.0E0	1.0E0

<input type="checkbox"/>	Annotation	Enrichment Score: 0	G	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT	46	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT	42	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT	22	1.0E0	1.0E0
Annotation Cluster 261						
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT	7	1.0E0	1.0E0
Annotation Cluster 262						
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of developmental process	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell differentiation	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT	7	1.0E0	1.0E0
Annotation Cluster 263						
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	potassium ion binding	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	alkali metal ion binding	RT	6	1.0E0	1.0E0
Annotation Cluster 264						
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT	5	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT	4	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT	4	1.0E0	1.0E0
Annotation Cluster 265						
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT	5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT	5	1.0E0	1.0E0
Annotation Cluster 266						
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT	10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT	10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT	15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT	15	1.0E0	1.0E0
Annotation Cluster 267						
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT	9	1.0E0	1.0E0
Annotation Cluster 268						
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT	10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT	10	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT	11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT	15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT	20	1.0E0	1.0E0
Annotation Cluster 269						
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT	9	1.0E0	1.0E0
Annotation Cluster 270						
<input type="checkbox"/>	GOTERM_MF_ALL	GPI anchor binding	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide binding	RT	5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipid binding	RT	6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lipid binding	RT	15	1.0E0	1.0E0

Annotation Cluster 271		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT		99	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT		71	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT		118	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT		154	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT		141	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT		224	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT		226	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT		183	1.0E0	1.0E0
Annotation Cluster 272		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		14	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		8	1.0E0	1.0E0
Annotation Cluster 273		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT		19	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT		19	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT		36	1.0E0	1.0E0
Annotation Cluster 274		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT		16	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT		16	1.0E0	1.0E0
Annotation Cluster 275		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT		56	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	signal transduction	RT		108	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell communication	RT		118	1.0E0	1.0E0
Annotation Cluster 276		Enrichment Score: -0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT		35	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT		56	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		67	1.0E0	1.0E0
Annotation Cluster 277		Enrichment Score: -0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		90	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT		87	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT		86	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		75	1.0E0	1.0E0
Annotation Cluster 278		Enrichment Score: -0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT		39	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT		53	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT		67	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT		67	1.0E0	1.0E0
Annotation Cluster 279		Enrichment Score: -0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT		256	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT		160	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT		341	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT		231	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT		216	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT		231	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT		111	1.0E0	1.0E0
Annotation Cluster 280		Enrichment Score: -0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT		95	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT		54	1.0E0	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT		57	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		67	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		75	1.0E0	1.0E0

573 terms were not clustered.

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Functional Annotation Clustering Of Genes Upregulated >2 in WT But Not In WASP Deficient BMDCs

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Current Gene List: wt1 not wsp1 >2up

313 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

















































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Annotation Cluster 1		Enrichment Score: 3.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT		9	2.7E-5	3.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT		10	7.5E-5	4.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT		11	1.1E-4	4.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		11	2.0E-4	5.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		11	3.2E-4	5.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		11	3.6E-4	5.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		11	3.6E-4	5.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 8	RT		4	2.7E-3	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		12	4.1E-3	5.1E-1
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		9	2.8E-2	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		9	5.0E-2	1.0E0
Annotation Cluster 2		Enrichment Score: 1.72	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT		12	1.8E-4	7.3E-2
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT		12	9.7E-4	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT		12	2.0E-2	9.0E-1
<input type="checkbox"/>	INTERPRO	Type II antifreeze protein	RT		4	3.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	C-type lectin	RT		5	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	CLECT	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C-type lectin	RT		3	3.2E-1	1.0E0
Annotation Cluster 3		Enrichment Score: 1.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasm	RT		135	1.9E-5	1.5E-2
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic part	RT		78	6.6E-3	7.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT		239	1.2E-2	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT		239	1.2E-2	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular part	RT		172	4.0E-2	9.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular	RT		179	5.8E-2	9.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular membrane-bound organelle	RT		126	1.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound organelle	RT		126	1.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle	RT		139	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle	RT		139	2.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT		76	4.8E-1	1.0E0
Annotation Cluster 4		Enrichment Score: 1.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT		8	5.9E-3	5.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT		8	5.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT		8	5.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT		8	9.0E-2	9.3E-1
Annotation Cluster 5		Enrichment Score: 1.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT		79	9.5E-4	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT		41	2.4E-3	1.0E0

<input type="checkbox"/>	Annotation	Gene	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT		43	9.5E-3	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT		71	9.6E-3	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT		44	1.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT		71	1.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT		120	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular process	RT		201	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT		133	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		87	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process	RT		140	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metabolic process	RT		126	5.4E-1	1.0E0
Annotation Cluster 6					Enrichment Score: 1.36	G	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002359:annexin I	RT		3	1.8E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	annexin	RT		3	2.3E-2	7.9E-1
<input type="checkbox"/>	INTERPRO	Annexin	RT		3	2.5E-2	1.0E0
<input type="checkbox"/>	SMART	ANX	RT		3	2.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium/phospholipid-binding	RT		3	2.7E-2	7.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	calcium-dependent phospholipid binding	RT		3	7.4E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipid binding	RT		5	5.9E-1	1.0E0
Annotation Cluster 7					Enrichment Score: 1.35	G	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 3	RT		3	1.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 1	RT		3	2.5E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KH 2	RT		3	2.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	K Homology	RT		3	9.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	K Homology, type 1	RT		3	1.0E-1	1.0E0
<input type="checkbox"/>	SMART	KH	RT		3	1.1E-1	1.0E0
Annotation Cluster 8					Enrichment Score: 1.33	G	
<input type="checkbox"/>	SMART	UBCc	RT		6	1.9E-3	6.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001567:ubiquitin-protein ligase E2	RT		4	5.0E-3	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		8	7.3E-3	8.1E-1
<input type="checkbox"/>	INTERPRO	Ubiquitin-conjugating enzyme, E2	RT		5	8.2E-3	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		8	8.3E-3	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin cycle	RT		18	8.3E-3	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		8	9.4E-3	7.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		8	1.7E-2	9.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ubl conjugation pathway	RT		14	2.5E-2	7.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Ubiquitin mediated proteolysis	RT		8	3.3E-2	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		8	4.6E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		7	4.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		7	5.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		7	5.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		7	5.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		10	5.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		7	5.9E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Parkinson's disease	RT		3	9.1E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		19	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Glycyl thioester intermediate	RT		3	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		10	1.8E-1	1.0E0

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT				7	1.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT				10	1.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT				7	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT				11	3.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT				7	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT				12	5.5E-1	1.0E0	
	Annotation Cluster 9	Enrichment Score: 1.28	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	interaction with host	RT				3	3.3E-3	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	interspecies interaction between organisms	RT				3	1.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	symbiosis, encompassing mutualism through parasitism	RT				3	1.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproductive process	RT				3	3.8E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	viral reproduction	RT				3	5.2E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT				5	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT				3	9.1E-1	1.0E0	
	Annotation Cluster 10	Enrichment Score: 1.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT				13	4.0E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT				13	4.0E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT				10	1.2E-1	1.0E0	
	Annotation Cluster 11	Enrichment Score: 1.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT				23	7.7E-3	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT				25	3.2E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component organization and biogenesis	RT				59	3.5E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT				24	4.3E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT				22	5.8E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT				22	8.0E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT				20	8.0E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT				19	8.4E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT				13	1.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT				10	3.1E-1	1.0E0	
	Annotation Cluster 12	Enrichment Score: 1.2	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal-anchor	RT				14	1.1E-2	6.8E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	golgi apparatus	RT				16	1.2E-2	6.5E-1	
<input type="checkbox"/>	KEGG_PATHWAY	O-Glycan biosynthesis	RT				4	2.1E-2	9.0E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	polypeptide N-acetylglucosaminyltransferase activity	RT				3	2.6E-2	9.2E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Catalytic subdomain A	RT				3	3.3E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Catalytic subdomain B	RT				3	3.3E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ricin B-type lectin	RT				3	3.8E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Manganese	RT				3	7.0E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Ricin B lectin	RT				3	7.2E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	acetylglucosaminyltransferase activity	RT				3	7.4E-2	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Manganese	RT				6	7.5E-2	9.3E-1	
<input type="checkbox"/>	SMART	RICIN	RT				3	7.6E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	manganese ion binding	RT				6	8.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT				5	9.9E-2	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT				6	1.2E-1	8.4E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT				8	1.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Luminal	RT				9	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT				5	3.0E-1	1.0E0	

<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT					5	4.3E-1	1.0E0
	Annotation Cluster 13	Enrichment Score: 1.19	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT					26	1.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to wounding	RT					10	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT					13	2.0E-1	1.0E0
	Annotation Cluster 14	Enrichment Score: 1.17	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cell fraction	RT					19	1.3E-2	6.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	membrane fraction	RT					15	6.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT					7	7.7E-2	9.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular fraction	RT					7	8.6E-2	9.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	microsome	RT					4	2.7E-1	1.0E0
	Annotation Cluster 15	Enrichment Score: 1.14	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	CD9/CD37/CD63 antigen	RT					4	1.6E-2	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002419:CD9 antigen	RT					3	3.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT					5	6.3E-1	1.0E0
	Annotation Cluster 16	Enrichment Score: 1.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT					8	4.3E-2	9.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	actin cytoskeleton	RT					9	4.4E-2	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT					13	4.9E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT					10	5.8E-2	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoskeleton	RT					10	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT					7	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT					7	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT					13	2.1E-1	1.0E0
	Annotation Cluster 17	Enrichment Score: 1.05	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT					14	8.5E-3	8.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT					14	8.5E-3	8.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT					12	1.3E-2	6.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT					13	1.7E-2	8.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT					9	5.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT					6	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT					6	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT					11	2.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	prenylation	RT					5	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT					4	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipoprotein	RT					13	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Effector region	RT					3	5.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-geranylgeranyl cysteine	RT					3	5.4E-1	1.0E0
	Annotation Cluster 18	Enrichment Score: 1.05	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT					37	1.1E-2	6.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT					40	5.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT					40	5.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT					41	6.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT					44	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT					31	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT					25	1.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT					31	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT					32	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT					15	3.6E-1	1.0E0

Annotation Cluster 19		Enrichment Score: 1.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT			12	5.6E-2	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT			18	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT			18	1.2E-1	1.0E0
Annotation Cluster 20		Enrichment Score: 1.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT			13	7.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT			7	9.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT			11	1.1E-1	1.0E0
Annotation Cluster 21		Enrichment Score: 1.02		G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT			7	9.9E-3	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ER-nuclear signaling pathway	RT			4	1.2E-2	1.0E0
<input type="checkbox"/>	BIOCARTA	p53 Signaling Pathway	RT			4	1.3E-2	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT			6	3.2E-2	7.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT			6	3.2E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	unfolded protein response	RT			3	4.3E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Cell cycle	RT			7	4.4E-2	7.4E-1
<input type="checkbox"/>	BIOCARTA	Cell Cycle	RT			4	4.5E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Colorectal cancer	RT			6	4.8E-2	7.2E-1
<input type="checkbox"/>	BIOCARTA	BTG family proteins and cell cycle regulation	RT			3	5.6E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT			5	5.9E-2	7.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	p53 signaling pathway	RT			5	6.5E-2	7.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Small cell lung cancer	RT			6	7.2E-2	7.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Bladder cancer	RT			4	9.4E-2	8.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Wnt signaling pathway	RT			7	1.3E-1	8.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT			4	1.3E-1	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to protein stimulus	RT			4	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to unfolded protein	RT			4	1.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT			4	1.5E-1	8.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Thyroid cancer	RT			3	1.6E-1	8.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Prostate cancer	RT			5	1.8E-1	8.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT			8	2.0E-1	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT			4	2.5E-1	9.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Regulation of actin cytoskeleton	RT			7	3.9E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT			3	4.3E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	ErbB signaling pathway	RT			3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT			5	6.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Jak-STAT signaling pathway	RT			4	7.2E-1	1.0E0
Annotation Cluster 22		Enrichment Score: 1.01		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT			8	1.9E-2	9.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	heterotrimeric G-protein complex	RT			4	3.3E-2	8.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to plasma membrane	RT			4	9.2E-2	9.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to membrane	RT			4	1.8E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT			6	8.8E-1	1.0E0
Annotation Cluster 23		Enrichment Score: 1		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT			21	1.3E-3	7.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT			21	2.3E-3	7.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT			21	2.5E-3	6.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT			21	2.7E-3	6.4E-1

<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		15	4.3E-3	7.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		9	6.0E-3	8.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		9	6.0E-3	8.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex, catalytic core F(1)	RT		3	8.9E-3	7.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex, catalytic domain	RT		3	1.1E-2	7.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		8	1.2E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		8	1.2E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances	RT		8	1.3E-2	8.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT		8	1.9E-2	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cation-transporting ATPase activity	RT		5	2.0E-2	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		6	3.0E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT		66	4.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proton transport	RT		5	4.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ATP synthesis coupled proton transport	RT		4	4.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATP synthase activity, rotational mechanism	RT		4	5.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting ATP synthase complex	RT		3	5.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATPase activity, rotational mechanism	RT		4	5.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside phosphate metabolic process	RT		4	5.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ATP biosynthetic process	RT		4	5.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen transport	RT		5	5.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		10	5.9E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		11	6.3E-2	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex	RT		4	6.5E-2	9.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT		32	6.9E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ATP metabolic process	RT		4	7.0E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP synthesis	RT		3	8.2E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate biosynthetic process	RT		4	8.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate biosynthetic process	RT		4	8.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate biosynthetic process	RT		4	9.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	oxidative phosphorylation	RT		4	9.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolic process	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate biosynthetic process	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate metabolic process	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT		6	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide biosynthetic process	RT		4	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate metabolic process	RT		4	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT		5	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT		53	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide biosynthetic process	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide metabolic process	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide biosynthetic process	RT		4	1.8E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT		54	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrogen ion transport	RT		3	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT		22	2.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Symport	RT		4	2.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide metabolic process	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide metabolic process	RT		4	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT		44	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT		6	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT		27	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transmembrane transporter activity	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monovalent inorganic cation transmembrane transporter activity	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT		5	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		15	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide biosynthetic process	RT		4	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT		17	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		6	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT		9	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT		11	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT		4	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT		9	7.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Oxidative phosphorylation	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT		8	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT		7	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT		11	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT		4	9.8E-1	1.0E0
Annotation Cluster 24					Enrichment Score: 0.99	G	
<input type="checkbox"/>	KEGG_PATHWAY	Huntington's disease	RT		4	2.6E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT		6	4.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT		21	4.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT		21	4.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		15	4.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT		20	5.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		15	5.4E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT		10	5.6E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT		20	5.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		8	7.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		8	7.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		8	9.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		8	1.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis by intracellular signals	RT		3	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		41	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		41	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT		25	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT		22	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		6	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		6	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT		28	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neuron apoptosis	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT		22	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron apoptosis	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		58	3.8E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 0.96		G			
<input type="checkbox"/>	INTERPRO	Cyclin, N-terminal	RT		3	8.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Cyclin	RT		3	1.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cyclin	RT		4	1.2E-1	9.7E-1
<input type="checkbox"/>	SMART	CYCLIN	RT		3	1.3E-1	1.0E0
Annotation Cluster 26		Enrichment Score: 0.95		G			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin polymerization and/or depolymerization	RT		4	3.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament length	RT		4	3.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin cytoskeleton organization and biogenesis	RT		4	3.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component size	RT		4	4.2E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT		8	4.3E-2	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytoskeleton organization and biogenesis	RT		4	5.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of organelle organization and biogenesis	RT		4	5.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT		4	6.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament capping	RT		3	6.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of actin filament depolymerization	RT		3	6.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament depolymerization	RT		3	7.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament depolymerization	RT		3	7.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT		10	7.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT		4	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT		7	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein depolymerization	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT		3	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT		7	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ruffle	RT		3	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	leading edge	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell projection	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT		6	8.7E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 0.93		G			
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT		33	1.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	signal transduction	RT		58	7.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell communication	RT		60	1.7E-1	1.0E0

<input type="checkbox"/>	Annotation	Enrichment Score	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell surface receptor linked signal transduction	RT	23	7.4E-1	1.0E0
	Annotation Cluster 28 Enrichment Score: 0.93		G	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT	12	8.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT	9	8.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT	12	8.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of progression through cell cycle	RT	6	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT	19	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT	11	1.4E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT	7	1.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT	15	2.0E-1	1.0E0
	Annotation Cluster 29 Enrichment Score: 0.88		G	Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Flavodoxin-like fold	RT	3	9.3E-4	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	NAD(P)H dehydrogenase (quinone) activity	RT	3	9.7E-4	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to oxidative stress	RT	5	2.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	RT	3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cofactor binding	RT	6	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH	RT	3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	coenzyme binding	RT	4	4.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	fad	RT	3	5.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	flavoprotein	RT	3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity	RT	13	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	oxidoreductase	RT	7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT	5	9.4E-1	1.0E0
	Annotation Cluster 30 Enrichment Score: 0.87		G	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte homeostasis	RT	3	5.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte homeostasis	RT	3	9.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostasis of number of cells	RT	3	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT	8	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT	8	5.2E-1	1.0E0
	Annotation Cluster 31 Enrichment Score: 0.8		G	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein heterodimerization activity	RT	8	2.1E-3	7.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT	13	5.0E-3	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic placenta development	RT	3	2.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein homodimerization activity	RT	7	5.1E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT	6	8.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	placenta development	RT	3	9.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT	9	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT	25	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT	22	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT	11	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT	9	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	9	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT	11	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT	6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT	6	4.0E-1	1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA binding	RT				6	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT				6	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT				8	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT				4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT				4	9.2E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.77	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein heterodimerization activity	RT				8	2.1E-3	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT				6	8.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT				6	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT				5	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT				25	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of growth	RT				3	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT				22	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT				6	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT				8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT				11	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT				9	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT				9	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT				11	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT				12	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT				12	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT				5	4.5E-1	1.0E0
	Annotation Cluster 33	Enrichment Score: 0.69	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	CD9/CD37/CD63 antigen	RT				4	1.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT				29	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT				11	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT				11	7.2E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 0.67	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT				14	4.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT				12	7.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of MAP kinase activity	RT				4	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of kinase activity	RT				3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein kinase activity	RT				3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transferase activity	RT				3	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT				5	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of catalytic activity	RT				3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT				5	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT				5	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein kinase cascade	RT				7	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT				5	4.4E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 0.64	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT				5	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT				5	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT				6	8.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT				9	9.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell activation	RT				5	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell proliferation	RT				3	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of B cell activation	RT				3	1.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT		6	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT		8	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell activation	RT		3	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		7	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT		18	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT		7	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT		6	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT		8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT		10	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell proliferation	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte activation	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT		12	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT		5	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT		4	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT		3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT		3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT		5	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT		6	6.9E-1	1.0E0
Annotation Cluster 36		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT		9	3.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		9	7.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		9	7.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		41	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		41	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT		6	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		14	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		7	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT		25	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		58	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT		31	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT		36	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT		24	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT		38	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT		49	8.2E-1	1.0E0
Annotation Cluster 37		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	chromatin binding	RT		7	2.4E-2	9.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	heterochromatin	RT		3	1.6E-1	9.8E-1
<input type="checkbox"/>	BIOCARTA	Control of Gene Expression by Vitamin D Receptor	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin remodeling	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		6	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT		8	2.7E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT		3	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin	RT		5	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		14	3.7E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		8	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT		8	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		6	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		6	5.0E-1	1.0E0	
		Annotation Cluster 38	Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT		16	8.1E-2	9.3E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT		23	9.8E-2	9.2E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT		10	1.4E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT		7	1.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT		13	2.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT		6	2.9E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	microtubule motor activity	RT		3	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT		4	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	motor activity	RT		4	4.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	motor protein	RT		3	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule associated complex	RT		3	5.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT		3	5.7E-1	1.0E0	
		Annotation Cluster 39	Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phosphatidylinositol metabolic process	RT		3	2.0E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid biosynthetic process	RT		3	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid metabolic process	RT		4	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT		5	2.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide metabolic process	RT		3	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT		3	3.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT		5	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT		3	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT		6	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT		11	7.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT		9	8.0E-1	1.0E0	
		Annotation Cluster 40	Enrichment Score: 0.53	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		7	2.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	wound healing	RT		4	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood coagulation	RT		3	3.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	coagulation	RT		3	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hemostasis	RT		3	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of body fluid levels	RT		3	4.3E-1	1.0E0	
		Annotation Cluster 41	Enrichment Score: 0.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	caspase activation	RT		3	8.2E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of caspase activity	RT		3	1.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of hydrolase activity	RT		3	1.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of caspase activity	RT		3	1.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic program	RT		3	3.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT		5	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT		6	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT		6	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT		4	7.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hydrolase activity	RT		3	7.7E-1	1.0E0	
		Annotation Cluster 42	Enrichment Score: 0.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT		5	1.7E-1	1.0E0	

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT			5	1.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT			3	3.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT			3	3.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT			3	4.5E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT			6	4.5E-1	1.0E0		
	Annotation Cluster 43	Enrichment Score: 0.51	G			Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT			51	2.7E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT			51	2.8E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT			31	3.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT			31	3.4E-1	1.0E0		
	Annotation Cluster 44	Enrichment Score: 0.5	G			Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT			6	2.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT			6	2.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT			8	3.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT			11	3.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT			7	3.4E-1	1.0E0		
	Annotation Cluster 45	Enrichment Score: 0.5	G			Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT			7	9.4E-2	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle membrane	RT			4	1.3E-1	9.6E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	protein transporter activity	RT			6	1.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle part	RT			4	1.7E-1	9.8E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	secretory granule	RT			3	2.2E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle membrane	RT			4	2.2E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle coat	RT			3	2.2E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle membrane	RT			3	2.4E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	membrane coat	RT			3	2.9E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	coated membrane	RT			3	2.9E-1	9.9E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT			8	4.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT			8	4.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle-mediated transport	RT			9	5.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT			8	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT			5	6.5E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle	RT			3	6.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT			5	6.8E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoplasmic vesicle	RT			3	7.0E-1	1.0E0		
	Annotation Cluster 46	Enrichment Score: 0.48	G			Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoprotein phosphatase activity	RT			6	1.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine/serine/threonine phosphatase activity	RT			3	1.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT			4	2.2E-1	1.0E0		
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Tyrosine-protein phosphatase	RT			3	2.2E-1	1.0E0		
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Phosphocysteine intermediate	RT			3	3.1E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT			4	3.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid dephosphorylation	RT			4	4.0E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, Tyr-specific/dual-specificity type	RT			3	4.2E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT			6	4.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	dephosphorylation	RT			4	4.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT			6	6.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT			9	8.8E-1	1.0E0		
	Annotation Cluster 47	Enrichment Score: 0.44	G			Count	P_Value	Benjamini		

<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		22	1.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		22	1.1E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT		7	1.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		18	1.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT		21	1.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT		17	2.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT		14	2.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT		22	3.0E-1	1.0E0			
<input type="checkbox"/>	SMART	S_TKc	RT		9	3.3E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		15	3.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT		11	3.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT		14	3.8E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT		12	4.0E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT		15	4.3E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT		6	4.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT		34	4.9E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT		9	5.1E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT		8	5.7E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT		7	5.8E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT		7	6.4E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase	RT		3	6.5E-1	1.0E0			
<input type="checkbox"/>	SMART	TyrKc	RT		3	6.9E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT		22	7.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT		5	8.3E-1	1.0E0			
	Annotation Cluster 48	Enrichment Score: 0.43	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	activator	RT		16	8.2E-3	6.4E-1			
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT		33	4.4E-2	8.9E-1			
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT		33	5.5E-2	9.1E-1			
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT		91	1.5E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT		76	1.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT		82	2.1E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT		62	3.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		87	3.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT		19	3.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT		25	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT		76	4.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT		39	5.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT		47	5.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT		39	6.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT		39	6.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT		46	6.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT		44	6.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		40	6.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT		39	7.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT		40	7.2E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT		41	7.4E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-binding	RT		22	7.6E-1	1.0E0			

<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		56	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT		31	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT		49	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT		42	9.9E-1	1.0E0
Annotation Cluster 49		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Basic helix-loop-helix dimerisation region bHLH	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	HLH	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-loop-helix DNA-binding	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helix-loop-helix motif	RT		3	4.8E-1	1.0E0
Annotation Cluster 50		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Variant SH3	RT		3	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SH2 motif	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Signaling of Hepatocyte Growth Factor Receptor	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	SH2	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sh2 domain	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Src homology-3	RT		5	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	SH3	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT		5	4.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	MAPK signaling pathway	RT		7	5.9E-1	1.0E0
Annotation Cluster 51		Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	SMART	BRLZ	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sequence-specific DNA binding	RT		6	9.5E-1	1.0E0
Annotation Cluster 52		Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT		3	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT		4	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell adhesion	RT		6	5.1E-1	1.0E0
Annotation Cluster 53		Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle checkpoint	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA damage response, signal transduction	RT		3	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT		7	3.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT		4	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT		5	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT		5	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT		7	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT		6	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT		5	6.8E-1	1.0E0
Annotation Cluster 54		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT		7	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of meiotic cell cycle	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis	RT		3	4.2E-1	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic cell cycle	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT		7	4.6E-1	1.0E0
Annotation Cluster 55		Enrichment Score: 0.4		G			
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT		128	1.6E-2	6.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT		91	5.1E-2	9.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT		99	9.3E-2	9.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT		65	3.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT		38	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT		29	4.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT		48	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT		80	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT		80	4.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT		33	5.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		41	8.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT		46	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT		29	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		30	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT		26	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT		27	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		30	1.0E0	1.0E0
Annotation Cluster 56		Enrichment Score: 0.39		G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT		8	5.7E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		19	1.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		5	1.4E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		5	3.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001135:trypsin	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Peptidase S1	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrolase	RT		26	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Charge relay system	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine protease	RT		4	4.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT		10	5.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1A, chymotrypsin	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	SMART	Tryp_SPC	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT		12	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT		4	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT		4	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT		7	8.1E-1	1.0E0
Annotation Cluster 57		Enrichment Score: 0.35		G			
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	SMART	IG	RT		7	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT		5	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT		7	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT		7	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT		5	9.0E-1	1.0E0
Annotation Cluster 58		Enrichment Score: 0.34		G			
<input type="checkbox"/>	GOTERM_BP_ALL	glycolysis	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose catabolic process	RT		3	3.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide catabolic process	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose catabolic process	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol catabolic process	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate catabolic process	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		7	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate catabolic process	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		4	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		4	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	magnesium ion binding	RT		5	9.0E-1	1.0E0
Annotation Cluster 59		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	basement membrane	RT		3	1.2E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium binding	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	extracellular matrix organization and biogenesis	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	extracellular structure organization and biogenesis	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basement membrane	RT		3	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix part	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Secreted	RT		13	9.9E-1	1.0E0
Annotation Cluster 60		Enrichment Score: 0.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of sound	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of mechanical stimulus	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		7	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT		7	9.9E-1	1.0E0
Annotation Cluster 61		Enrichment Score: 0.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	initiation factor	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation initiation factor activity	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation factor activity, nucleic acid binding	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation regulator activity	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		7	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT		3	9.0E-1	1.0E0
Annotation Cluster 62		Enrichment Score: 0.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT		10	7.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT		4	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		22	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		15	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		7	8.5E-1	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT		10	9.0E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.25	G				
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT		14	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT		16	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT		17	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT		17	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT		9	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT		11	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT		19	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT		6	9.4E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.25	G				
<input type="checkbox"/>	INTERPRO	Zinc finger, PHD-type	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	PHD	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	SMART	RING	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT		4	7.9E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.23	G				
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of immune response	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune response	RT		3	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune system process	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organismal process	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	defense response	RT		5	9.7E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.2	G				
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT		8	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular di-, tri-valent inorganic cation homeostasis	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation homeostasis	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular cation homeostasis	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation homeostasis	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT		4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT		4	8.2E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.18	G				
<input type="checkbox"/>	GOTERM_BP_ALL	mitochondrion organization and biogenesis	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT		13	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT		8	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT		8	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT		5	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT		4	8.6E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT		5	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT		7	9.7E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.18	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT		5	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		5	7.8E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	SMART	PH	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		4	9.4E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Magnesium	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	magnesium ion binding	RT		5	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	magnesium	RT		4	9.4E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT		6	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT		5	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT		4	8.0E-1	1.0E0
	Annotation Cluster 72	Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT		7	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT		6	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT		7	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT		12	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT		3	9.5E-1	1.0E0
	Annotation Cluster 73	Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	RRM	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		5	9.3E-1	1.0E0
	Annotation Cluster 74	Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		7	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		4	9.4E-1	1.0E0
	Annotation Cluster 75	Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribonucleoprotein	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		3	1.0E0	1.0E0
	Annotation Cluster 76	Enrichment Score: 0.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		8	8.3E-1	1.0E0

<input type="checkbox"/>	Term	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL organic acid metabolic process	RT	8	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL amino acid metabolic process	RT	4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL amino acid and derivative metabolic process	RT	5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL monocarboxylic acid metabolic process	RT	3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL amine metabolic process	RT	5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL nitrogen compound metabolic process	RT	5	9.5E-1	1.0E0
Annotation Cluster 77			Enrichment Score: 0.03		
<input type="checkbox"/>	SP_PIR_KEYWORDS receptor	RT	18	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL signal transducer activity	RT	26	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL molecular transducer activity	RT	26	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL receptor activity	RT	19	9.8E-1	1.0E0
Annotation Cluster 78			Enrichment Score: 0.02		
<input type="checkbox"/>	GOTERM_BP_ALL negative regulation of metabolic process	RT	6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL negative regulation of cellular metabolic process	RT	3	9.9E-1	1.0E0
Annotation Cluster 79			Enrichment Score: 0.02		
<input type="checkbox"/>	INTERPRO Zinc finger, C2H2-like	RT	5	8.9E-1	1.0E0
<input type="checkbox"/>	SMART ZnF_C2H2	RT	5	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO Zinc finger, C2H2-type/integrase, DNA-binding	RT	3	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO Zinc finger, C2H2-type	RT	5	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS zinc-finger	RT	14	9.9E-1	1.0E0
Annotation Cluster 80			Enrichment Score: 0.01		
<input type="checkbox"/>	SP_PIR_KEYWORDS transducer	RT	6	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL rhodopsin-like receptor activity	RT	3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS g-protein coupled receptor	RT	3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL G-protein coupled receptor activity	RT	3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL transmembrane receptor activity	RT	6	1.0E0	1.0E0
Annotation Cluster 81			Enrichment Score: 0.01		
<input type="checkbox"/>	GOTERM_MF_ALL metal ion binding	RT	54	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL ion binding	RT	55	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL cation binding	RT	48	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS zinc	RT	19	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS zinc-finger	RT	14	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS metal-binding	RT	28	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL transition metal ion binding	RT	30	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL zinc ion binding	RT	21	1.0E0	1.0E0

160 terms were not clustered.

Please cite the web site or [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 Of Genes Upregulated >2 in WASP Deficient But Not In WT BMMCs

[Help and Manual](#)

Current Gene List: *wsp1* not *wt1* >2up

240 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist
















































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Annotation Cluster	Enrichment Score		Count	P_Value	Benjamini
Annotation Cluster 1 Enrichment Score: 9.14 G					
<input type="checkbox"/> GOTERM_CC_ALL	nucleus	RT	91	2.2E-14	1.7E-11
<input type="checkbox"/> SP_PIR_KEYWORDS	nucleus	RT	82	9.3E-13	8.1E-10
<input type="checkbox"/> GOTERM_CC_ALL	intracellular organelle	RT	122	2.2E-12	8.4E-10
<input type="checkbox"/> GOTERM_CC_ALL	organelle	RT	122	2.3E-12	6.0E-10
<input type="checkbox"/> GOTERM_CC_ALL	intracellular part	RT	133	1.6E-11	3.0E-9
<input type="checkbox"/> GOTERM_CC_ALL	intracellular membrane-bound organelle	RT	112	2.6E-11	4.0E-9
<input type="checkbox"/> GOTERM_CC_ALL	membrane-bound organelle	RT	112	2.8E-11	3.7E-9
<input type="checkbox"/> GOTERM_CC_ALL	intracellular	RT	136	5.1E-11	5.6E-9
<input type="checkbox"/> GOTERM_CC_ALL	cell	RT	150	1.4E-4	7.8E-3
<input type="checkbox"/> GOTERM_CC_ALL	cell part	RT	150	1.4E-4	7.8E-3
<input type="checkbox"/> GOTERM_BP_ALL	cellular process	RT	140	2.2E-2	9.0E-1
Annotation Cluster 2 Enrichment Score: 4.49 G					
<input type="checkbox"/> SP_PIR_KEYWORDS	nucleus	RT	82	9.3E-13	8.1E-10
<input type="checkbox"/> GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	76	2.7E-9	6.9E-6
<input type="checkbox"/> GOTERM_BP_ALL	biopolymer metabolic process	RT	84	3.9E-6	2.9E-3
<input type="checkbox"/> GOTERM_BP_ALL	RNA metabolic process	RT	55	1.9E-5	1.2E-2
<input type="checkbox"/> GOTERM_BP_ALL	gene expression	RT	59	1.6E-4	4.5E-2
<input type="checkbox"/> GOTERM_BP_ALL	macromolecule metabolic process	RT	95	5.8E-4	1.2E-1
<input type="checkbox"/> GOTERM_BP_ALL	cellular metabolic process	RT	100	1.0E-2	7.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	primary metabolic process	RT	100	1.0E-2	7.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	cellular process	RT	140	2.2E-2	9.0E-1
<input type="checkbox"/> GOTERM_BP_ALL	metabolic process	RT	106	3.4E-2	9.6E-1
Annotation Cluster 3 Enrichment Score: 4.35 G					
<input type="checkbox"/> GOTERM_CC_ALL	intracellular organelle part	RT	57	4.6E-8	4.5E-6
<input type="checkbox"/> GOTERM_CC_ALL	organelle part	RT	57	5.4E-8	4.6E-6
<input type="checkbox"/> GOTERM_CC_ALL	nuclear part	RT	31	3.0E-6	2.1E-4
<input type="checkbox"/> GOTERM_CC_ALL	macromolecular complex	RT	41	4.1E-4	1.8E-2
<input type="checkbox"/> GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT	31	1.0E-3	3.7E-2
<input type="checkbox"/> GOTERM_CC_ALL	non-membrane-bound organelle	RT	31	1.0E-3	3.7E-2
<input type="checkbox"/> GOTERM_CC_ALL	protein complex	RT	26	1.1E-1	8.7E-1
Annotation Cluster 4 Enrichment Score: 4.27 G					
<input type="checkbox"/> GOTERM_BP_ALL	RNA processing	RT	24	3.4E-10	1.7E-6
<input type="checkbox"/> GOTERM_BP_ALL	mRNA processing	RT	18	5.0E-9	8.6E-6
<input type="checkbox"/> GOTERM_BP_ALL	mRNA metabolic process	RT	19	5.6E-9	7.2E-6
<input type="checkbox"/> SP_PIR_KEYWORDS	mrna processing	RT	16	2.1E-8	9.2E-6
<input type="checkbox"/> GOTERM_BP_ALL	RNA splicing	RT	15	7.4E-8	7.7E-5
<input type="checkbox"/> GOTERM_CC_ALL	spliceosome	RT	11	2.3E-6	1.8E-4
<input type="checkbox"/> SP_PIR_KEYWORDS	mrna splicing	RT	12	3.3E-6	9.7E-4

<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		17	2.5E-5	1.6E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	spliceosome	RT		9	3.8E-5	6.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT		7	6.4E-5	3.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT		7	6.4E-5	3.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT		7	6.4E-5	3.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	spliceosome assembly	RT		4	3.5E-3	4.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT		9	4.3E-3	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		11	1.1E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		5	2.2E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		11	3.1E-2	9.5E-1
<input type="checkbox"/>	SMART	RRM	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		4	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		4	2.5E-1	1.0E0
Annotation Cluster 5		Enrichment Score: 3.61	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT		10	2.2E-5	4.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT		13	6.5E-5	2.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT		23	1.0E-4	3.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT		11	1.1E-4	3.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT		11	1.1E-4	3.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT		20	1.2E-4	3.6E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT		15	2.0E-4	2.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT		13	3.0E-4	7.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT		10	6.6E-4	6.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT		11	1.0E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT		11	1.0E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome segregation	RT		5	5.4E-3	5.8E-1
Annotation Cluster 6		Enrichment Score: 3.25	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		24	2.7E-6	2.3E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA damage	RT		10	6.8E-5	9.8E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT		9	2.1E-4	2.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT		11	2.2E-4	5.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT		13	2.4E-4	6.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT		12	3.1E-4	7.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT		17	5.2E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to stimulus	RT		26	2.9E-1	1.0E0
Annotation Cluster 7		Enrichment Score: 2.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Pyrimidine metabolism	RT		6	7.8E-4	1.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	DNA polymerase	RT		4	1.1E-3	1.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA-directed DNA polymerase	RT		4	1.9E-3	1.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-directed DNA polymerase activity	RT		4	4.4E-3	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Purine metabolism	RT		6	6.3E-3	3.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotidyltransferase activity	RT		6	1.1E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleotidyltransferase	RT		5	1.2E-2	4.6E-1
Annotation Cluster 8		Enrichment Score: 2.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT		13	2.6E-4	1.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	centrosome	RT		6	5.6E-4	2.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule organizing center	RT		6	1.5E-3	5.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome cycle	RT		3	7.8E-3	6.5E-1

<input type="checkbox"/>												
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT							14	8.4E-3	2.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	centrosome organization and biogenesis	RT							3	1.3E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule organizing center organization and biogenesis	RT							3	1.4E-2	7.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT							16	7.3E-2	7.9E-1
	Annotation Cluster 9	Enrichment Score: 2.17	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome part	RT							7	1.7E-4	8.6E-3
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome	RT							7	4.9E-4	2.1E-2
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT							11	3.7E-3	1.2E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT							10	4.7E-3	1.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT							5	6.8E-3	1.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT							4	2.5E-2	4.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	condensed nuclear chromosome	RT							3	6.2E-2	7.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin	RT							4	2.8E-1	9.9E-1
	Annotation Cluster 10	Enrichment Score: 1.99	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	DNA-dependent DNA replication	RT							5	5.7E-3	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mismatch repair	RT							3	1.3E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	maintenance of fidelity during DNA-dependent DNA replication	RT							3	1.4E-2	7.8E-1
	Annotation Cluster 11	Enrichment Score: 1.79	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT							76	2.7E-9	6.9E-6
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT							84	3.9E-6	2.9E-3
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT							55	1.9E-5	1.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT							59	1.6E-4	4.5E-2
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT							48	1.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT							31	5.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT							37	6.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT							36	8.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT							38	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT							33	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT							36	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT							33	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT							34	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT							38	1.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT							21	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT							31	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT							20	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT							50	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT							50	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT							54	6.8E-1	1.0E0
	Annotation Cluster 12	Enrichment Score: 1.78	G							Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT							7	1.3E-3	1.0E0
<input type="checkbox"/>	SMART	TPR	RT							6	1.7E-3	6.3E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT							6	4.4E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR-1	RT							5	1.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 4	RT							4	1.1E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	TPR repeat	RT							6	1.4E-2	4.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 3	RT							4	3.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 2	RT							4	3.7E-2	1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 1	RT				4	3.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 7	RT				3	4.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 6	RT				3	5.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 5	RT				3	5.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR2	RT				3	1.1E-1	1.0E0
	Annotation Cluster 13	Enrichment Score: 1.77	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT				7	3.5E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT				7	3.6E-3	4.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA transport	RT				5	5.1E-3	5.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleic acid transport	RT				5	6.9E-3	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	RNA transport	RT				5	6.9E-3	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of RNA localization	RT				5	6.9E-3	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	RNA localization	RT				5	7.3E-3	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid transport	RT				5	8.6E-3	6.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear export	RT				4	1.1E-2	7.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna transport	RT				4	1.5E-2	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT				3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT				8	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT				5	6.5E-1	1.0E0
	Annotation Cluster 14	Enrichment Score: 1.7	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT				13	2.6E-4	1.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT				31	1.0E-3	3.7E-2
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT				31	1.0E-3	3.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	microtubule	RT				8	2.6E-3	1.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT				8	6.5E-3	1.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT				14	8.4E-3	2.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT				16	7.3E-2	7.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT				6	9.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule cytoskeleton organization and biogenesis	RT				3	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT				3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT				8	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT				3	4.4E-1	1.0E0
	Annotation Cluster 15	Enrichment Score: 1.21	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT				7	3.5E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT				7	3.6E-3	4.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT				11	2.1E-2	4.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear pore	RT				4	2.3E-2	4.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	pore complex	RT				4	3.0E-2	5.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane part	RT				4	3.8E-2	5.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear membrane	RT				4	4.3E-2	6.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT				10	6.0E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT				13	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope	RT				4	1.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT				11	1.8E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT				13	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT				13	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT				8	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT				5	6.5E-1	1.0E0

Annotation Cluster 16		Enrichment Score: 1.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT		5	2.5E-2	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		6	3.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT		5	5.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		5	7.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		5	8.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		5	8.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		5	8.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		6	1.7E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		4	3.8E-1	1.0E0
Annotation Cluster 17		Enrichment Score: 0.95	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	outer membrane	RT		5	1.3E-2	2.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	porin activity	RT		3	3.8E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	porin	RT		3	5.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	wide pore channel activity	RT		3	9.1E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT		3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT		3	9.3E-1	1.0E0
Annotation Cluster 18		Enrichment Score: 0.92	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	decarboxylase	RT		3	3.6E-2	7.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carboxy-lyase activity	RT		3	5.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-carbon lyase activity	RT		3	9.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lyase activity	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lyase	RT		3	4.3E-1	1.0E0
Annotation Cluster 19		Enrichment Score: 0.83	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		10	1.4E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT		10	3.3E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT		10	6.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT		7	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT		17	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT		17	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT		4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT		7	5.4E-1	1.0E0
Annotation Cluster 20		Enrichment Score: 0.82	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		22	9.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		22	9.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT		29	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		22	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		25	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		25	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		12	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		25	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		17	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		20	2.9E-1	1.0E0
Annotation Cluster 21		Enrichment Score: 0.69	G		Count	P_Value	Benjamini

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_MF_ALL	acid phosphatase activity	RT					3	1.3E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT					3	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT					3	8.6E-1	1.0E0	
	Annotation Cluster 22	Enrichment Score: 0.69	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase C-terminal	RT					3	1.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase ATP-binding	RT					3	1.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	helicase activity	RT					4	2.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	helicase	RT					3	4.1E-1	1.0E0	
	Annotation Cluster 23	Enrichment Score: 0.68	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT					12	8.4E-3	2.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT					11	2.1E-2	4.1E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT					9	4.3E-2	6.1E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT					14	4.6E-2	8.5E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT					7	1.2E-1	8.9E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT					6	1.5E-1	9.4E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrion	RT					15	1.5E-1	9.4E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT					6	1.7E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT					11	1.8E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT					6	2.0E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic part	RT					36	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT					7	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT					3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT					3	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT					3	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT					4	1.0E0	1.0E0	
	Annotation Cluster 24	Enrichment Score: 0.61	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT					15	9.6E-2	8.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT					15	9.6E-2	8.6E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT					12	2.2E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT					10	2.6E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT					8	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT					4	8.8E-1	1.0E0	
	Annotation Cluster 25	Enrichment Score: 0.6	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	protein folding	RT					6	1.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	isomerase activity	RT					4	2.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	isomerase	RT					3	4.5E-1	1.0E0	
	Annotation Cluster 26	Enrichment Score: 0.6	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	protein ubiquitination	RT					5	5.7E-3	5.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification by small protein conjugation	RT					5	8.6E-3	6.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin cycle	RT					10	1.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT					19	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT					16	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT					30	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT					30	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT					31	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT					12	9.6E-1	1.0E0	
	Annotation Cluster 27	Enrichment Score: 0.58	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT					18	7.6E-2	1.0E0	

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT				28	8.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT				12	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT				17	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT				8	7.9E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.55	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT				10	6.0E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT				14	8.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT				16	8.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT				13	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT				13	2.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT				20	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT				14	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT				3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT				13	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT				14	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT				8	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT				5	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein transporter activity	RT				3	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT				3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT				5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT				30	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT				30	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT				34	7.5E-1	1.0E0
	Annotation Cluster 29	Enrichment Score: 0.52	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Thioredoxin domain	RT				3	2.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Thioredoxin-related	RT				3	3.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell redox homeostasis	RT				3	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Thioredoxin fold	RT				3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT				7	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	electron carrier activity	RT				4	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological quality	RT				8	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT				3	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT				4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity	RT				4	1.0E0	1.0E0
	Annotation Cluster 30	Enrichment Score: 0.49	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT				3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT				3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT				3	7.3E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 0.46	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribonucleoprotein	RT				6	1.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribosomal protein	RT				4	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribosome	RT				3	6.0E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.45	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT				5	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT				7	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT				5	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT				3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT				3	4.3E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		3	4.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		3	5.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ubl conjugation pathway	RT		6	5.2E-1	1.0E0	
		Annotation Cluster 33	Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		7	2.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		5	3.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		3	3.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		5	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		3	6.6E-1	1.0E0	
		Annotation Cluster 34	Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT		7	1.1E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT		13	1.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT		13	1.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT		16	1.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT		13	1.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT		13	1.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		9	2.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT		17	2.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		5	2.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		9	2.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		5	2.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT		15	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		19	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		19	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		28	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT		14	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT		17	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT		19	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT		9	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT		20	1.0E0	1.0E0	
		Annotation Cluster 35	Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	mTOR signaling pathway	RT		3	8.1E-2	9.9E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT		3	1.4E-1	9.9E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT		3	1.4E-1	9.9E-1	
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT		3	1.5E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	transmembrane receptor protein tyrosine kinase signaling pathway	RT		5	2.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		5	2.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		5	2.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT		7	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	enzyme linked receptor protein signaling pathway	RT		6	3.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	developmental maturation	RT		3	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT		3	3.8E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT		3	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		4	5.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		4	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		6	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT		6	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT		6	7.9E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological quality	RT		8	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT		7	1.0E0	1.0E0
Annotation Cluster 36		Enrichment Score: 0.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		9	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		9	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		4	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		3	6.1E-1	1.0E0
Annotation Cluster 37		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		7	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT		3	5.0E-1	1.0E0
Annotation Cluster 38		Enrichment Score: 0.32	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	heparin-binding	RT		3	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT		3	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT		6	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth factor	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	growth factor activity	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor binding	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		4	1.0E0	1.0E0
Annotation Cluster 39		Enrichment Score: 0.25	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative metabolic process	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT		5	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT		5	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT		5	7.7E-1	1.0E0
Annotation Cluster 40		Enrichment Score: 0.23	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		4	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		6	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		5	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT		5	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT		4	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		3	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT		5	8.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT		6	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		5	9.8E-1	1.0E0
Annotation Cluster 41		Enrichment Score: 0.23	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		7	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		4	7.7E-1	1.0E0
Annotation Cluster 42		Enrichment Score: 0.22	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		8	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		8	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides in phosphorus-containing anhydrides	RT		8	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		8	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT		3	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		4	6.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT		3	9.0E-1	1.0E0
Annotation Cluster 43		Enrichment Score: 0.22	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	angiogenesis	RT		3	8.9E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		4	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	differentiation	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		6	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT		3	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		3	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Developmental protein	RT		5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT		7	1.0E0	1.0E0
Annotation Cluster 44		Enrichment Score: 0.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		7	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		11	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT		4	9.5E-1	1.0E0
Annotation Cluster 45		Enrichment Score: 0.19	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		6	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT		5	9.8E-1	1.0E0
Annotation Cluster 46		Enrichment Score: 0.18	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT		9	4.3E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT		23	7.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrolase	RT		13	8.9E-1	1.0E0	
	Annotation Cluster 47		Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT		4	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		6	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT		3	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT		3	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT		4	7.4E-1	1.0E0	
	Annotation Cluster 48		Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT		3	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT		3	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT		3	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT		5	8.1E-1	1.0E0	
	Annotation Cluster 49		Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of signal transduction	RT		3	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein kinase cascade	RT		4	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		4	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT		8	9.9E-1	1.0E0	
	Annotation Cluster 50		Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT		3	4.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT		3	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		7	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		3	9.1E-1	1.0E0	
	Annotation Cluster 51		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT		5	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		5	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT		4	7.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	activator	RT		5	7.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT		5	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT		5	8.4E-1	1.0E0	
	Annotation Cluster 52		Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT		3	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT		3	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT		8	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT		3	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		3	8.8E-1	1.0E0	
	Annotation Cluster 53		Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT		14	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT		10	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT		9	7.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		7	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT		4	1.0E0	1.0E0	
	Annotation Cluster 54		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT		4	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		3	7.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT		6	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT		6	7.9E-1	1.0E0	

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT		6	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT		7	1.0E0	1.0E0
Annotation Cluster 55		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT		22	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT		15	6.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT		18	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT		25	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT		20	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT		28	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT		30	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT		30	1.0E0	1.0E0
Annotation Cluster 56		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		11	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		13	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT		5	9.8E-1	1.0E0
Annotation Cluster 57		Enrichment Score: 0.04	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT		3	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT		3	1.0E0	1.0E0
Annotation Cluster 58		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell surface receptor linked signal transduction	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell communication	RT		21	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	signal transduction	RT		18	1.0E0	1.0E0
Annotation Cluster 59		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		3	1.0E0	1.0E0
Annotation Cluster 60		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT		8	1.0E0	1.0E0
Annotation Cluster 61		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT		25	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT		25	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT		28	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT		41	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT		28	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT		14	1.0E0	1.0E0
Annotation Cluster 62		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT		8	1.0E0	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		6	1.0E0	1.0E0

87 terms were not clustered.

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Annotation Cluster 1		Enrichment Score: 9.43		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT			170	3.8E-15	3.3E-12
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT			270	1.2E-11	3.2E-8
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT			224	5.2E-11	6.9E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT			186	2.0E-10	8.6E-8
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT			363	7.4E-9	6.6E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT			231	1.8E-8	3.2E-6
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT			365	4.1E-8	1.8E-5
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT			332	1.3E-7	5.1E-5
Annotation Cluster 2		Enrichment Score: 6.44		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT			404	1.8E-12	1.4E-9
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT			262	1.7E-11	8.7E-8
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			258	2.8E-11	7.1E-8
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT			254	3.2E-11	5.5E-8
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT			243	6.9E-11	9.0E-8
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT			245	9.9E-11	1.0E-7
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT			265	1.2E-10	1.0E-7
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT			382	1.3E-10	9.5E-8
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT			244	1.4E-10	8.8E-8
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT			446	2.6E-10	1.5E-7
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT			272	2.8E-10	1.4E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT			318	7.0E-10	1.5E-7
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT			277	1.8E-9	8.6E-7
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT			218	8.7E-9	5.8E-6
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT			315	1.1E-8	5.7E-6
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT			399	5.2E-8	2.2E-5
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT			428	1.6E-7	5.9E-5
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular	RT			748	5.5E-7	2.1E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT			146	7.2E-7	1.0E-4
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound organelle	RT			553	9.3E-7	2.4E-4
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular membrane-bound organelle	RT			552	1.1E-6	2.1E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT			143	1.1E-6	1.3E-4
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT			261	2.1E-6	6.1E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-binding	RT			143	2.2E-6	2.2E-4
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			320	8.9E-6	2.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metabolic process	RT			601	1.6E-5	3.9E-3
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular part	RT			703	2.6E-5	4.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT			289	1.4E-4	2.5E-2

<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT		963	1.6E-4	1.8E-2
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT		963	1.6E-4	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	cellular process	RT		867	1.9E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT		521	3.6E-4	6.1E-2
<input type="checkbox"/>	GOTERM_CC_ALL	organelle	RT		590	5.1E-4	4.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process	RT		646	5.1E-4	8.2E-2
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle	RT		589	5.8E-4	4.9E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT		131	6.2E-4	1.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	binding	RT		872	7.2E-4	1.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT		586	9.1E-4	1.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT		88	2.6E-2	9.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sequence-specific DNA binding	RT		50	4.7E-2	9.5E-1
Annotation Cluster 3		Enrichment Score: 4.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Interferon alpha, beta and delta	RT		13	5.5E-11	1.6E-7
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001934:interferon alpha	RT		13	1.4E-10	4.2E-7
<input type="checkbox"/>	SMART	IFabd	RT		13	2.9E-10	1.8E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	antiviral defense	RT		16	4.0E-10	1.2E-7
<input type="checkbox"/>	INTERPRO	Interferon alpha	RT		11	1.6E-9	3.1E-6
<input type="checkbox"/>	GOTERM_BP_ALL	response to virus	RT		19	7.8E-8	3.1E-5
<input type="checkbox"/>	KEGG_PATHWAY	Regulation of autophagy	RT		13	7.3E-7	1.5E-4
<input type="checkbox"/>	KEGG_PATHWAY	Cytokine-cytokine receptor interaction	RT		40	1.4E-6	1.5E-4
<input type="checkbox"/>	KEGG_PATHWAY	Jak-STAT signaling pathway	RT		29	3.2E-6	2.3E-4
<input type="checkbox"/>	KEGG_PATHWAY	Toll-like receptor signaling pathway	RT		23	3.7E-6	2.0E-4
<input type="checkbox"/>	KEGG_PATHWAY	Natural killer cell mediated cytotoxicity	RT		21	9.3E-4	3.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine	RT		26	1.1E-3	6.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT		31	1.9E-3	2.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Antigen processing and presentation	RT		15	2.1E-3	7.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	response to other organism	RT		23	2.5E-3	2.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT		30	8.7E-3	5.3E-1
<input type="checkbox"/>	INTERPRO	Four-helical cytokine, core	RT		12	1.0E-2	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine activity	RT		28	1.9E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	defense response	RT		38	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor binding	RT		51	5.6E-1	1.0E0
Annotation Cluster 4		Enrichment Score: 4.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		67	1.8E-6	2.1E-3
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-subtype	RT		33	3.1E-5	3.0E-2
<input type="checkbox"/>	INTERPRO	KRAB box	RT		34	3.5E-5	2.9E-2
<input type="checkbox"/>	COG_ONTOLOGY	General function prediction only	RT		84	5.2E-5	4.1E-3
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT		43	7.4E-5	4.7E-2
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		50	8.9E-5	5.0E-2
<input type="checkbox"/>	SMART	KRAB	RT		36	2.3E-4	6.8E-2
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		57	2.5E-4	5.0E-2
Annotation Cluster 5		Enrichment Score: 3.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor binding	RT		39	3.3E-5	1.1E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transcription cofactor activity	RT		28	8.5E-5	2.5E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transcription coactivator activity	RT		17	6.8E-4	1.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT		30	3.6E-3	4.4E-1
Annotation Cluster 6		Enrichment Score: 3.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Protocadherin gamma	RT		22	6.9E-23	4.0E-19

<input type="checkbox"/>	INTERPRO	Cadherin, N-terminal	RT		22	1.4E-8	2.0E-5
<input type="checkbox"/>	INTERPRO	Cadherin	RT		23	4.2E-5	3.0E-2
<input type="checkbox"/>	SMART	CA	RT		23	3.8E-4	5.6E-2
<input type="checkbox"/>	GOTERM_CC_ALL	cell fraction	RT		55	2.3E-2	7.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	membrane fraction	RT		48	4.2E-2	8.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT		35	7.1E-2	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	homophilic cell adhesion	RT		11	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT		56	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT		56	4.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium	RT		48	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell adhesion	RT		20	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calcium ion binding	RT		63	7.4E-1	1.0E0
Annotation Cluster 7		Enrichment Score: 3.04	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		44	6.5E-7	2.2E-4
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		44	1.4E-6	4.6E-4
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		33	1.2E-5	3.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		49	1.6E-5	3.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		78	5.8E-5	1.1E-2
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT		19	1.2E-3	1.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT		41	1.5E-3	1.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		17	4.5E-3	2.1E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT		35	4.8E-3	2.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organelle organization and biogenesis	RT		84	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT		94	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT		94	9.8E-1	1.0E0
Annotation Cluster 8		Enrichment Score: 2.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:RING-type	RT		19	1.4E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT		31	3.9E-3	6.6E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, RING/FYVE/PHD-type	RT		22	7.3E-3	8.2E-1
<input type="checkbox"/>	SMART	RING	RT		32	3.9E-2	7.8E-1
Annotation Cluster 9		Enrichment Score: 2.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-dependent nuclear receptor activity	RT		15	4.7E-4	1.2E-1
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding, core	RT		12	7.0E-4	3.1E-1
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding	RT		12	8.5E-4	3.4E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, nuclear hormone receptor-type	RT		11	1.5E-3	4.7E-1
<input type="checkbox"/>	SMART	HOLI	RT		12	2.3E-3	2.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Modulating	RT		6	2.5E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Steroid hormone receptor	RT		11	2.6E-3	5.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor activity	RT		13	3.5E-3	4.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Steroid-binding	RT		4	3.6E-3	1.0E0
<input type="checkbox"/>	SMART	ZnF_C4	RT		11	4.5E-3	3.2E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, NHR/GATA-type	RT		9	8.6E-3	8.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:NR C4-type	RT		8	2.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Nuclear receptor	RT		8	2.0E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Steroid-binding	RT		5	2.9E-2	6.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	steroid binding	RT		10	3.4E-2	9.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Hinge	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Lipid-binding	RT		9	2.9E-1	9.9E-1

<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Ligand-binding	RT					3	5.6E-1	1.0E0
	Annotation Cluster 10	Enrichment Score: 2.02	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT					40	5.5E-4	8.5E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transcription repressor activity	RT					27	1.1E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT					41	1.1E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT					46	1.1E-3	1.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT					31	1.5E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT					57	1.7E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT					101	3.4E-3	3.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT					30	3.6E-3	4.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT					105	7.1E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT					47	7.2E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT					22	7.8E-3	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT					49	7.8E-3	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT					39	2.9E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT					47	3.3E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT					39	3.8E-2	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT					48	5.7E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT					31	8.2E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT					85	8.4E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT					23	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT					90	2.3E-1	1.0E0
	Annotation Cluster 11	Enrichment Score: 1.87	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of odontogenesis	RT					4	1.9E-3	2.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of odontogenesis of dentine-containing teeth	RT					4	8.2E-3	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of odontogenesis of dentine-containing teeth	RT					3	1.8E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of odontogenesis	RT					3	1.8E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis of dentine-containing teeth	RT					8	2.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis	RT					8	4.5E-2	9.2E-1
	Annotation Cluster 12	Enrichment Score: 1.82	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	bromodomain	RT					8	6.1E-3	2.6E-1
<input type="checkbox"/>	INTERPRO	Bromodomain	RT					9	6.2E-3	7.8E-1
<input type="checkbox"/>	SMART	BROMO	RT					10	7.3E-3	4.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Bromo	RT					3	1.9E-1	1.0E0
	Annotation Cluster 13	Enrichment Score: 1.6	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:ZZ-type	RT					4	1.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, ZZ-type	RT					5	2.4E-2	9.8E-1
<input type="checkbox"/>	SMART	ZnF_ZZ	RT					5	3.8E-2	7.9E-1
	Annotation Cluster 14	Enrichment Score: 1.54	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biotin biosynthetic process	RT					7	1.6E-6	4.8E-4
<input type="checkbox"/>	GOTERM_BP_ALL	biotin metabolic process	RT					7	1.6E-5	3.7E-3
<input type="checkbox"/>	INTERPRO	Biotin synthase	RT					4	1.7E-3	4.8E-1
<input type="checkbox"/>	INTERPRO	Biotin and thiamin synthesis associated	RT					4	1.7E-3	4.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	biotin synthase activity	RT					4	1.8E-3	2.7E-1

<input type="checkbox"/>	INTERPRO	Elongator protein 3/MiaB/NifB	RT		5	5.0E-3	7.3E-1
<input type="checkbox"/>	INTERPRO	Radical SAM	RT		5	5.0E-3	7.3E-1
<input type="checkbox"/>	SMART	Elp3	RT		5	8.4E-3	4.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	2 iron, 2 sulfur cluster binding	RT		6	1.0E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin biosynthetic process	RT		7	1.4E-2	6.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	biotin biosynthesis	RT		3	1.6E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin biosynthetic process	RT		7	1.7E-2	7.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sulfurtransferase activity	RT		4	2.8E-2	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	s-adenosyl-l-methionine	RT		11	3.4E-2	6.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron-sulfur	RT		7	7.1E-2	8.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	4Fe-4S	RT		5	8.0E-2	8.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	4 iron, 4 sulfur cluster binding	RT		5	9.9E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur compound biosynthetic process	RT		7	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	metal cluster binding	RT		7	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	iron-sulfur cluster binding	RT		7	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin metabolic process	RT		7	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur metabolic process	RT		10	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin metabolic process	RT		9	2.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	2Fe-2S	RT		3	3.2E-1	9.9E-1
<input type="checkbox"/>	COG_ONTOLOGY	Coenzyme metabolism	RT		5	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heterocycle metabolic process	RT		9	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Aldolase-type TIM barrel	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron	RT		21	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		18	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring sulfur-containing groups	RT		5	6.2E-1	1.0E0
Annotation Cluster 15		Enrichment Score: 1.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	MAD homology 1, Dwarfism-type	RT		5	1.4E-2	9.3E-1
<input type="checkbox"/>	SMART	DWA	RT		5	2.3E-2	6.9E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF018476:nuclear factor 1	RT		3	4.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	CTF/NF-I	RT		3	5.1E-2	1.0E0
Annotation Cluster 16		Enrichment Score: 1.51	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	AT-rich interaction region	RT		6	2.0E-3	5.0E-1
<input type="checkbox"/>	SMART	BRIGHT	RT		6	3.9E-3	3.2E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji	RT		4	5.9E-2	1.0E0
<input type="checkbox"/>	SMART	JmjC	RT		5	7.0E-2	8.5E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji, JmjN	RT		3	7.2E-2	1.0E0
<input type="checkbox"/>	SMART	JmjN	RT		3	9.3E-2	9.1E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji/aspartyl beta-hydroxylase	RT		4	1.2E-1	1.0E0
Annotation Cluster 17		Enrichment Score: 1.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromosomal protein	RT		19	8.6E-4	5.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT		19	1.2E-3	1.6E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002050:histone H2B	RT		4	5.7E-3	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly	RT		13	9.2E-3	5.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin	RT		22	1.1E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleosome assembly	RT		11	1.3E-2	6.6E-1
<input type="checkbox"/>	INTERPRO	Histone H2B	RT		4	1.9E-2	9.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleosome	RT		9	2.3E-2	7.0E-1
<input type="checkbox"/>	SMART	H2B	RT		4	2.8E-2	7.1E-1

<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleosome core	RT				7	3.5E-2	6.6E-1
<input type="checkbox"/>	INTERPRO	Histone core	RT				6	3.9E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	citrullination	RT				4	5.7E-2	8.0E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002048:histone H2A	RT				3	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein-DNA complex assembly	RT				11	1.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Histone-fold	RT				5	3.5E-1	1.0E0
<input type="checkbox"/>	SMART	H2A	RT				3	3.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT				34	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT				27	6.5E-1	1.0E0
	Annotation Cluster 18	Enrichment Score: 1.45	G				Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002387:myelin proteolipid protein	RT				3	1.4E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Myelin proteolipid protein PLP	RT				3	5.1E-2	1.0E0
<input type="checkbox"/>	SMART	PLP	RT				3	6.6E-2	8.6E-1
	Annotation Cluster 19	Enrichment Score: 1.44	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	retinal homeostasis	RT				4	1.9E-3	2.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal homeostasis	RT				5	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tissue homeostasis	RT				5	1.6E-1	9.9E-1
	Annotation Cluster 20	Enrichment Score: 1.39	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT				169	3.0E-5	6.4E-3
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT				149	4.8E-5	9.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT				172	8.1E-5	1.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT				521	3.6E-4	6.1E-2
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT				65	5.9E-3	5.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT				41	7.1E-3	2.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT				73	9.6E-3	7.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT				53	1.1E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT				66	1.6E-2	7.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT				49	1.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT				98	2.0E-2	8.7E-1
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT				30	2.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT				85	3.0E-2	9.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT				36	3.2E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT				116	3.8E-2	6.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT				160	3.9E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT				83	4.0E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT				83	4.0E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT				71	4.1E-2	9.1E-1
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT				24	5.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT				37	5.8E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT				66	6.4E-2	8.1E-1
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT				35	8.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT				51	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT				30	2.2E-1	1.0E0
<input type="checkbox"/>	SMART	S_TKc	RT				37	2.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT				243	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT				162	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT				243	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT				249	3.9E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		132	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		132	4.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		102	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		137	4.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		79	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		105	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		110	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		103	6.3E-1	1.0E0
Annotation Cluster 21					Enrichment Score: 1.31	G	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 4	RT		4	3.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 3	RT		4	3.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 2	RT		4	3.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 1	RT		4	3.3E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 5	RT		4	3.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Regulator of chromosome condensation, RCC1	RT		5	1.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Cell division and chromosome partitioning / Cytoskeleton	RT		4	1.6E-1	1.0E0
Annotation Cluster 22					Enrichment Score: 1.27	G	
<input type="checkbox"/>	INTERPRO	SANT, DNA-binding	RT		10	2.6E-2	9.8E-1
<input type="checkbox"/>	SMART	SANT	RT		10	5.7E-2	8.3E-1
<input type="checkbox"/>	INTERPRO	Myb, DNA-binding	RT		6	1.1E-1	1.0E0
Annotation Cluster 23					Enrichment Score: 1.26	G	
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT		30	6.9E-4	1.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		23	1.6E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		26	4.6E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT		47	6.3E-3	4.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase activator activity	RT		12	1.2E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rab GTPase activity	RT		8	2.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Rab protein signal transduction	RT		8	2.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rab protein signal transduction	RT		8	2.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		47	3.5E-2	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		24	3.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Rab GTPase activator activity	RT		8	3.7E-2	9.3E-1
<input type="checkbox"/>	INTERPRO	RabGAP/TBC	RT		7	4.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras GTPase activity	RT		8	6.1E-2	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		17	9.1E-2	9.9E-1
<input type="checkbox"/>	SMART	TBC	RT		7	1.2E-1	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		32	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Rab-GAP TBC	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of GTPase activity	RT		9	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activator activity	RT		16	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	gtpase activation	RT		8	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme activator activity	RT		19	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme regulator activity	RT		48	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hydrolase activity	RT		10	8.5E-1	1.0E0
Annotation Cluster 24					Enrichment Score: 1.22	G	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:GATA-type	RT		3	3.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, GATA-type	RT		4	7.3E-2	1.0E0
<input type="checkbox"/>	SMART	ZnF_GATA	RT		4	1.0E-1	9.0E-1

Annotation Cluster 25		Enrichment Score: 1.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	biological rhythms	RT		6	9.2E-3	3.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:CSNK1E binding domain	RT		3	1.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:CRY binding domain	RT		3	1.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	two-component signal transduction system (phosphorelay)	RT		7	1.7E-2	7.3E-1
<input type="checkbox"/>	INTERPRO	PAC motif	RT		6	2.8E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein histidine kinase activity	RT		6	2.9E-2	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	two-component sensor activity	RT		5	4.7E-2	9.6E-1
<input type="checkbox"/>	SMART	PAC	RT		6	5.7E-2	8.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Circadian rhythm	RT		4	5.8E-2	5.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, nitrogenous group as acceptor	RT		6	6.2E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	PAS fold-3	RT		5	6.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	PAS	RT		6	6.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAS 1	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAS 2	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	SMART	PAS	RT		6	1.2E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	circadian rhythm	RT		5	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAC	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Nuclear export signal	RT		4	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	PAS fold	RT		3	5.1E-1	1.0E0
Annotation Cluster 26		Enrichment Score: 1.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	histone modification	RT		11	2.3E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT		11	4.4E-3	3.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	bromodomain	RT		8	6.1E-3	2.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Notch signaling pathway	RT		9	1.5E-2	3.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	histone acetyltransferase complex	RT		4	4.5E-2	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	histone acetyltransferase activity	RT		5	4.7E-2	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	lysine N-acetyltransferase activity	RT		5	4.7E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	histone acetylation	RT		4	5.0E-2	9.4E-1
<input type="checkbox"/>	BIOCARTA	Control of Gene Expression by Vitamin D Receptor	RT		7	6.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acetylation	RT		4	1.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		8	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		9	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		8	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	kinetochore	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	The information-processing pathway at the IFN-beta enhancer	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acylation	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT		6	5.8E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 1.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	determination of left/right symmetry	RT		8	1.5E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	determination of symmetry	RT		8	1.8E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	determination of bilateral symmetry	RT		8	1.8E-2	7.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT		19	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regionalization	RT		11	7.3E-1	1.0E0
Annotation Cluster 28		Enrichment Score: 1.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 9	RT		5	9.1E-3	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 8	RT		5	1.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 5	RT		10	1.7E-2	1.0E0

Annotation Type	Description	RT	Count	P-Value	Benjamini
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 4	RT	10	3.8E-2	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 6	RT	7	5.8E-2	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 3	RT	11	6.1E-2	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 7	RT	5	7.5E-2	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 1	RT	11	1.3E-1	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	repeat:ANK 2	RT	11	1.3E-1	1.0E0
<input type="checkbox"/> SP_PIR_KEYWORDS	ank repeat	RT	19	1.9E-1	9.5E-1
<input type="checkbox"/> INTERPRO	Ankyrin	RT	14	6.4E-1	1.0E0
<input type="checkbox"/> SMART	ANK	RT	17	7.3E-1	1.0E0
Annotation Cluster 29 Enrichment Score: 1.08 G			Count	P-Value	Benjamini
<input type="checkbox"/> SP_PIR_KEYWORDS	apoptosis	RT	29	4.2E-2	7.0E-1
<input type="checkbox"/> GOTERM_BP_ALL	apoptosis	RT	67	5.7E-2	9.4E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell death	RT	70	6.2E-2	9.5E-1
<input type="checkbox"/> GOTERM_BP_ALL	death	RT	70	6.2E-2	9.5E-1
<input type="checkbox"/> GOTERM_BP_ALL	programmed cell death	RT	67	7.5E-2	9.6E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell development	RT	112	7.9E-2	9.7E-1
<input type="checkbox"/> GOTERM_BP_ALL	regulation of apoptosis	RT	46	8.8E-2	9.7E-1
<input type="checkbox"/> GOTERM_BP_ALL	regulation of programmed cell death	RT	46	1.0E-1	9.8E-1
<input type="checkbox"/> GOTERM_BP_ALL	cellular developmental process	RT	157	1.7E-1	1.0E0
<input type="checkbox"/> GOTERM_BP_ALL	cell differentiation	RT	157	1.7E-1	1.0E0
Annotation Cluster 30 Enrichment Score: 1.07 G			Count	P-Value	Benjamini
<input type="checkbox"/> INTERPRO	Zinc finger, CCCH-type	RT	9	2.0E-2	9.7E-1
<input type="checkbox"/> SMART	ZnF_C3H1	RT	9	5.3E-2	8.4E-1
<input type="checkbox"/> UP_SEQ_FEATURE	zinc finger region:C3H1-type 1	RT	3	2.2E-1	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	zinc finger region:C3H1-type 2	RT	3	2.2E-1	1.0E0
Annotation Cluster 31 Enrichment Score: 1.03 G			Count	P-Value	Benjamini
<input type="checkbox"/> GOTERM_BP_ALL	intracellular signaling cascade	RT	118	7.3E-3	4.9E-1
<input type="checkbox"/> GOTERM_BP_ALL	signal transduction	RT	225	6.9E-2	9.6E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell communication	RT	239	1.7E-1	9.9E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell surface receptor linked signal transduction	RT	96	8.8E-1	1.0E0
Annotation Cluster 32 Enrichment Score: 1 G			Count	P-Value	Benjamini
<input type="checkbox"/> INTERPRO	LisH dimerisation motif	RT	6	5.2E-2	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	domain:LisH	RT	4	5.4E-2	1.0E0
<input type="checkbox"/> SMART	LisH	RT	6	8.6E-2	9.0E-1
<input type="checkbox"/> INTERPRO	CTLH, C-terminal to LisH motif	RT	3	1.8E-1	1.0E0
<input type="checkbox"/> SMART	CTLH	RT	3	2.2E-1	9.7E-1
Annotation Cluster 33 Enrichment Score: 0.98 G			Count	P-Value	Benjamini
<input type="checkbox"/> INTERPRO	BTB/POZ	RT	15	1.8E-2	9.6E-1
<input type="checkbox"/> INTERPRO	BTB/POZ-like	RT	17	6.8E-2	1.0E0
<input type="checkbox"/> INTERPRO	BTB/POZ fold	RT	16	1.2E-1	1.0E0
<input type="checkbox"/> SMART	BTB	RT	18	1.5E-1	9.3E-1
<input type="checkbox"/> INTERPRO	Kelch related	RT	7	2.0E-1	1.0E0
<input type="checkbox"/> UP_SEQ_FEATURE	domain:BTB	RT	6	3.3E-1	1.0E0
Annotation Cluster 34 Enrichment Score: 0.96 G			Count	P-Value	Benjamini
<input type="checkbox"/> GOTERM_BP_ALL	anti-apoptosis	RT	14	7.0E-2	9.6E-1
<input type="checkbox"/> GOTERM_BP_ALL	regulation of apoptosis	RT	46	8.8E-2	9.7E-1
<input type="checkbox"/> GOTERM_BP_ALL	regulation of programmed cell death	RT	46	1.0E-1	9.8E-1
<input type="checkbox"/> GOTERM_BP_ALL	negative regulation of apoptosis	RT	21	1.5E-1	9.9E-1
<input type="checkbox"/> GOTERM_BP_ALL	negative regulation of programmed cell death	RT	21	1.7E-1	9.9E-1

Annotation Cluster 35		Enrichment Score: 0.96	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 6	RT		5	2.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 5	RT		5	4.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 4	RT		5	5.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 2	RT		5	6.5E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 3	RT		5	6.5E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Kelch 1	RT		5	6.5E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kelch repeat	RT		7	1.0E-1	8.8E-1
<input type="checkbox"/>	INTERPRO	Kelch-type beta propeller	RT		6	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Kelch related	RT		7	2.0E-1	1.0E0
<input type="checkbox"/>	SMART	Kelch	RT		8	2.4E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Kelch repeat type 1	RT		6	2.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:BTB	RT		6	3.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/Kelch-associated	RT		5	3.5E-1	1.0E0
Annotation Cluster 36		Enrichment Score: 0.95	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine/threonine-specific protein kinase	RT		8	1.7E-2	4.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP	RT		18	1.3E-1	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	autophosphorylation	RT		6	2.2E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphotransferase	RT		13	3.1E-1	9.9E-1
Annotation Cluster 37		Enrichment Score: 0.93	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein processing	RT		12	7.6E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid autophosphorylation	RT		7	1.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein autoprocessing	RT		7	1.6E-1	9.9E-1
Annotation Cluster 38		Enrichment Score: 0.92	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		23	1.6E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		26	4.6E-3	3.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		24	3.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		17	9.1E-2	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	guanine-nucleotide releasing factor	RT		10	1.1E-1	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras guanyl-nucleotide exchange factor activity	RT		10	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rho protein signal transduction	RT		9	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Rho protein signal transduction	RT		11	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Rho guanyl-nucleotide exchange factor activity	RT		8	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Guanine-nucleotide dissociation stimulator, CDC24	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:DH	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DH	RT		5	6.5E-1	1.0E0
<input type="checkbox"/>	SMART	RhoGEF	RT		5	7.6E-1	1.0E0
Annotation Cluster 39		Enrichment Score: 0.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Sulphatase	RT		4	5.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sulfuric ester hydrolase activity	RT		4	6.1E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	Alkaline phosphatase	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	SMART	alkPPc	RT		4	3.1E-1	9.9E-1
Annotation Cluster 40		Enrichment Score: 0.89	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ELM2	RT		3	6.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SANT	RT		3	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ELM2	RT		3	2.3E-1	1.0E0
Annotation Cluster 41		Enrichment Score: 0.88	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT		18	4.7E-3	3.8E-1

<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT		21	6.9E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT		24	2.5E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast maturation	RT		6	4.3E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell maturation	RT		13	4.7E-2	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast development	RT		6	5.0E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT		11	5.2E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT		11	5.2E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT		8	5.5E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT		11	8.1E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	developmental maturation	RT		13	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle cell differentiation	RT		6	1.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myofibril assembly	RT		4	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle cell development	RT		4	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell development	RT		4	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actomyosin structure organization and biogenesis	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	myofibril	RT		7	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	contractile fiber	RT		7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	contractile fiber part	RT		5	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT		13	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	sarcomere	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT		11	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT		27	9.9E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.87	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Caspase Recruitment	RT		5	7.3E-2	1.0E0
<input type="checkbox"/>	SMART	CARD	RT		5	1.1E-1	9.1E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CARD	RT		3	3.1E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.87	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	UBA	RT		6	9.8E-2	9.0E-1
<input type="checkbox"/>	INTERPRO	Ubiquitin-associated/translation elongation factor EF1B, N-terminal	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:UBA	RT		4	2.0E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.84	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT		18	4.0E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT		20	1.0E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Phospholipid biosynthesis	RT		5	1.3E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT		9	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT		10	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid biosynthetic process	RT		4	5.3E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.83	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	CHROMO	RT		6	9.8E-2	9.0E-1
<input type="checkbox"/>	INTERPRO	Chromo	RT		5	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chromatin binding	RT		13	2.5E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.83	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF038354:forkhead box O protein	RT		3	1.4E-2	1.0E0
<input type="checkbox"/>	BIOCARTA	AKT Signaling Pathway	RT		5	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Fork head transcription factor	RT		6	1.8E-1	1.0E0
<input type="checkbox"/>	SMART	FH	RT		6	2.6E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Winged helix repressor DNA-binding	RT		11	3.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Fork-head	RT		4	3.6E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.83	G		Count	P_Value	Benjamini


















































<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		16	5.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		16	5.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		16	5.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		14	1.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		24	1.2E-1	9.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT		13	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT		10	1.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		18	3.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT		6	4.5E-1	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		20	6.0E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	telomeric DNA binding	RT		4	2.8E-2	9.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	single-stranded DNA binding	RT		5	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	structure-specific DNA binding	RT		6	5.5E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.75	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT		25	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT		22	1.4E-1	1.0E0
<input type="checkbox"/>	SMART	PH	RT		23	3.5E-1	9.9E-1
	Annotation Cluster 50	Enrichment Score: 0.75	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT		21	6.7E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT		16	1.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT		28	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT		14	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT		11	3.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth regulation	RT		5	3.8E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.74	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	monocarboxylic acid metabolic process	RT		28	2.2E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid metabolic process	RT		17	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		42	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT		42	4.9E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.72	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	carnitine O-palmitoyltransferase activity	RT		3	5.2E-2	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	O-palmitoyltransferase activity	RT		3	5.2E-2	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Fatty acid metabolism	RT		7	8.5E-2	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carnitine O-acyltransferase activity	RT		3	9.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Acyltransferase ChoActase/COT/CPT	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	PPAR signaling pathway	RT		9	1.5E-1	8.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid metabolism	RT		12	1.8E-1	9.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Fatty acid metabolism	RT		6	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	palmitoyltransferase activity	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	O-acyltransferase activity	RT		4	4.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	outer membrane	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	outer membrane	RT		5	8.6E-1	1.0E0
	Annotation Cluster 53	Enrichment Score: 0.72	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	suckling behavior	RT		3	5.3E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	behavioral interaction between organisms	RT		4	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	feeding behavior	RT		4	5.3E-1	1.0E0
	Annotation Cluster 54	Enrichment Score: 0.7	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, FYVE-type	RT		6	9.5E-2	1.0E0
<input type="checkbox"/>	SMART	FYVE	RT		6	1.5E-1	9.4E-1




<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:FYVE-type	RT			3	5.4E-1	1.0E0
		Annotation Cluster 55	Enrichment Score: 0.7	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001950:small inducible chemokine, C/CC types	RT			5	5.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, interleukin-8-like	RT			7	8.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, C-C	RT			5	9.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine activity	RT			7	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor binding	RT			7	1.1E-1	1.0E0
<input type="checkbox"/>	SMART	SCY	RT			7	1.4E-1	9.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	chemotaxis	RT			8	1.5E-1	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein-coupled receptor binding	RT			8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotory behavior	RT			19	3.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Pertussis toxin-insensitive CCR5 Signaling in Macrophage	RT			3	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	taxis	RT			10	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemotaxis	RT			10	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	behavior	RT			26	5.8E-1	1.0E0
		Annotation Cluster 56	Enrichment Score: 0.69	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte homeostasis	RT			5	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostasis of number of cells	RT			5	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte homeostasis	RT			4	2.3E-1	1.0E0
		Annotation Cluster 57	Enrichment Score: 0.69	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT			16	8.1E-2	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT			15	1.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT			20	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT			15	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT			34	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT			16	1.7E-1	1.0E0
<input type="checkbox"/>	SMART	UBCc	RT			7	2.7E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT			21	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification by small protein conjugation	RT			6	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein ubiquitination	RT			5	6.8E-1	1.0E0
		Annotation Cluster 58	Enrichment Score: 0.68	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, telomeric region	RT			5	5.9E-2	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	telomere	RT			4	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	telomere maintenance	RT			3	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	telomere organization and biogenesis	RT			3	5.3E-1	1.0E0
		Annotation Cluster 59	Enrichment Score: 0.68	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	rhythmic process	RT			12	6.2E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT			10	8.6E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT			13	1.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT			9	1.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT			12	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female sex differentiation	RT			7	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary female sexual characteristics	RT			7	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT			9	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle phase	RT			6	1.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle process	RT			6	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ovulation from ovarian follicle	RT			3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ovulation	RT			3	2.1E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	female gonad development	RT		6	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle	RT		6	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	female gamete generation	RT		5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ovarian follicle development	RT		4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male sex differentiation	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gonad development	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism reproduction	RT		7	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process in a multicellular organism	RT		7	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT		19	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary male sexual characteristics	RT		3	6.2E-1	1.0E0
Annotation Cluster 60		Enrichment Score: 0.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organism growth	RT		9	5.5E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism growth	RT		9	1.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of multicellular organism growth	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organism growth	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of growth	RT		3	7.6E-1	1.0E0
Annotation Cluster 61		Enrichment Score: 0.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Death	RT		5	7.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Death	RT		6	9.5E-2	1.0E0
<input type="checkbox"/>	SMART	DEATH	RT		6	1.7E-1	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TNFR-Cys 2	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TNFR-Cys 1	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DEATH-like	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TNFR-Cys 3	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	TNFR/CD27/30/40/95 cysteine-rich region	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	SMART	TNFR	RT		4	5.5E-1	1.0E0
Annotation Cluster 62		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	stress-activated protein kinase signaling pathway	RT		8	1.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT		14	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	JNK cascade	RT		6	3.6E-1	1.0E0
Annotation Cluster 63		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT		75	2.1E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT		27	5.7E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT		28	7.0E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	B cell activation	RT		13	7.5E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT		23	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT		15	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT		24	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		25	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell differentiation	RT		5	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT		13	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT		21	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte differentiation	RT		10	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		10	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell differentiation	RT		6	6.8E-1	1.0E0
Annotation Cluster 64		Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:AGC-kinase C-terminal	RT		7	1.4E-1	1.0E0

<input type="checkbox"/>	INTERPRO	Protein kinase, C-terminal	RT		7	2.3E-1	1.0E0	
<input type="checkbox"/>	SMART	S_TK_X	RT		7	3.5E-1	9.9E-1	
	Annotation Cluster 65		Enrichment Score: 0.63	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	viral capsid	RT		4	2.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	virion	RT		4	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	virion part	RT		4	2.5E-1	1.0E0	
	Annotation Cluster 66		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	detection of stimulus	RT		10	6.9E-2	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of light stimulus	RT		5	1.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of external stimulus	RT		8	1.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of abiotic stimulus	RT		7	1.4E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of stimulus during sensory perception	RT		6	2.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of light stimulus during sensory perception	RT		4	2.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of light stimulus during visual perception	RT		4	2.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	detection of visible light	RT		4	2.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT		11	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT		11	3.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	response to radiation	RT		10	3.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	response to light stimulus	RT		8	4.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phototransduction	RT		3	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	response to abiotic stimulus	RT		14	6.2E-1	1.0E0	
	Annotation Cluster 67		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		46	8.8E-2	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		46	1.0E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		16	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		16	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		18	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		18	5.3E-1	1.0E0	
	Annotation Cluster 68		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein methyltransferase activity	RT		8	2.9E-2	9.1E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	histone methyltransferase activity	RT		5	1.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	lysine N-methyltransferase activity	RT		4	1.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein-lysine N-methyltransferase activity	RT		4	1.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	histone-lysine N-methyltransferase activity	RT		4	1.6E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SET	RT		3	2.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	S-adenosylmethionine-dependent methyltransferase activity	RT		8	3.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	N-methyltransferase activity	RT		5	3.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SET	RT		5	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	methyltransferase activity	RT		14	5.0E-1	1.0E0	
<input type="checkbox"/>	SMART	SET	RT		5	5.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	methyltransferase	RT		10	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring one-carbon groups	RT		14	5.3E-1	1.0E0	
	Annotation Cluster 69		Enrichment Score: 0.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of MAP kinase activity	RT		8	6.8E-2	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transferase activity	RT		15	8.6E-2	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT		40	1.4E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein kinase activity	RT		13	1.6E-1	9.9E-1	

<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of kinase activity	RT		13	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of MAPK activity	RT		6	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT		14	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of JNK activity	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT		18	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT		18	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of MAP kinase activity	RT		8	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of JNK activity	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT		31	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT		16	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT		15	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptotic program	RT		3	9.6E-1	1.0E0
Annotation Cluster 70		Enrichment Score: 0.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Nuclear receptor ROR	RT		4	7.6E-3	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of macrophage activation	RT		3	7.6E-2	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transcription factor	RT		8	8.1E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cGMP metabolic process	RT		4	1.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macrophage activation	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell differentiation	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer formation	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer morphogenesis	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex formation	RT		3	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation in hindbrain	RT		3	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte activation	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer development	RT		3	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex morphogenesis	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cyclic nucleotide metabolic process	RT		5	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellum morphogenesis	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	disease mutation	RT		8	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hindbrain morphogenesis	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex development	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metencephalon development	RT		3	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellum development	RT		3	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide metabolic process	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide biosynthetic process	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hindbrain development	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound biosynthetic process	RT		4	9.9E-1	1.0E0
Annotation Cluster 71		Enrichment Score: 0.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT		20	1.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT		49	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT		55	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT		21	5.3E-1	1.0E0
Annotation Cluster 72		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleotidyltransferase	RT		9	1.7E-1	9.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA-directed DNA polymerase	RT		4	1.9E-1	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	DNA polymerase	RT		4	2.6E-1	8.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotidyltransferase activity	RT		12	3.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna replication	RT		8	3.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA-directed DNA polymerase activity	RT		4	4.0E-1	1.0E0

Annotation Cluster 73		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	spermine catabolic process	RT		3	1.8E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine catabolic process	RT		3	5.3E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermine metabolic process	RT		3	1.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative catabolic process	RT		4	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine catabolic process	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine metabolic process	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine metabolic process	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine catabolic process	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound catabolic process	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative metabolic process	RT		4	9.8E-1	1.0E0
Annotation Cluster 74		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	myelin sheath	RT		3	4.9E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myelination	RT		5	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ensheathment of neurons	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axon ensheathment	RT		5	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of action potential	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT		15	9.5E-1	1.0E0
Annotation Cluster 75		Enrichment Score: 0.58	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Protein kinase C, phorbol ester/diacylglycerol binding	RT		9	9.4E-2	1.0E0
<input type="checkbox"/>	SMART	C1	RT		9	1.7E-1	9.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:Phorbol-ester/DAG-type 1	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:Phorbol-ester/DAG-type 2	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase C activity	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	diacylglycerol binding	RT		6	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phorbol ester receptor activity	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Phorbol-ester binding	RT		4	6.4E-1	1.0E0
Annotation Cluster 76		Enrichment Score: 0.56	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis of dentine-containing teeth	RT		8	2.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis	RT		8	4.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	kidney development	RT		6	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metanephros development	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	urogenital system development	RT		6	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ureteric bud development	RT		3	8.0E-1	1.0E0
Annotation Cluster 77		Enrichment Score: 0.56	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microbody membrane	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisomal membrane	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microbody part	RT		4	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisomal part	RT		4	2.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	peroxisome	RT		8	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microbody	RT		8	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisome	RT		8	5.0E-1	1.0E0
Annotation Cluster 78		Enrichment Score: 0.55	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lysosomal transport	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vacuolar transport	RT		4	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endosome transport	RT		3	6.4E-1	1.0E0
Annotation Cluster 79		Enrichment Score: 0.55	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Prostate cancer	RT		13	3.5E-2	4.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT		11	4.2E-2	5.0E-1

<input type="checkbox"/>	KEGG_PATHWAY	mTOR signaling pathway	RT		8	9.5E-2	7.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT		9	1.5E-1	8.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Insulin signaling pathway	RT		14	1.8E-1	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide 3-kinase activity	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	1-phosphatidylinositol-3-kinase activity	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT		9	2.0E-1	8.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	phosphoinositide 3-kinase complex	RT		3	2.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT		7	2.2E-1	8.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	B cell receptor signaling pathway	RT		8	2.3E-1	8.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Small cell lung cancer	RT		10	2.4E-1	8.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Type II diabetes mellitus	RT		6	2.7E-1	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT		7	2.9E-1	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Fc epsilon RI signaling pathway	RT		8	3.1E-1	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT		6	3.4E-1	9.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT		17	3.8E-1	9.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	ErbB signaling pathway	RT		8	4.4E-1	9.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	T cell receptor signaling pathway	RT		9	4.4E-1	9.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT		6	4.6E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	inositol or phosphatidylinositol kinase activity	RT		4	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lipid kinase activity	RT		3	5.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Phosphatidylinositol signaling system	RT		6	5.5E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Colorectal cancer	RT		7	5.7E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Leukocyte transendothelial migration	RT		9	5.8E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT		6	6.4E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT		5	8.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytosolic part	RT		5	9.6E-1	1.0E0
Annotation Cluster 80		Enrichment Score: 0.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		8	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		9	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		8	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acyltransferase activity	RT		16	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring groups other than amino-acyl groups	RT		16	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	acyltransferase	RT		12	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring acyl groups	RT		16	4.7E-1	1.0E0
Annotation Cluster 81		Enrichment Score: 0.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT		7	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Leucine-zipper	RT		10	1.9E-1	1.0E0
<input type="checkbox"/>	SMART	BRLZ	RT		7	3.3E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		9	5.9E-1	1.0E0
Annotation Cluster 82		Enrichment Score: 0.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:B box-type	RT		6	4.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, B-box	RT		9	6.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	B-box, C-terminal	RT		4	1.0E-1	1.0E0
<input type="checkbox"/>	SMART	BBOX	RT		9	1.2E-1	9.2E-1
<input type="checkbox"/>	SMART	BBC	RT		4	3.6E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:B30.2/SPRY	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Butyrophilin-like	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001733:rfp transforming protein	RT		3	6.6E-1	1.0E0

<input type="checkbox"/>	INTERPRO	SP1a/Ryanodine receptor SPRY	RT					5	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	B302, (SPRY)-like	RT					5	7.1E-1	1.0E0
<input type="checkbox"/>	SMART	SPRY	RT					5	8.4E-1	1.0E0
	Annotation Cluster 83	Enrichment Score: 0.52	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Metal-dependent phosphohydrolase, HD region	RT					4	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	3',5'-cyclic-nucleotide phosphodiesterase activity	RT					4	2.4E-1	1.0E0
<input type="checkbox"/>	SMART	HDc	RT					4	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cyclic-nucleotide phosphodiesterase activity	RT					4	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	3'5'-cyclic nucleotide phosphodiesterase	RT					3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric diester hydrolase activity	RT					7	4.1E-1	1.0E0
	Annotation Cluster 84	Enrichment Score: 0.52	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell motility	RT					11	8.6E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell migration	RT					10	9.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of locomotion	RT					11	1.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	locomotion	RT					11	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell migration	RT					4	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell motility	RT					4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of locomotion	RT					4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT					27	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth factor	RT					11	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT					28	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT					28	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-matrix adhesion	RT					6	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-substrate adhesion	RT					6	8.0E-1	1.0E0
	Annotation Cluster 85	Enrichment Score: 0.52	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell adhesion	RT					5	4.0E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT					13	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of ossification	RT					5	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT					12	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT					12	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	osteoblast differentiation	RT					5	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of bone remodeling	RT					5	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT					13	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cartilage development	RT					5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell adhesion	RT					5	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT					15	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT					19	9.3E-1	1.0E0
	Annotation Cluster 86	Enrichment Score: 0.51	G					Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	SNARE interactions in vesicular transport	RT					5	2.4E-1	8.7E-1
<input type="checkbox"/>	INTERPRO	Syntaxin, N-terminal	RT					3	2.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Target SNARE coiled-coil region	RT					4	3.0E-1	1.0E0
<input type="checkbox"/>	SMART	SynN	RT					3	3.2E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Syntaxin/epimorphin coiled-coil	RT					3	3.8E-1	1.0E0
<input type="checkbox"/>	SMART	t_SNARE	RT					4	3.9E-1	9.9E-1
	Annotation Cluster 87	Enrichment Score: 0.5	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:F-box	RT					7	1.4E-1	1.0E0
<input type="checkbox"/>	SMART	FBOX	RT					7	4.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Cyclin-like F-box	RT					6	4.8E-1	1.0E0
	Annotation Cluster 88	Enrichment Score: 0.49	G					Count	P_Value	Benjamini

<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		14	6.1E-2	8.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		18	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein-specific protease activity	RT		7	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-specific protease activity	RT		6	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	thiolester hydrolase activity	RT		7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin thiolesterase activity	RT		5	7.0E-1	1.0E0
Annotation Cluster 89		Enrichment Score: 0.49	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		17	1.7E-1	1.0E0
<input type="checkbox"/>	SMART	RRM	RT		21	2.1E-1	9.7E-1
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		16	2.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT		31	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	RNA binding	RT		40	8.9E-1	1.0E0
Annotation Cluster 90		Enrichment Score: 0.48	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	adrenal gland development	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gland development	RT		8	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocrine system development	RT		5	5.8E-1	1.0E0
Annotation Cluster 91		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Phox-like	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	SMART	PX	RT		7	2.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	lipid binding	RT		35	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide binding	RT		14	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipid binding	RT		17	7.1E-1	1.0E0
Annotation Cluster 92		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT		13	7.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT		13	1.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	TPR repeat	RT		13	1.5E-1	9.2E-1
<input type="checkbox"/>	SMART	TPR	RT		13	2.0E-1	9.7E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR-1	RT		9	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR2	RT		6	3.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 8	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 4	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 3	RT		5	5.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 7	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 1	RT		5	6.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 2	RT		5	6.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 6	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 5	RT		3	6.4E-1	1.0E0
Annotation Cluster 93		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor	RT		6	8.9E-2	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Propanoate metabolism	RT		5	1.8E-1	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors	RT		6	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Aldehyde dehydrogenase	RT		3	2.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Lysine degradation	RT		4	5.9E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Valine, leucine and isoleucine degradation	RT		4	6.1E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Butanoate metabolism	RT		4	7.1E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Bile acid biosynthesis	RT		3	7.2E-1	9.9E-1
Annotation Cluster 94		Enrichment Score: 0.46	G		Count	P_Value	Benjamini















































<input type="checkbox"/>	KEGG_PATHWAY	Propanoate metabolism	RT					5	1.8E-1	8.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pyruvate metabolism	RT					5	3.7E-1	9.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycolysis / Gluconeogenesis	RT					5	5.9E-1	9.7E-1
	Annotation Cluster 95	Enrichment Score: 0.46	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	insulin-like growth factor binding	RT					4	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:IGFBP N-terminal	RT					3	3.6E-1	1.0E0
<input type="checkbox"/>	SMART	IB	RT					3	5.1E-1	1.0E0
	Annotation Cluster 96	Enrichment Score: 0.46	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Guanine-nucleotide dissociation stimulator CDC25	RT					4	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras guanine nucleotide exchange factor	RT					4	3.7E-1	1.0E0
<input type="checkbox"/>	SMART	RasGEF	RT					4	3.9E-1	9.9E-1
	Annotation Cluster 97	Enrichment Score: 0.45	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT					19	4.1E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT					46	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT					44	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT					46	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT					46	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT					23	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT					17	9.1E-1	1.0E0
	Annotation Cluster 98	Enrichment Score: 0.43	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT					112	7.9E-2	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT					157	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT					157	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT					244	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT					111	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT					134	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT					172	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT					155	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT					208	9.6E-1	1.0E0
	Annotation Cluster 99	Enrichment Score: 0.43	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome, pericentric region	RT					3	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT					6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT					5	6.2E-1	1.0E0
	Annotation Cluster 100	Enrichment Score: 0.42	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of ARF protein signal transduction	RT					3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ARF guanyl-nucleotide exchange factor activity	RT					3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ARF protein signal transduction	RT					3	3.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SEC7-like	RT					3	3.8E-1	1.0E0
<input type="checkbox"/>	SMART	Sec7	RT					3	4.5E-1	1.0E0
	Annotation Cluster 101	Enrichment Score: 0.41	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA biosynthetic process	RT					3	7.6E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	acetyl-CoA metabolic process	RT					3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT					9	9.7E-1	1.0E0
	Annotation Cluster 102	Enrichment Score: 0.41	G					Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	ABC transporters - General	RT					8	2.5E-2	3.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 2	RT					4	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 1	RT					4	1.3E-1	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 2	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 1	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transmembrane type-1 2	RT		3	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transmembrane type-1 1	RT		3	1.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ABC transporter, transmembrane region, type 1	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Defense mechanisms	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide binding	RT		7	6.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	P-loop	RT		7	6.2E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Nuclear Receptors in Lipid Metabolism and Toxicity	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		23	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		9	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		9	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances	RT		9	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		9	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		9	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		17	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		4	9.8E-1	1.0E0
Annotation Cluster 103		Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Protein phosphatase 2C, manganese/magnesium aspartate binding site	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine phosphatase activity	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein phosphatase 2C	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein phosphatase 2C, N-terminal	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein phosphatase 2C-related	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein phosphatase type 2C activity	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	SMART	PP2C_SIG	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	PP2Cc	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	protein serine/threonine phosphatase complex	RT		3	6.2E-1	1.0E0
Annotation Cluster 104		Enrichment Score: 0.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT		19	4.1E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	Ras small GTPase, Rab type	RT		8	1.6E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT		7	2.3E-1	1.0E0
<input type="checkbox"/>	SMART	RAB	RT		8	2.7E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT		30	2.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-geranylgeranyl cysteine	RT		9	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT		30	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT		30	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT		11	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	prenylation	RT		12	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT		22	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT		12	5.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Effector region	RT		6	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	er-golgi transport	RT		4	8.6E-1	1.0E0

<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT				9	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT				5	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT				11	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ER to Golgi vesicle-mediated transport	RT				3	9.5E-1	1.0E0
	Annotation Cluster 105	Enrichment Score: 0.38	G				Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	NFkB activation by Nontypeable Hemophilus influenzae	RT				6	1.6E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	TGF beta signaling pathway	RT				4	2.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Adherens junction	RT				5	8.0E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Cell cycle	RT				7	8.1E-1	9.9E-1
	Annotation Cluster 106	Enrichment Score: 0.38	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3; atypical	RT				3	9.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1; atypical	RT				3	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 7	RT				6	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT				12	3.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT				11	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 4	RT				9	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 8	RT				5	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 6	RT				6	4.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT				11	4.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 5	RT				7	5.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:KRAB	RT				3	5.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 13	RT				3	5.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 9	RT				4	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 11	RT				3	6.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 12	RT				3	6.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 10	RT				3	7.7E-1	1.0E0
	Annotation Cluster 107	Enrichment Score: 0.38	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Rho-GAP	RT				4	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	RhoGAP	RT				5	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	RhoGAP	RT				5	5.8E-1	1.0E0
	Annotation Cluster 108	Enrichment Score: 0.37	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme binding	RT				19	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	kinase binding	RT				8	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase binding	RT				7	4.9E-1	1.0E0
	Annotation Cluster 109	Enrichment Score: 0.37	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate transmembrane transporter activity	RT				6	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glucose transmembrane transporter activity	RT				3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monosaccharide transmembrane transporter activity	RT				3	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hexose transmembrane transporter activity	RT				3	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar:hydrogen ion symporter activity	RT				5	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar transmembrane transporter activity	RT				5	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT				13	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT				7	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT				15	6.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sugar transport	RT				3	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT				24	8.2E-1	1.0E0
	Annotation Cluster 110	Enrichment Score: 0.37	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	interphase	RT				7	3.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	interphase of mitotic cell cycle	RT				7	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	G1/S transition of mitotic cell cycle	RT				4	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT				18	7.8E-1	1.0E0	
	Annotation Cluster 111	Enrichment Score: 0.36	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ubiquitin-like	RT				4	2.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Ubiquitin	RT				5	5.1E-1	1.0E0	
<input type="checkbox"/>	SMART	UBO	RT				5	6.8E-1	1.0E0	
	Annotation Cluster 112	Enrichment Score: 0.36	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	KEGG_PATHWAY	Glycosphingolipid biosynthesis - ganglioseries	RT				4	9.7E-2	7.0E-1	
<input type="checkbox"/>	INTERPRO	Glycosyl transferase, family 29	RT				4	2.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	sialyltransferase activity	RT				4	2.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	integral to Golgi membrane	RT				5	2.0E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 2	RT				7	2.2E-1	8.8E-1	
<input type="checkbox"/>	KEGG_PATHWAY	O-Glycan biosynthesis	RT				4	2.7E-1	8.8E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to Golgi membrane	RT				5	3.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to organelle membrane	RT				9	3.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Sialyltransferase	RT				3	3.2E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005557:sialyltransferase	RT				3	3.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	integral to organelle membrane	RT				8	3.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid O-linked glycosylation	RT				3	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT				8	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT				8	5.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT				19	5.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT				10	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT				8	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi membrane	RT				8	6.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT				13	7.3E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT				7	8.1E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal-anchor	RT				22	8.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi apparatus part	RT				10	9.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Luminal	RT				14	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT				5	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT				7	9.8E-1	1.0E0	
	Annotation Cluster 113	Enrichment Score: 0.35	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:WW	RT				3	1.9E-1	1.0E0	
<input type="checkbox"/>	SMART	WW	RT				5	6.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	WW/Rsp5/WWP	RT				4	7.1E-1	1.0E0	
	Annotation Cluster 114	Enrichment Score: 0.35	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	photoreceptor cell maintenance	RT				4	5.0E-2	9.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT				11	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT				11	3.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Vision	RT				4	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT				19	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT				33	9.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	sensory transduction	RT				5	9.8E-1	1.0E0	
	Annotation Cluster 115	Enrichment Score: 0.34	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of progression through cell cycle	RT				17	8.2E-2	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT				58	5.7E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT					30	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT					29	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT					45	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT					22	7.2E-1	1.0E0
	Annotation Cluster 116	Enrichment Score: 0.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SAM	RT					6	1.2E-1	1.0E0
<input type="checkbox"/>	SMART	SAM	RT					8	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif SAM	RT					7	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif homology 2	RT					3	7.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif-type	RT					3	9.5E-1	1.0E0
	Annotation Cluster 117	Enrichment Score: 0.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell differentiation	RT					7	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of myeloid cell differentiation	RT					3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT					5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT					16	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT					8	5.6E-1	1.0E0
	Annotation Cluster 118	Enrichment Score: 0.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen	RT					6	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	dioxygenase activity	RT					6	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen	RT					6	4.9E-1	1.0E0
	Annotation Cluster 119	Enrichment Score: 0.31	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT					11	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT					17	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT					15	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT					15	5.3E-1	1.0E0
	Annotation Cluster 120	Enrichment Score: 0.31	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Kazal-like	RT					3	3.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Proteinase inhibitor I1, Kazal	RT					4	5.3E-1	1.0E0
<input type="checkbox"/>	SMART	KAZAL	RT					4	6.7E-1	1.0E0
	Annotation Cluster 121	Enrichment Score: 0.3	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube formation	RT					6	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate morphogenesis	RT					6	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate development	RT					6	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic epithelial tube formation	RT					6	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT					15	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube development	RT					6	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of embryonic epithelium	RT					6	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT					17	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of an epithelium	RT					10	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT					10	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube closure	RT					3	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	primary neural tube formation	RT					3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT					33	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT					16	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT					16	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT					13	8.4E-1	1.0E0

Annotation Cluster 122		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 1	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 2	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:RRM 3	RT		3	5.2E-1	1.0E0
Annotation Cluster 123		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		15	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		15	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		15	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		15	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		15	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2	RT		5	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT		21	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT		16	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin thiolesterase activity	RT		5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		18	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		21	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT		29	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT		35	9.9E-1	1.0E0
Annotation Cluster 124		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Plexin/semaphorin/integrin	RT		6	2.9E-1	1.0E0
<input type="checkbox"/>	SMART	PSI	RT		6	4.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Plexin	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Sema	RT		3	5.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Semaphorin/CD100 antigen	RT		3	7.3E-1	1.0E0
<input type="checkbox"/>	SMART	Sema	RT		3	8.1E-1	1.0E0
Annotation Cluster 125		Enrichment Score: 0.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on heme group of donors, oxygen as acceptor	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heme-copper terminal oxidase activity	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on heme group of donors	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cytochrome-c oxidase activity	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transmembrane transporter activity	RT		6	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monovalent inorganic cation transmembrane transporter activity	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		7	9.8E-1	1.0E0
Annotation Cluster 126		Enrichment Score: 0.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Regulation of hematopoiesis by cytokines	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoclast differentiation	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Cytokines and Inflammatory Response	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte differentiation	RT		5	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid leukocyte differentiation	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	osteoclast differentiation	RT		3	6.0E-1	1.0E0
Annotation Cluster 127		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine binding	RT		9	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Chemokine receptor	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	C-C chemokine receptor activity	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	C-C chemokine binding	RT		3	4.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor activity	RT		3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine binding	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide binding	RT		9	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide receptor activity	RT		6	9.5E-1	1.0E0
Annotation Cluster 128		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT		12	1.8E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoprotein phosphatase activity	RT		15	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid dephosphorylation	RT		11	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT		24	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, receptor/non-receptor type	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific phosphatase	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT		48	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	dephosphorylation	RT		11	6.7E-1	1.0E0
<input type="checkbox"/>	SMART	PTPc	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT		18	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphoric monoester hydrolase	RT		4	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT		7	7.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, Tyr-specific/dual-specificity type	RT		6	7.5E-1	1.0E0
Annotation Cluster 129		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:J	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Heat shock protein DnaJ, N-terminal	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heat shock protein binding	RT		6	4.6E-1	1.0E0
<input type="checkbox"/>	SMART	DnaJ	RT		5	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	chaperone	RT		7	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein folding	RT		11	9.7E-1	1.0E0
Annotation Cluster 130		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	spermatid development	RT		5	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	spermatid differentiation	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT		22	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT		25	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		36	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT		15	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT		15	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	spermatogenesis	RT		5	8.7E-1	1.0E0
Annotation Cluster 131		Enrichment Score: 0.25	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	deacetylase activity	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in linear amides	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds	RT		6	8.7E-1	1.0E0
Annotation Cluster 132		Enrichment Score: 0.24	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	histone methylation	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid methylation	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid alkylation	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT		5	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	one-carbon compound metabolic process	RT		7	7.4E-1	1.0E0
Annotation Cluster 133		Enrichment Score: 0.24	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of B cell proliferation	RT		3	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell proliferation	RT		4	2.7E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of B cell activation	RT		3	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell proliferation	RT		4	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT		10	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell proliferation	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT		8	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT		8	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT		6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT		6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell proliferation	RT		6	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of lymphocyte proliferation	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of mononuclear cell proliferation	RT		3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte proliferation	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell activation	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of mononuclear cell proliferation	RT		4	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of lymphocyte activation	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell proliferation	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell activation	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	external side of plasma membrane	RT		9	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte activation	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell activation	RT		4	9.6E-1	1.0E0
Annotation Cluster 134		Enrichment Score: 0.24	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorylation	RT		7	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorus metabolic process	RT		7	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphate metabolic process	RT		7	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amine metabolic process	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amino acid metabolic process	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein amino acid phosphorylation	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein amino acid phosphorylation	RT		6	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amine metabolic process	RT		6	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amino acid metabolic process	RT		6	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-tyrosine modification	RT		6	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-tyrosine phosphorylation	RT		6	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-amino acid modification	RT		10	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of peptidyl-tyrosine phosphorylation	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT		14	9.8E-1	1.0E0
Annotation Cluster 135		Enrichment Score: 0.24	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine production	RT		13	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT		16	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT		17	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	interleukin-2 biosynthetic process	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of translation	RT		6	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT		14	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	interleukin-2 production	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular biosynthetic	RT		6	4.9E-1	1.0E0

<input type="checkbox"/>		process	RT							
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine metabolic process	RT			7	5.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine biosynthetic process	RT			7	5.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein metabolic process	RT			8	6.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biosynthetic process	RT			6	6.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cytokine biosynthetic process	RT			4	7.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT			20	8.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytokine biosynthetic process	RT			5	8.1E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT			83	9.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT			42	9.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT			23	1.0E0	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT			54	1.0E0	1.0E0		
	Annotation Cluster 136	Enrichment Score: 0.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA splice site selection	RT			3	3.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT			6	4.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT			6	4.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT			6	4.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translational initiation	RT			3	5.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	spliceosome assembly	RT			3	6.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT			6	8.2E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT			3	9.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT			7	1.0E0	1.0E0		
	Annotation Cluster 137	Enrichment Score: 0.22	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	cell projection part	RT			8	2.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	neuron projection	RT			8	8.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_CC_ALL	dendrite	RT			3	9.2E-1	1.0E0		
	Annotation Cluster 138	Enrichment Score: 0.22	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ras-associating	RT			3	3.3E-1	1.0E0		
<input type="checkbox"/>	INTERPRO	Ras-association	RT			3	7.8E-1	1.0E0		
<input type="checkbox"/>	SMART	RA	RT			3	8.6E-1	1.0E0		
	Annotation Cluster 139	Enrichment Score: 0.21	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	mesenchymal cell development	RT			5	4.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	mesenchymal cell differentiation	RT			5	4.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	neural crest cell development	RT			3	7.8E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	neural crest cell differentiation	RT			3	7.8E-1	1.0E0		
	Annotation Cluster 140	Enrichment Score: 0.21	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic pattern specification	RT			6	3.6E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	patterning of blood vessels	RT			3	6.2E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT			5	7.7E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT			5	8.1E-1	1.0E0		
	Annotation Cluster 141	Enrichment Score: 0.21	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine binding	RT			9	3.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	interleukin receptor activity	RT			3	8.0E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	interleukin binding	RT			3	8.7E-1	1.0E0		
	Annotation Cluster 142	Enrichment Score: 0.2	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biosynthetic process	RT			5	4.3E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular biosynthetic process	RT			4	5.1E-1	1.0E0		

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of translation	RT					3	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT					4	9.7E-1	1.0E0	
	Annotation Cluster 143	Enrichment Score: 0.2	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome part	RT					7	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT					5	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome	RT					7	6.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromatin	RT					3	6.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	condensed nuclear chromosome	RT					3	7.7E-1	1.0E0	
	Annotation Cluster 144	Enrichment Score: 0.2	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PDZ	RT					6	5.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	PDZ/DHR/GLGF	RT					10	6.2E-1	1.0E0	
<input type="checkbox"/>	SMART	PDZ	RT					10	8.3E-1	1.0E0	
	Annotation Cluster 145	Enrichment Score: 0.19	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT					18	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT					49	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT					45	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT					27	9.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT					27	9.7E-1	1.0E0	
	Annotation Cluster 146	Enrichment Score: 0.19	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT					16	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT					8	5.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell differentiation	RT					8	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT					23	7.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of developmental process	RT					8	8.3E-1	1.0E0	
	Annotation Cluster 147	Enrichment Score: 0.18	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	neuromuscular junction development	RT					3	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	synapse organization and biogenesis	RT					4	7.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	extracellular structure organization and biogenesis	RT					8	7.9E-1	1.0E0	
	Annotation Cluster 148	Enrichment Score: 0.18	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis I	RT					4	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis	RT					8	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of meiotic cell cycle	RT					8	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic cell cycle	RT					8	4.2E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Meiosis	RT					3	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT					22	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT					18	7.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT					8	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT					17	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT					12	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT					12	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT					13	9.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT					9	9.8E-1	1.0E0	
	Annotation Cluster 149	Enrichment Score: 0.18	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation	RT					9	2.6E-1	1.0E0	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001990:class I histocompatibility antigen	RT					3	5.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	MHC class I-like antigen recognition	RT					4	5.5E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Type I diabetes mellitus	RT					5	6.6E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	MHC protein complex	RT					3	8.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Immunoglobulin/major histocompatibility	RT					5	9.7E-1	1.0E0	

<input type="checkbox"/>		complex motif	RT						
<input type="checkbox"/>	INTERPRO	Immunoglobulin C1-set	RT					4	8.9E-1 1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Cell adhesion molecules (CAMs)	RT					8	9.0E-1 1.0E0
<input type="checkbox"/>	SMART	IGc1	RT					4	9.4E-1 1.0E0
	Annotation Cluster 150	Enrichment Score: 0.17	G					Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid lipidation	RT					5	5.8E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein biosynthetic process	RT					5	6.3E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein metabolic process	RT					5	8.4E-1 1.0E0
	Annotation Cluster 151	Enrichment Score: 0.17	G					Count	P_Value Benjamini
<input type="checkbox"/>	INTERPRO	Guanylate kinase/L-type calcium channel region	RT					3	5.6E-1 1.0E0
<input type="checkbox"/>	SMART	GuKc	RT					3	6.4E-1 1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT					7	8.6E-1 1.0E0
	Annotation Cluster 152	Enrichment Score: 0.17	G					Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	exopeptidase activity	RT					9	5.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxypeptidase A activity	RT					3	6.5E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metalloexopeptidase activity	RT					5	6.7E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metallocarboxypeptidase activity	RT					3	7.2E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxypeptidase activity	RT					3	8.8E-1 1.0E0
	Annotation Cluster 153	Enrichment Score: 0.17	G					Count	P_Value Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Endonuclease	RT					6	3.4E-1 9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 5'-phosphomonoesters	RT					3	5.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters	RT					3	5.9E-1 1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclease	RT					6	6.9E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity	RT					6	8.2E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity	RT					3	8.5E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nuclease activity	RT					9	8.9E-1 1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease activity	RT					3	9.6E-1 1.0E0
	Annotation Cluster 154	Enrichment Score: 0.16	G					Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT					34	2.5E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation homeostasis	RT					11	5.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT					21	5.5E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular iron ion homeostasis	RT					3	5.8E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion homeostasis	RT					3	5.8E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular cation homeostasis	RT					10	6.2E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation homeostasis	RT					9	6.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular di-, tri-valent inorganic cation homeostasis	RT					8	7.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT					12	8.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT					12	8.4E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT					13	8.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT					15	9.1E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metal ion homeostasis	RT					4	9.5E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion homeostasis	RT					4	9.6E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular calcium ion homeostasis	RT					3	9.8E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion homeostasis	RT					3	9.8E-1 1.0E0
	Annotation Cluster 155	Enrichment Score: 0.15	G					Count	P_Value Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic appendage morphogenesis	RT					6	6.3E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic limb morphogenesis	RT					6	6.3E-1 1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	appendage morphogenesis	RT					6	6.9E-1 1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_BP_ALL	limb morphogenesis	RT			6	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	limb development	RT			6	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	appendage development	RT			6	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT			13	8.4E-1	1.0E0	
	Annotation Cluster 156	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Src homology-3	RT			15	5.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT			15	6.1E-1	1.0E0	
<input type="checkbox"/>	SMART	SH3	RT			15	8.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT			7	8.6E-1	1.0E0	
	Annotation Cluster 157	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:2	RT			7	5.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:1	RT			7	5.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Calcium-binding EF-hand	RT			15	5.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	EF-Hand type	RT			12	7.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 1	RT			7	8.0E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 2	RT			7	8.1E-1	1.0E0	
<input type="checkbox"/>	SMART	EFh	RT			15	8.3E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 3	RT			3	9.4E-1	1.0E0	
	Annotation Cluster 158	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminotransferase	RT			3	5.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transaminase activity	RT			3	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring nitrogenous groups	RT			3	8.3E-1	1.0E0	
	Annotation Cluster 159	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of blood pressure	RT			5	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of blood vessel size	RT			4	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of tube size	RT			4	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	vascular process in circulatory system	RT			4	7.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood circulation	RT			9	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	circulatory system process	RT			9	7.4E-1	1.0E0	
	Annotation Cluster 160	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Iron transport	RT			3	4.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion transport	RT			3	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT			4	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT			8	9.5E-1	1.0E0	
	Annotation Cluster 161	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000050:cytochrome P450 CYP4B1	RT			3	1.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Cytochrome P450	RT			6	6.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Cytochrome P450, E-class, group I	RT			5	7.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	monooxygenase	RT			7	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	monooxygenase activity	RT			7	9.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Iron (heme axial ligand)	RT			4	9.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	heme binding	RT			9	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	tetrapyrrole binding	RT			9	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen	RT			7	9.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT			6	9.6E-1	1.0E0	
	Annotation Cluster 162	Enrichment Score: 0.15	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin production	RT			4	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	production of molecular mediator of immune response	RT			4	6.6E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	somatic recombination of immunoglobulin gene segments	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic cell DNA recombination	RT		3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors via germline recombination within a single locus	RT		3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immunoglobulins	RT		3	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA recombination	RT		6	8.1E-1	1.0E0
	Annotation Cluster 163	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to plasma membrane	RT		5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extrinsic to membrane	RT		6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	heterotrimeric G-protein complex	RT		3	7.9E-1	1.0E0
	Annotation Cluster 164	Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	K Homology	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	K Homology, type 1	RT		3	7.0E-1	1.0E0
<input type="checkbox"/>	SMART	KH	RT		3	7.8E-1	1.0E0
	Annotation Cluster 165	Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	Rab GTPase binding	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase binding	RT		4	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase binding	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase binding	RT		4	8.6E-1	1.0E0
	Annotation Cluster 166	Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm development	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm formation	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm morphogenesis	RT		3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gastrulation	RT		5	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	formation of primary germ layer	RT		3	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue morphogenesis	RT		3	9.9E-1	1.0E0
	Annotation Cluster 167	Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	damaged DNA binding	RT		3	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT		21	7.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT		9	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT		18	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT		14	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA damage	RT		9	8.5E-1	1.0E0
	Annotation Cluster 168	Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Fibronectin, type III-like fold	RT		14	5.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 3	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor protein tyrosine kinase activity	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III	RT		12	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	FN3	RT		13	8.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 2	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 1	RT		4	9.1E-1	1.0E0
	Annotation Cluster 169	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase	RT		10	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-protein kinase	RT		9	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor protein tyrosine kinase activity	RT		6	6.9E-1	1.0E0
<input type="checkbox"/>	SMART	TyrKc	RT		10	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase, active site	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific protein kinase	RT		3	8.9E-1	1.0E0

Annotation Cluster 170		Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		17	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		18	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		18	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		40	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT		14	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT		10	9.0E-1	1.0E0
Annotation Cluster 171		Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT		6	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT		6	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT		6	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	spliceosome	RT		10	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna splicing	RT		10	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		18	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT		12	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT		14	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	spliceosome	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna processing	RT		10	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		21	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		15	1.0E0	1.0E0
Annotation Cluster 172		Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	SNF2-related	RT		4	3.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	helicase	RT		9	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	helicase activity	RT		10	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helicase, superfamily 1 and 2, ATP-binding	RT		6	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	DEXDc	RT		8	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DEAD-like helicase, N-terminal	RT		6	8.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, C-terminal	RT		5	8.7E-1	1.0E0
<input type="checkbox"/>	SMART	HELICc	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase C-terminal	RT		3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP-dependent helicase activity	RT		6	9.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase ATP-binding	RT		3	9.1E-1	1.0E0
Annotation Cluster 173		Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT		10	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT		10	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		11	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	RT		8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response	RT		8	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT		24	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT		9	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alpha-beta T cell activation	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organismal process	RT		9	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	innate immune response	RT		7	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte mediated immunity	RT		7	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune system process	RT		7	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin mediated immune	RT		5	8.4E-1	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>		response	RT		5	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated immunity	RT		7	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell mediated immunity	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune response	RT		6	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	acute inflammatory response	RT		4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of immune response	RT		3	9.9E-1	1.0E0
	Annotation Cluster 174	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blood circulation	RT		9	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	circulatory system process	RT		9	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heart contraction	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heart process	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of heart contraction	RT		3	8.6E-1	1.0E0
	Annotation Cluster 175	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT		91	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT		109	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT		126	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT		126	8.8E-1	1.0E0
	Annotation Cluster 176	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell shape	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell morphogenesis	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of anatomical structure morphogenesis	RT		4	7.8E-1	1.0E0
	Annotation Cluster 177	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		22	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein homodimerization activity	RT		10	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT		16	9.6E-1	1.0E0
	Annotation Cluster 178	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol metabolic process	RT		6	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sterol metabolic process	RT		6	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	steroid metabolic process	RT		11	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		17	9.4E-1	1.0E0
	Annotation Cluster 179	Enrichment Score: 0.1	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	transit peptide:Mitochondrion	RT		19	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT		43	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transit peptide	RT		25	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrion	RT		60	9.2E-1	1.0E0
	Annotation Cluster 180	Enrichment Score: 0.1	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phagocytosis	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle-mediated transport	RT		31	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane invagination	RT		12	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT		12	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane organization and biogenesis	RT		16	9.3E-1	1.0E0
	Annotation Cluster 181	Enrichment Score: 0.1	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C2	RT		4	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C2 calcium-dependent membrane targeting	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	C2	RT		6	9.9E-1	1.0E0
	Annotation Cluster 182	Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum part	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum membrane	RT		7	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to endoplasmic reticulum membrane	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope-endoplasmic reticulum	RT		7	8.3E-1	1.0E0

					Count	P_Value	Benjamini
<input type="checkbox"/>	network		G		7	6.5E-1	1.0E0
Annotation Cluster 183 Enrichment Score: 0.09							
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-carbon lyase activity	RT		4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxy-lyase activity	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lyase activity	RT		7	9.9E-1	1.0E0
Annotation Cluster 184 Enrichment Score: 0.09							
<input type="checkbox"/>	INTERPRO	SH2 motif	RT		8	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sh2 domain	RT		8	7.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH2	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	SMART	SH2	RT		8	8.7E-1	1.0E0
Annotation Cluster 185 Enrichment Score: 0.09							
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:HMG box	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG1/HMG2	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	SMART	HMG	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG	RT		3	8.9E-1	1.0E0
Annotation Cluster 186 Enrichment Score: 0.09							
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of I-kappaB kinase/NF-kappaB cascade	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of I-kappaB kinase/NF-kappaB cascade	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of signal transduction	RT		7	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	I-kappaB kinase/NF-kappaB cascade	RT		4	9.0E-1	1.0E0
Annotation Cluster 187 Enrichment Score: 0.09							
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT		42	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT		42	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT		51	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT		21	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT		21	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT		21	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT		15	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axon guidance	RT		6	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT		14	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT		16	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron morphogenesis during differentiation	RT		11	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite morphogenesis	RT		11	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axonogenesis	RT		10	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT		19	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT		23	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT		20	9.7E-1	1.0E0
Annotation Cluster 188 Enrichment Score: 0.09							
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT		31	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity	RT		64	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	oxidoreductase	RT		32	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT		33	9.5E-1	1.0E0
Annotation Cluster 189 Enrichment Score: 0.09							
<input type="checkbox"/>	GOTERM_MF_ALL	FAD binding	RT		5	7.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	fad	RT		7	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	flavoprotein	RT		7	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	coenzyme binding	RT		8	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cofactor binding	RT		11	9.2E-1	1.0E0

Annotation Cluster 190		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity, G-protein coupled	RT		7	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity	RT		7	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT		22	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	g-protein coupled receptor	RT		18	9.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Neuroactive ligand-receptor interaction	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Rhodopsin-like GPCR superfamily	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	rhodopsin-like receptor activity	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein coupled receptor activity	RT		21	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor activity	RT		41	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein coupled receptor protein signaling pathway	RT		31	1.0E0	1.0E0
Annotation Cluster 191		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Sushi/SCR/CCP	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	CCP	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sushi	RT		3	8.6E-1	1.0E0
Annotation Cluster 192		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		9	5.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Basic helix-loop-helix dimerisation region bHLH	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	HLH	RT		7	9.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helix-loop-helix motif	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-loop-helix DNA-binding	RT		4	9.5E-1	1.0E0
Annotation Cluster 193		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid biosynthetic process	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	fatty acid biosynthesis	RT		3	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid biosynthetic process	RT		5	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid biosynthetic process	RT		5	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid synthesis	RT		4	9.5E-1	1.0E0
Annotation Cluster 194		Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		18	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT		9	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		4	9.9E-1	1.0E0
Annotation Cluster 195		Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Laminin G, subdomain 2	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Laminin G	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	SMART	LamG	RT		3	9.0E-1	1.0E0
Annotation Cluster 196		Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	antioxidant activity	RT		4	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on peroxide as acceptor	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peroxidase activity	RT		3	8.7E-1	1.0E0
Annotation Cluster 197		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Calmodulin-binding	RT		3	8.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calmodulin-binding	RT		6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin binding	RT		7	9.0E-1	1.0E0
Annotation Cluster 198		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	hormone biosynthetic process	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	steroid biosynthetic process	RT		5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hormone metabolic process	RT		5	9.3E-1	1.0E0
Annotation Cluster 199		Enrichment Score: 0.05	G		Count	P_Value	Benjamini

<input type="checkbox"/>	Category	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	synaptic vesicle	RT		5	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT		22	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoplasmic vesicle	RT		8	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT		20	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT		14	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin-coated vesicle	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT		12	9.8E-1	1.0E0
Annotation Cluster 200		Enrichment Score: 0.05		G			
<input type="checkbox"/>	GOTERM_BP_ALL	pyruvate metabolic process	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		7	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		17	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		12	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		17	1.0E0	1.0E0
Annotation Cluster 201		Enrichment Score: 0.05		G			
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT		18	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT		32	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT		49	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT		56	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT		57	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT		50	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT		43	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT		18	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT		48	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT		48	1.0E0	1.0E0
Annotation Cluster 202		Enrichment Score: 0.05		G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	microsome	RT		6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular fraction	RT		10	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT		9	9.2E-1	1.0E0
Annotation Cluster 203		Enrichment Score: 0.05		G			
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 4	RT		6	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	leucine-rich repeat	RT		14	8.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 3	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 1	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 2	RT		6	8.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 9	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 8	RT		3	9.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 5	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 7	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 6	RT		3	9.7E-1	1.0E0
Annotation Cluster 204		Enrichment Score: 0.05		G			
<input type="checkbox"/>	GOTERM_CC_ALL	kinesin complex	RT		3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	microtubule motor activity	RT		5	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	motor activity	RT		8	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule associated complex	RT		5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT		4	9.9E-1	1.0E0

<input type="checkbox"/>	SP_PIR_KEYWORDS	motor protein	RT			3	9.9E-1	1.0E0
	Annotation Cluster 205	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	translation elongation factor activity	RT			3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation factor activity, nucleic acid binding	RT			7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation regulator activity	RT			7	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	initiation factor	RT			3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	translation initiation factor activity	RT			3	9.9E-1	1.0E0
	Annotation Cluster 206	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	basal lamina	RT			3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basement membrane	RT			4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix part	RT			5	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT			12	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT			10	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT			4	1.0E0	1.0E0
	Annotation Cluster 207	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 3	RT			4	6.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 2	RT			4	7.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 1	RT			4	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like	RT			6	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	egf-like domain	RT			9	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF	RT			8	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Aspartic acid and asparagine hydroxylation site	RT			3	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like, type 3	RT			7	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	EGF	RT			8	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like region	RT			9	1.0E0	1.0E0
	Annotation Cluster 208	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Leucine-rich repeat	RT			13	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	leucine-rich repeat	RT			14	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Leucine-rich repeat, typical subtype	RT			5	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	LRR_TYP	RT			5	9.9E-1	1.0E0
	Annotation Cluster 209	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of muscle contraction	RT			3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle contraction	RT			4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle system process	RT			4	9.8E-1	1.0E0
	Annotation Cluster 210	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	intercellular junction	RT			10	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	tight junction	RT			4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	apical junction complex	RT			4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	apicolateral plasma membrane	RT			4	9.7E-1	1.0E0
	Annotation Cluster 211	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	second-messenger-mediated signaling	RT			10	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cAMP-mediated signaling	RT			4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cyclic-nucleotide-mediated signaling	RT			4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein signaling, coupled to cAMP nucleotide second messenger	RT			3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein signaling, coupled to cyclic nucleotide second messenger	RT			3	9.7E-1	1.0E0
	Annotation Cluster 212	Enrichment Score: 0.04	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic anion transmembrane transporter activity	RT			3	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion transmembrane transporter activity	RT			6	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chloride transport	RT			3	9.6E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	inorganic anion transport	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anion transport	RT					7	1.0E0	1.0E0
	Annotation Cluster 213	Enrichment Score: 0.04	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	eye development	RT					7	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	camera-type eye development	RT					4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT					9	9.8E-1	1.0E0
	Annotation Cluster 214	Enrichment Score: 0.04	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	site:Reactive bond	RT					3	6.8E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001630:serpin	RT					3	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protease inhibitor I4, serpin	RT					3	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine protease inhibitor	RT					3	9.5E-1	1.0E0
<input type="checkbox"/>	SMART	SERPIN	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase inhibitor activity	RT					5	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease inhibitor	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase inhibitor activity	RT					6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protease inhibitor activity	RT					6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme inhibitor activity	RT					8	1.0E0	1.0E0
	Annotation Cluster 215	Enrichment Score: 0.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT					30	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT					39	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT					41	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT					46	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT					65	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT					49	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT					49	9.9E-1	1.0E0
	Annotation Cluster 216	Enrichment Score: 0.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	EGF-like, laminin	RT					3	8.5E-1	1.0E0
<input type="checkbox"/>	SMART	EGF Lam	RT					3	9.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like region	RT					9	1.0E0	1.0E0
	Annotation Cluster 217	Enrichment Score: 0.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT					34	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to wounding	RT					18	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response	RT					12	9.8E-1	1.0E0
	Annotation Cluster 218	Enrichment Score: 0.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	synapse part	RT					8	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synapse	RT					14	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell junction	RT					23	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	postsynaptic membrane	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Postsynaptic cell membrane	RT					4	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	synapse	RT					7	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell junction	RT					13	9.9E-1	1.0E0
	Annotation Cluster 219	Enrichment Score: 0.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT					44	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT					16	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT					17	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT					14	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT					14	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT					18	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT					22	9.9E-1	1.0E0

<input type="checkbox"/>												
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT							22	9.9E-1	1.0E0
	Annotation Cluster 220	Enrichment Score: 0.03	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipase activity	RT							3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lipase activity	RT							4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid catabolic process	RT							6	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxylesterase activity	RT							5	9.8E-1	1.0E0
	Annotation Cluster 221	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT							5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT							4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT							4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT							4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT							4	1.0E0	1.0E0
	Annotation Cluster 222	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT							11	8.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 2	RT							5	8.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 1	RT							5	8.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT							24	9.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT							8	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT							19	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT							9	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT							18	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin I-set	RT							4	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT							9	1.0E0	1.0E0
<input type="checkbox"/>	SMART	IG	RT							11	1.0E0	1.0E0
	Annotation Cluster 223	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT							13	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT							19	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT							10	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	microtubule	RT							7	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT							47	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT							25	1.0E0	1.0E0
	Annotation Cluster 224	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:5	RT							3	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:3	RT							4	9.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1	RT							5	9.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2	RT							5	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:4	RT							3	9.7E-1	1.0E0
	Annotation Cluster 225	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT							8	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium transport	RT							3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion transport	RT							5	9.8E-1	1.0E0
	Annotation Cluster 226	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT							19	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT							15	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT							33	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT							11	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT							42	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT							16	1.0E0	1.0E0
	Annotation Cluster 227	Enrichment Score: 0.02	G							Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	wound healing	RT							5	9.5E-1	1.0E0

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	blood coagulation	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	coagulation	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	hemostasis	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of body fluid levels	RT					3	9.9E-1	1.0E0	
	Annotation Cluster 228	Enrichment Score: 0.02	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT					56	8.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT					57	9.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT					61	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT					63	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT					141	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT					168	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT					143	1.0E0	1.0E0	
	Annotation Cluster 229	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	ATP metabolic process	RT					3	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide metabolic process	RT					4	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolic process	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT					12	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT					3	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate metabolic process	RT					3	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT					11	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide metabolic process	RT					4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide metabolic process	RT					4	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide biosynthetic process	RT					3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate metabolic process	RT					3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide biosynthetic process	RT					3	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide biosynthetic process	RT					3	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide biosynthetic process	RT					5	1.0E0	1.0E0	
	Annotation Cluster 230	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT					5	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT					11	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT					16	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT					12	1.0E0	1.0E0	
	Annotation Cluster 231	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT					15	9.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT					8	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT					21	9.8E-1	1.0E0	
	Annotation Cluster 232	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT					10	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT					16	9.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT					7	9.8E-1	1.0E0	
	Annotation Cluster 233	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	neurotransmitter secretion	RT					3	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulated secretory pathway	RT					3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	generation of a signal involved in cell-cell signaling	RT					4	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of neurotransmitter levels	RT					4	9.9E-1	1.0E0	
	Annotation Cluster 234	Enrichment Score: 0.01	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	inner ear development	RT					3	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of sound	RT					3	9.8E-1	1.0E0	

<input type="checkbox"/>	Annotation	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT		9	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ear development	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of mechanical stimulus	RT		3	9.9E-1	1.0E0
Annotation Cluster 235		Enrichment Score: 0.01	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT		19	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT		14	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT		23	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT		20	9.9E-1	1.0E0
Annotation Cluster 236		Enrichment Score: 0.01	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	sodium transport	RT		4	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sodium ion transport	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sodium	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sodium ion binding	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium transport	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	potassium ion transport	RT		6	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	potassium ion binding	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	alkali metal ion binding	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		11	1.0E0	1.0E0
Annotation Cluster 237		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT		3	1.0E0	1.0E0
Annotation Cluster 238		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Homeobox	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Homeobox	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-turn-helix motif, lambda-like repressor	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Homeobox	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	SMART	HOX	RT		9	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Homeodomain-related	RT		6	1.0E0	1.0E0
Annotation Cluster 239		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT		78	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT		32	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT		33	9.9E-1	1.0E0
Annotation Cluster 240		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT		7	9.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C-type lectin	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	SMART	CLECT	RT		3	1.0E0	1.0E0
Annotation Cluster 241		Enrichment Score: 0	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sodium ion transport	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT		18	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT		21	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT		48	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT		16	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT		32	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT		17	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT		39	1.0E0	1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT				24	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT				63	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT				25	1.0E0	1.0E0
	Annotation Cluster 242	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT				65	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT				156	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT				154	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	macromolecular complex	RT				119	1.0E0	1.0E0
	Annotation Cluster 243	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	calcium channel activity	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion transport	RT				5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated cation channel activity	RT				4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated ion channel activity	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated channel activity	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	voltage-gated channel	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT				7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	gated channel activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation channel activity	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ionic channel	RT				4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion channel activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate specific channel activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT				6	1.0E0	1.0E0
	Annotation Cluster 244	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT				103	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT				219	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT				281	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT				74	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT				275	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT				132	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT				314	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT				276	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT				126	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT				86	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT				105	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT				388	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT				161	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT				130	1.0E0	1.0E0
	Annotation Cluster 245	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT				3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT				6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT				5	1.0E0	1.0E0
<input type="checkbox"/>	SMART	Tryp_SPC	RT				3	1.0E0	1.0E0
	Annotation Cluster 246	Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT				105	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Secreted	RT				55	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT				130	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT				96	1.0E0	1.0E0

<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT		102	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		110	1.0E0	1.0E0

560 terms were not clustered.

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Current Gene List: **wsp down <.5**

1948 DAVID IDs

Options Classification Stringency Medium

Rerun using options

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Annotation Cluster 1		Enrichment Score: 5.75		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT			173	9.0E-12	7.8E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT			192	5.7E-8	2.5E-5
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT			268	4.4E-7	1.2E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT			245	5.9E-7	1.7E-4
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT			221	8.2E-7	1.1E-3
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT			357	7.0E-4	2.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT			362	1.1E-3	3.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT			330	1.1E-3	3.1E-1
Annotation Cluster 2		Enrichment Score: 4.51		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT			106	1.6E-7	1.4E-4
<input type="checkbox"/>	GOTERM_BP_ALL	immune response	RT			66	3.8E-5	9.3E-3
<input type="checkbox"/>	GOTERM_BP_ALL	response to stimulus	RT			185	4.9E-3	3.3E-1
Annotation Cluster 3		Enrichment Score: 3.95		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT			25	3.7E-5	8.0E-3
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT			36	4.7E-5	3.6E-2
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT			31	3.1E-4	7.6E-2
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT			31	3.1E-4	7.6E-2
Annotation Cluster 4		Enrichment Score: 3.46		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT			49	6.1E-8	7.9E-5
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT			49	1.5E-7	1.5E-4
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT			36	4.2E-6	2.2E-3
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT			52	1.7E-5	6.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT			20	1.3E-3	1.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT			75	3.0E-3	2.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin	RT			25	4.7E-3	4.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT			18	5.6E-3	2.3E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT			35	2.1E-2	6.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT			39	2.2E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organelle organization and biogenesis	RT			102	3.1E-1	9.8E-1
Annotation Cluster 5		Enrichment Score: 3.35		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT			131	1.7E-7	1.3E-4
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT			135	9.8E-7	6.3E-4
<input type="checkbox"/>	GOTERM_MF_ALL	transcription repressor activity	RT			32	7.5E-5	6.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT			41	1.5E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT			32	2.9E-3	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT			42	3.0E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT			46	5.9E-3	3.5E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT		49	1.3E-2	4.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT		20	6.0E-2	8.0E-1
Annotation Cluster 6		Enrichment Score: 3.33	G				
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT		411	1.8E-10	9.4E-7
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT		469	1.7E-8	4.3E-5
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT		431	5.2E-8	9.0E-5
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		452	9.2E-6	4.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		244	3.4E-5	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT		263	3.5E-5	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT		238	6.9E-5	1.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT		227	9.8E-5	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT		269	1.0E-4	1.8E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT		250	1.2E-4	2.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT		243	1.2E-4	2.0E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT		145	1.4E-4	2.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT		228	1.5E-4	2.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT		228	1.7E-4	2.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT		146	2.3E-4	2.4E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-binding	RT		136	4.9E-3	2.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT		627	6.1E-3	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT		549	9.9E-3	4.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT		195	1.0E-2	7.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT		368	1.9E-2	6.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT		291	2.1E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		312	2.9E-2	6.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT		128	3.3E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT		243	4.6E-2	7.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT		287	4.9E-2	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sequence-specific DNA binding	RT		49	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT		272	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT		84	2.9E-1	1.0E0
Annotation Cluster 7		Enrichment Score: 3.06	G				
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT		92	2.1E-5	7.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT		95	3.5E-5	9.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT		95	3.5E-5	9.1E-3
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT		92	4.1E-5	9.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		66	5.8E-5	1.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		66	9.0E-5	1.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT		37	2.7E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT		134	3.4E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		29	5.8E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		29	7.6E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		186	1.1E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		186	1.1E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT		17	1.8E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		282	3.3E-2	6.8E-1
Annotation Cluster 8		Enrichment Score: 2.96	G				

<input type="checkbox"/>	GO TERM	RT	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL taxis	RT	25	2.7E-5	8.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL chemotaxis	RT	25	2.7E-5	8.7E-3
<input type="checkbox"/>	GOTERM_BP_ALL response to chemical stimulus	RT	53	2.4E-3	2.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL locomotory behavior	RT	31	3.8E-3	2.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL response to external stimulus	RT	60	5.6E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL behavior	RT	38	4.5E-2	7.4E-1
Annotation Cluster 9			Enrichment Score: 2.95	G	
<input type="checkbox"/>	GOTERM_BP_ALL protein modification process	RT	188	2.6E-6	1.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL biopolymer modification	RT	192	6.4E-6	3.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL post-translational protein modification	RT	160	5.5E-5	1.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL cellular metabolic process	RT	638	5.8E-4	7.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL primary metabolic process	RT	627	6.1E-3	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL macromolecule metabolic process	RT	549	9.9E-3	4.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL cellular macromolecule metabolic process	RT	284	3.3E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL cellular protein metabolic process	RT	279	4.0E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL protein metabolic process	RT	288	6.5E-2	8.2E-1
Annotation Cluster 10			Enrichment Score: 2.66	G	
<input type="checkbox"/>	GOTERM_BP_ALL signal transduction	RT	276	4.5E-5	1.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL cell communication	RT	291	4.8E-4	6.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL intracellular signaling cascade	RT	127	8.3E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL cell surface receptor linked signal transduction	RT	128	1.2E-1	9.1E-1
Annotation Cluster 11			Enrichment Score: 2.61	G	
<input type="checkbox"/>	GOTERM_BP_ALL regulation of apoptosis	RT	66	5.8E-5	1.2E-2
<input type="checkbox"/>	GOTERM_BP_ALL regulation of programmed cell death	RT	66	9.0E-5	1.7E-2
<input type="checkbox"/>	GOTERM_BP_ALL induction of programmed cell death	RT	24	1.4E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL induction of apoptosis	RT	24	1.4E-2	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL positive regulation of apoptosis	RT	29	1.4E-2	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL positive regulation of programmed cell death	RT	29	1.7E-2	5.4E-1
Annotation Cluster 12			Enrichment Score: 2.27	G	
<input type="checkbox"/>	GOTERM_BP_ALL biopolymer metabolic process	RT	452	9.2E-6	4.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL cellular process	RT	945	1.0E-4	1.8E-2
<input type="checkbox"/>	GOTERM_CC_ALL intracellular	RT	805	2.6E-4	9.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL cellular metabolic process	RT	638	5.8E-4	7.6E-2
<input type="checkbox"/>	GOTERM_CC_ALL cell part	RT	1060	3.0E-3	3.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL cell	RT	1060	3.0E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL primary metabolic process	RT	627	6.1E-3	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL metabolic process	RT	690	6.3E-3	3.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL intracellular part	RT	751	8.5E-3	4.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL macromolecule metabolic process	RT	549	9.9E-3	4.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL nucleus	RT	368	1.9E-2	6.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL intracellular membrane-bound organelle	RT	565	1.9E-2	6.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL cytoplasm	RT	494	2.0E-2	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL membrane-bound organelle	RT	565	2.1E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	312	2.9E-2	6.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL intracellular organelle	RT	604	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL organelle	RT	604	3.8E-1	1.0E0
Annotation Cluster 13			Enrichment Score: 2.15	G	
<input type="checkbox"/>	GOTERM_BP_ALL positive regulation of cellular process	RT	109	4.3E-4	6.0E-2
<input type="checkbox"/>	GOTERM_BP_ALL regulation of transcription from RNA	RT	56	1.5E-2	1.7E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>		polymerase II promoter	RT		50	1.5E-3	1.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT		61	1.7E-3	1.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT		56	3.5E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT		112	1.0E-2	4.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT		44	1.2E-2	4.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT		56	1.2E-2	4.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		44	1.6E-2	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT		36	2.9E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT		26	1.3E-1	9.1E-1
Annotation Cluster 14		Enrichment Score: 2.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Modulating	RT		7	7.5E-4	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Hinge	RT		8	1.1E-3	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-dependent nuclear receptor activity	RT		15	1.2E-3	3.0E-1
<input type="checkbox"/>	INTERPRO	Steroid hormone receptor	RT		12	1.7E-3	9.9E-1
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding, core	RT		12	1.7E-3	9.9E-1
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding	RT		12	2.1E-3	9.5E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, nuclear hormone receptor-type	RT		11	3.5E-3	8.9E-1
<input type="checkbox"/>	SMART	HOLI	RT		12	3.8E-3	6.8E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, NHR/GATA-type	RT		10	4.9E-3	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Steroid-binding	RT		4	6.0E-3	1.0E0
<input type="checkbox"/>	SMART	ZnF_C4	RT		11	7.0E-3	5.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor activity	RT		13	7.4E-3	7.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Nuclear receptor	RT		9	1.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:NR C4-type	RT		9	1.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	steroid binding	RT		10	5.7E-2	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Steroid-binding	RT		4	1.5E-1	8.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Ligand-binding	RT		4	3.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Lipid-binding	RT		8	5.6E-1	1.0E0
Annotation Cluster 15		Enrichment Score: 2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		41	1.7E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT		39	1.8E-3	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		19	7.8E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT		33	1.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT		16	3.4E-1	9.8E-1
Annotation Cluster 16		Enrichment Score: 1.97	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT		128	4.8E-3	2.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT		154	9.2E-3	7.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT		175	1.7E-2	8.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT		175	1.7E-2	8.3E-1
Annotation Cluster 17		Enrichment Score: 1.96	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002050:histone H2B	RT		6	2.8E-5	8.4E-2
<input type="checkbox"/>	INTERPRO	Histone H2B	RT		6	2.1E-4	7.0E-1
<input type="checkbox"/>	SMART	H2B	RT		6	3.3E-4	1.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly or disassembly	RT		20	1.3E-3	1.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromatin	RT		25	4.7E-3	4.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	nucleosome	RT		11	4.8E-3	3.7E-1

<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromosomal protein	RT		18	6.8E-3	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin assembly	RT		14	7.1E-3	3.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleosome assembly	RT		12	8.5E-3	4.0E-1
<input type="checkbox"/>	INTERPRO	Histone core	RT		7	1.7E-2	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Nucleosome core	RT		8	1.8E-2	4.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT		35	2.1E-2	6.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT		39	2.2E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein-DNA complex assembly	RT		13	9.6E-2	8.8E-1
<input type="checkbox"/>	INTERPRO	Histone-fold	RT		6	2.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Methylation	RT		17	3.0E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		38	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		31	5.3E-1	1.0E0
Annotation Cluster 18		Enrichment Score: 1.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, ZZ-type	RT		6	6.7E-3	9.6E-1
<input type="checkbox"/>	SMART	ZnF_ZZ	RT		6	1.0E-2	5.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:ZZ-type	RT		4	2.7E-2	1.0E0
Annotation Cluster 19		Enrichment Score: 1.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transcription cofactor activity	RT		25	4.1E-3	5.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor binding	RT		33	1.1E-2	7.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT		28	3.6E-2	9.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription coactivator activity	RT		13	5.3E-2	9.6E-1
Annotation Cluster 20		Enrichment Score: 1.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT		35	2.3E-3	9.3E-1
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT		28	2.6E-2	1.0E0
<input type="checkbox"/>	SMART	PH	RT		29	8.2E-2	8.5E-1
Annotation Cluster 21		Enrichment Score: 1.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	transmembrane receptor protein serine/threonine kinase signaling pathway	RT		16	7.8E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transforming growth factor beta receptor signaling pathway	RT		10	2.9E-2	6.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	TGF-beta signaling pathway	RT		14	4.5E-2	5.3E-1
Annotation Cluster 22		Enrichment Score: 1.62	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	ZnF_A20	RT		4	1.4E-2	5.7E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, AN1-type	RT		4	1.7E-2	9.9E-1
<input type="checkbox"/>	SMART	ZnF_AN1	RT		4	2.2E-2	7.1E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, A20-type	RT		3	6.2E-2	1.0E0
Annotation Cluster 23		Enrichment Score: 1.62	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	KRAB box	RT		31	2.5E-3	9.1E-1
<input type="checkbox"/>	SMART	KRAB	RT		32	9.7E-3	6.3E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-subtype	RT		27	1.5E-2	9.9E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		54	2.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT		35	4.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		40	9.0E-2	1.0E0
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		46	1.1E-1	8.5E-1
Annotation Cluster 24		Enrichment Score: 1.56	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte chemotaxis	RT		8	3.2E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte migration	RT		9	1.0E-2	4.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of chemotaxis	RT		5	1.1E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of chemotaxis	RT		5	1.1E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of positive chemotaxis	RT		4	4.8E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of positive chemotaxis	RT		4	4.8E-2	7.6E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	induction of positive chemotaxis	RT		4	4.8E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive chemotaxis	RT		4	6.2E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	neutrophil chemotaxis	RT		3	3.4E-1	9.8E-1
Annotation Cluster 25		Enrichment Score: 1.53	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT		29	3.2E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		11	5.9E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		19	7.8E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of myeloid cell differentiation	RT		6	3.0E-2	6.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT		34	1.1E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell differentiation	RT		13	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of developmental process	RT		13	3.1E-1	9.8E-1
Annotation Cluster 26		Enrichment Score: 1.53	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT		188	2.6E-6	1.5E-3
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT		192	6.4E-6	3.0E-3
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT		160	5.5E-5	1.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT		147	1.4E-4	1.8E-2
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT		194	2.9E-4	1.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT		100	2.9E-3	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT		74	5.2E-3	3.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT		111	5.5E-3	6.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT		80	7.0E-3	2.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT		79	9.6E-3	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		80	1.5E-2	5.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT		56	1.7E-2	8.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT		66	2.6E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		91	2.8E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		91	2.8E-2	6.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT		54	4.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT		40	4.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT		30	7.4E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT		39	7.6E-2	7.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT		35	1.1E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT		38	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT		23	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT		39	1.9E-1	1.0E0
<input type="checkbox"/>	SMART	S TKc	RT		39	2.5E-1	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		54	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		118	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		111	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		83	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		109	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		141	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT		161	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		134	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		134	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		102	8.8E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 1.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal	RT		24	2.1E-2	2.1E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>		transduction	RT		47	2.7E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		56	3.8E-3	2.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT		29	5.0E-3	3.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		27	7.2E-3	3.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		22	1.0E-2	7.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras guanyl-nucleotide exchange factor activity	RT		14	1.9E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT		47	2.7E-2	6.4E-1
<input type="checkbox"/>	INTERPRO	Guanine-nucleotide dissociation stimulator, CDC24	RT		8	2.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		40	3.0E-2	9.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Rho guanyl-nucleotide exchange factor activity	RT		12	3.2E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rho protein signal transduction	RT		12	5.1E-2	7.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		25	5.2E-2	9.6E-1
<input type="checkbox"/>	INTERPRO	Rho GTP exchange factor	RT		4	6.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	DH	RT		9	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Rho protein signal transduction	RT		13	1.4E-1	9.3E-1
<input type="checkbox"/>	SMART	RhoGEF	RT		9	1.7E-1	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme regulator activity	RT		66	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:DH	RT		5	2.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	guanine-nucleotide releasing factor	RT		9	2.9E-1	9.6E-1
	Annotation Cluster 28	Enrichment Score: 1.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT		60	5.6E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	defense response	RT		56	1.0E-2	4.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response	RT		28	6.4E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to wounding	RT		36	9.0E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT		79	2.2E-1	9.6E-1
	Annotation Cluster 29	Enrichment Score: 1.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:RING-type	RT		18	1.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT		30	2.8E-2	1.0E0
<input type="checkbox"/>	SMART	RING	RT		31	1.1E-1	8.6E-1
	Annotation Cluster 30	Enrichment Score: 1.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	AT-rich interaction region	RT		6	3.3E-3	9.1E-1
<input type="checkbox"/>	SMART	BRIGHT	RT		6	5.1E-3	5.4E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji	RT		4	7.7E-2	1.0E0
<input type="checkbox"/>	SMART	JmjC	RT		5	8.4E-2	8.5E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji, JmjN	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	SMART	JmjN	RT		3	1.0E-1	8.8E-1
<input type="checkbox"/>	INTERPRO	Transcription factor jumonji/aspartyl beta-hydroxylase	RT		4	1.5E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 1.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, CCCH-type	RT		10	1.3E-2	9.9E-1
<input type="checkbox"/>	SMART	ZnF_C3H1	RT		10	3.0E-2	7.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C3H1-type 1	RT		4	8.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C3H1-type 2	RT		4	8.2E-2	1.0E0
	Annotation Cluster 32	Enrichment Score: 1.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell adhesion	RT		6	1.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell adhesion	RT		10	7.6E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell-cell adhesion	RT		4	7.8E-2	8.5E-1
	Annotation Cluster 33	Enrichment Score: 1.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of progression	RT		25	7.6E-1	9.5E-1

					Count	P_Value	Benjamini
<input type="checkbox"/>		through cell cycle	RT		23	7.0E-2	9.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT		45	2.2E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT		43	4.4E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT		54	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT		64	5.3E-1	1.0E0
	Annotation Cluster 34	Enrichment Score: 1.34	G				
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		24	1.3E-2	7.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		17	1.8E-2	4.4E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001182:papain	RT		5	2.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain C-terminal	RT		6	2.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase, cysteine peptidase active site	RT		9	4.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type endopeptidase activity	RT		15	4.2E-2	9.4E-1
<input type="checkbox"/>	SMART	Pept_C1	RT		6	5.1E-2	8.6E-1
<input type="checkbox"/>	INTERPRO	Proteinase inhibitor I29, cathepsin propeptide	RT		5	5.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain	RT		6	6.7E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT		35	8.6E-1	1.0E0
	Annotation Cluster 35	Enrichment Score: 1.34	G				
<input type="checkbox"/>	GOTERM_CC_ALL	lamellipodium	RT		12	8.0E-3	5.0E-1
<input type="checkbox"/>	GOTERM_CC_ALL	leading edge	RT		16	1.5E-2	6.5E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell projection	RT		29	8.4E-1	1.0E0
	Annotation Cluster 36	Enrichment Score: 1.33	G				
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002387:myelin proteolipid protein	RT		3	2.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Myelin proteolipid protein PLP	RT		3	6.2E-2	1.0E0
<input type="checkbox"/>	SMART	PLP	RT		3	7.4E-2	8.8E-1
	Annotation Cluster 37	Enrichment Score: 1.31	G				
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:BIR 3	RT		4	1.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:BIR 1	RT		4	1.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:BIR 2	RT		4	1.1E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Proteinase inhibitor I32, inhibitor of apoptosis	RT		4	3.6E-2	1.0E0
<input type="checkbox"/>	SMART	BIR	RT		4	4.6E-2	8.5E-1
<input type="checkbox"/>	BIOCARTA	Role of Mitochondria in Apoptotic Signaling	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Caspase Cascade in Apoptosis	RT		4	5.4E-1	1.0E0
	Annotation Cluster 38	Enrichment Score: 1.29	G				
<input type="checkbox"/>	GOTERM_BP_ALL	histone modification	RT		11	4.3E-3	3.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid alkylation	RT		9	7.1E-3	3.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid methylation	RT		9	7.1E-3	3.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT		11	8.0E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	histone methylation	RT		6	1.6E-2	5.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein methyltransferase activity	RT		9	1.6E-2	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT		11	1.6E-2	5.2E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Post-SET	RT		4	1.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:PHD-type 3	RT		3	2.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT		11	2.3E-2	6.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SET	RT		5	2.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:PHD-type 2	RT		5	3.7E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:PHD-type 1	RT		5	4.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lysine N-methyltransferase activity	RT		5	6.2E-2	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein-lysine N-methyltransferase activity	RT		5	6.2E-2	9.6E-1

<input type="checkbox"/>	GOTERM_MF_ALL	histone-lysine N-methyltransferase activity	RT				5	6.2E-2	9.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	histone methyltransferase activity	RT				6	7.6E-2	9.7E-1	
<input type="checkbox"/>	INTERPRO	Post-SET zinc-binding region	RT				4	9.4E-2	1.0E0	
<input type="checkbox"/>	SMART	PostSET	RT				4	1.2E-1	8.5E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	s-adenosyl-l-methionine	RT				10	1.3E-1	8.5E-1	
<input type="checkbox"/>	INTERPRO	SET	RT				7	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	one-carbon compound metabolic process	RT				12	1.6E-1	9.4E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	S-adenosylmethionine-dependent methyltransferase activity	RT				10	1.8E-1	9.9E-1	
<input type="checkbox"/>	SMART	SET	RT				7	1.9E-1	9.1E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	N-methyltransferase activity	RT				6	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	methyltransferase activity	RT				17	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring one-carbon groups	RT				17	3.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	methyltransferase	RT				11	5.1E-1	9.9E-1	
	Annotation Cluster 39	Enrichment Score: 1.26	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Protein kinase C, phorbol ester/diacylglycerol binding	RT				13	5.1E-3	9.3E-1	
<input type="checkbox"/>	SMART	C1	RT				13	1.1E-2	5.7E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:Phorbol-ester/DAG-type 1	RT				5	1.7E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:Phorbol-ester/DAG-type 2	RT				5	1.7E-2	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine/threonine-specific protein kinase	RT				8	2.9E-2	5.5E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	diacylglycerol binding	RT				10	3.1E-2	9.1E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	phospholipid binding	RT				4	7.5E-2	7.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase C activity	RT				4	1.3E-1	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	phorbol ester binding	RT				3	1.4E-1	8.8E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	phorbol ester receptor activity	RT				4	1.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Protein kinase C	RT				3	1.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C2	RT				6	2.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Phorbol-ester binding	RT				6	3.0E-1	9.7E-1	
	Annotation Cluster 40	Enrichment Score: 1.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Receptor activity modifying protein	RT				3	2.1E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of G-protein coupled receptor protein signaling pathway	RT				6	4.3E-2	7.3E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	coreceptor activity	RT				3	2.1E-1	1.0E0	
	Annotation Cluster 41	Enrichment Score: 1.19	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cell-matrix adhesion	RT				15	7.9E-3	3.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell motility	RT				13	3.4E-2	6.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of locomotion	RT				13	4.8E-2	7.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell motility	RT				6	5.9E-2	8.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of locomotion	RT				6	6.8E-2	8.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	locomotion	RT				13	8.5E-2	8.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell migration	RT				10	1.4E-1	9.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell migration	RT				3	5.2E-1	1.0E0	
	Annotation Cluster 42	Enrichment Score: 1.19	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	BIOCARTA	Control of Gene Expression by Vitamin D Receptor	RT				8	4.3E-2	9.6E-1	
<input type="checkbox"/>	BIOCARTA	Role of PPAR-gamma Coactivators in Obesity and Thermoogenesis	RT				5	4.7E-2	9.0E-1	
<input type="checkbox"/>	BIOCARTA	Transcription Regulation by Methyltransferase of CARM1	RT				4	1.4E-1	9.9E-1	
	Annotation Cluster 43	Enrichment Score: 1.18	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	determination of left/right symmetry	RT				8	2.4E-2	6.1E-1	

<input type="checkbox"/>	GOTERM_BP_ALL	determination of symmetry	RT				8	2.7E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	determination of bilateral symmetry	RT				8	2.7E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	dorsal/ventral pattern formation	RT				7	1.6E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	smoothened signaling pathway	RT				4	4.4E-1	9.9E-1
	Annotation Cluster 44	Enrichment Score: 1.18	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chondrocyte differentiation	RT				7	3.0E-3	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of chondrocyte differentiation	RT				3	4.0E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of chondrocyte differentiation	RT				3	4.0E-2	7.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	Hedgehog signaling pathway	RT				7	3.2E-1	8.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Basal cell carcinoma	RT				4	8.7E-1	9.9E-1
	Annotation Cluster 45	Enrichment Score: 1.16	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT				37	2.0E-3	2.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT				19	4.9E-3	3.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT				33	7.7E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT				12	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT				12	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell proliferation	RT				8	2.4E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT				15	5.8E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT				27	5.9E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell proliferation	RT				9	6.9E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organismal process	RT				36	7.1E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT				13	7.4E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT				13	7.4E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte proliferation	RT				8	8.1E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of mononuclear cell proliferation	RT				8	8.1E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell activation	RT				9	8.2E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	T cell proliferation	RT				10	1.0E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell activation	RT				11	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte activation	RT				10	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of activated T cell proliferation	RT				3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of activated T cell proliferation	RT				3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT				15	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT				21	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	activated T cell proliferation	RT				3	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte differentiation	RT				4	4.2E-1	9.9E-1
	Annotation Cluster 46	Enrichment Score: 1.14	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Protein kinase, C-terminal	RT				10	3.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:AGC-kinase C-terminal	RT				9	5.7E-2	1.0E0
<input type="checkbox"/>	SMART	S TK X	RT				10	6.6E-2	8.9E-1
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT				23	1.8E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 1.08	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, MYM-type	RT				3	6.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	TRASH	RT				3	8.7E-2	1.0E0
<input type="checkbox"/>	SMART	TRASH	RT				3	1.0E-1	8.8E-1
	Annotation Cluster 48	Enrichment Score: 1.07	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT				36	5.8E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT				40	1.0E-1	8.9E-1

<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT					40	1.0E-1	8.9E-1
	Annotation Cluster 49	Enrichment Score: 1.03	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism growth	RT					10	7.6E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organism growth	RT					9	8.2E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT					21	1.3E-1	9.2E-1
	Annotation Cluster 50	Enrichment Score: 1.02	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	biological rhythms	RT					7	2.8E-3	1.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Circadian rhythm	RT					5	2.0E-2	4.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:CRY binding domain	RT					3	2.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:CSNK1E binding domain	RT					3	2.2E-2	1.0E0
<input type="checkbox"/>	INTERPRO	PAS	RT					7	3.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	xenobiotic metabolic process	RT					5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein histidine kinase activity	RT					6	4.2E-2	9.4E-1
<input type="checkbox"/>	INTERPRO	PAC motif	RT					6	4.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to xenobiotic stimulus	RT					5	5.3E-2	7.7E-1
<input type="checkbox"/>	SMART	PAS	RT					7	5.9E-2	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	two-component sensor activity	RT					5	6.2E-2	9.6E-1
<input type="checkbox"/>	SMART	PAC	RT					6	7.1E-2	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, nitrogenous group as acceptor	RT					6	8.6E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	PAS fold-3	RT					5	8.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	circadian rhythm	RT					6	8.8E-2	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Nuclear export signal	RT					5	1.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAS 1	RT					4	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAS 2	RT					4	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	two-component signal transduction system (phosphorelay)	RT					5	2.0E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT					13	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	PAS fold	RT					4	2.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PAC	RT					4	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Basic helix-loop-helix dimerisation region bHLH	RT					9	6.6E-1	1.0E0
<input type="checkbox"/>	SMART	HLH	RT					9	8.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helix-loop-helix motif	RT					6	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Helix-loop-helix DNA-binding	RT					5	9.2E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 1.01	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	NAD+ ADP-ribosyltransferase activity	RT					5	4.2E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring pentosyl groups	RT					8	6.4E-2	9.6E-1
<input type="checkbox"/>	INTERPRO	Poly(ADP-ribose) polymerase, catalytic region	RT					3	3.4E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid autophosphorylation	RT					8	8.1E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein autoprocessing	RT					8	1.1E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein processing	RT					12	1.2E-1	9.1E-1
	Annotation Cluster 53	Enrichment Score: 0.96	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	inflammation	RT					6	1.4E-2	4.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium binding	RT					10	4.4E-2	6.6E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002353:S-100 protein	RT					4	9.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	S100/CaBP-9k-type, calcium binding, subdomain	RT					4	2.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	S100/CaBP-9k-type, calcium binding	RT					4	2.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	EF hand	RT					4	4.9E-1	9.9E-1

Annotation Cluster 54		Enrichment Score: 0.95	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT		61	3.8E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT		42	9.7E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		21	3.8E-1	9.9E-1
Annotation Cluster 55		Enrichment Score: 0.94	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Peptidoglycan-binding LysM	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	SMART	LysM	RT		3	1.0E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell wall catabolic process	RT		4	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell wall metabolic process	RT		4	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell wall organization and biogenesis	RT		4	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	external encapsulating structure organization and biogenesis	RT		4	1.5E-1	9.4E-1
Annotation Cluster 56		Enrichment Score: 0.93	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT		11	9.0E-3	9.8E-1
<input type="checkbox"/>	SMART	BRLZ	RT		11	2.6E-2	7.3E-1
<input type="checkbox"/>	INTERPRO	Basic leucine zipper	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Leucine-zipper	RT		11	2.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		13	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		28	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	bZIP transcription factor, bZIP-1	RT		4	3.4E-1	1.0E0
Annotation Cluster 57		Enrichment Score: 0.93	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	phagocytosis, engulfment	RT		6	3.4E-3	2.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of inflammatory response	RT		6	6.8E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of defense response	RT		6	6.8E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune effector process	RT		6	1.2E-2	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of inflammatory response	RT		8	1.7E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of defense response	RT		8	1.7E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phagocytosis	RT		6	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of phagocytosis	RT		6	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune effector process	RT		5	2.1E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains.	RT		6	2.4E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of adaptive immune response	RT		6	2.4E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	RT		5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of adaptive immune response	RT		5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte mediated immunity	RT		5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of leukocyte mediated immunity	RT		5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phagocytosis	RT		8	3.6E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of endocytosis	RT		6	6.8E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte mediated immunity	RT		4	7.8E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of leukocyte mediated immunity	RT		4	7.8E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of inflammatory response to antigenic stimulus	RT		4	9.5E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of response to stimulus	RT		8	1.1E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	inflammatory response to antigenic stimulus	RT		4	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response based on somatic recombination of immune	RT		12	1.5E-1	9.3E-1

<input type="checkbox"/>		receptors built from immunoglobulin superfamily domains	RT		13	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	adaptive immune response	RT		13	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immunoglobulin mediated immune response	RT		3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell mediated immunity	RT		3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organismal process	RT		15	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of inflammatory response to antigenic stimulus	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phagocytosis, recognition	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		16	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of endocytosis	RT		6	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hypersensitivity	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of acute inflammatory response to antigenic stimulus	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of acute inflammatory response	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transport	RT		6	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT		13	3.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hypersensitivity	RT		3	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	acute inflammatory response to antigenic stimulus	RT		3	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte mediated immunity	RT		11	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune system process	RT		11	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT		12	3.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated immunity	RT		11	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune response	RT		10	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell recognition	RT		5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin mediated immune response	RT		7	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell mediated immunity	RT		7	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	acute inflammatory response	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane invagination	RT		13	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT		13	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transport	RT		7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane organization and biogenesis	RT		18	9.2E-1	1.0E0
	Annotation Cluster 58	Enrichment Score: 0.92	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT		34	3.4E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT		21	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT		16	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT		17	1.4E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT		12	2.9E-1	9.8E-1
	Annotation Cluster 59	Enrichment Score: 0.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	SH2 motif	RT		15	8.3E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sh2 domain	RT		15	8.5E-2	7.9E-1
<input type="checkbox"/>	SMART	SH2	RT		15	1.6E-1	9.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH2	RT		9	2.1E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.91	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to other organism	RT		19	7.7E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to virus	RT		9	9.0E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT		24	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT		25	2.0E-1	9.6E-1
	Annotation Cluster 61	Enrichment Score: 0.9	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Prostate cancer	RT		17	6.9E-3	3.9E-1

<input type="checkbox"/>	KEGG_PATHWAY	Apoptosis	RT		16	7.2E-3	3.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Acute myeloid leukemia	RT		12	1.7E-2	4.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanoma	RT		13	2.5E-2	4.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Renal cell carcinoma	RT		13	3.0E-2	5.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	Chronic myeloid leukemia	RT		13	3.9E-2	5.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphatidylinositol-4,5-bisphosphate 3-kinase activity	RT		3	3.9E-2	9.4E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000586:phosphatidylinositol 3-kinase	RT		3	4.1E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Toll-like receptor signaling pathway	RT		16	4.1E-2	5.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glioma	RT		11	4.4E-2	5.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	1-phosphatidylinositol-3-kinase activity	RT		4	4.7E-2	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide 3-kinase activity	RT		4	4.7E-2	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT		26	4.8E-2	5.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Non-small cell lung cancer	RT		10	5.7E-2	4.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	phosphoinositide 3-kinase complex	RT		4	5.8E-2	8.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Small cell lung cancer	RT		14	6.9E-2	5.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	B cell receptor signaling pathway	RT		11	8.0E-2	5.5E-1
<input type="checkbox"/>	INTERPRO	Phosphoinositide 3-kinase, ras-binding	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Endometrial cancer	RT		9	9.5E-2	6.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	T cell receptor signaling pathway	RT		14	1.0E-1	6.1E-1
<input type="checkbox"/>	KEGG_PATHWAY	mTOR signaling pathway	RT		9	1.0E-1	6.0E-1
<input type="checkbox"/>	SMART	PI3K_rbd	RT		3	1.0E-1	8.8E-1
<input type="checkbox"/>	INTERPRO	Phosphoinositide 3-kinase, C2	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	SMART	PI3K_C2	RT		3	1.4E-1	8.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Phosphatidylinositol signaling system	RT		10	1.4E-1	6.9E-1
<input type="checkbox"/>	INTERPRO	Phosphoinositide 3-kinase accessory region PIK	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	PI3Ka	RT		3	1.7E-1	8.9E-1
<input type="checkbox"/>	INTERPRO	Phosphatidylinositol Kinase	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Pancreatic cancer	RT		10	2.1E-1	7.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Fc epsilon RI signaling pathway	RT		10	2.2E-1	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide phosphorylation	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Type II diabetes mellitus	RT		7	2.6E-1	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid modification	RT		5	2.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid metabolic process	RT		9	2.7E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid phosphorylation	RT		3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	lipid kinase activity	RT		4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	inositol or phosphatidylinositol kinase activity	RT		5	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PI3K/PI4K	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide-mediated signaling	RT		7	3.5E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	ErbB signaling pathway	RT		10	3.5E-1	8.7E-1
<input type="checkbox"/>	INTERPRO	Phosphatidylinositol 3- and 4-kinase, catalytic	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Insulin signaling pathway	RT		14	4.2E-1	8.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Inositol phosphate metabolism	RT		6	4.3E-1	8.8E-1
<input type="checkbox"/>	SMART	PI3Kc	RT		3	4.6E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	Colorectal cancer	RT		9	4.6E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phosphoinositide metabolic process	RT		6	4.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Natural killer cell mediated cytotoxicity	RT		13	4.8E-1	9.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	VEGF signaling pathway	RT		7	7.0E-1	9.6E-1



















































<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_CC_ALL	cytosolic part	RT					5	9.8E-1	1.0E0
	Annotation Cluster 62		Enrichment Score: 0.9		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT					12	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT					12	2.0E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT					15	5.8E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT					13	7.4E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT					13	7.4E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of B cell proliferation	RT					3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of lymphocyte proliferation	RT					5	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of mononuclear cell proliferation	RT					5	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	B cell proliferation	RT					5	2.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of B cell activation	RT					3	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell proliferation	RT					4	3.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell activation	RT					6	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of lymphocyte activation	RT					5	3.4E-1	9.8E-1
	Annotation Cluster 63		Enrichment Score: 0.9		G			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	autophosphorylation	RT					11	2.6E-3	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP	RT					21	7.2E-2	7.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT					35	1.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase, active site	RT					13	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphotransferase	RT					16	1.5E-1	8.8E-1
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase	RT					15	1.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-protein kinase	RT					14	1.8E-1	9.0E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific protein kinase	RT					7	2.2E-1	9.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 3	RT					8	3.0E-1	1.0E0
<input type="checkbox"/>	SMART	TyrKc	RT					15	3.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor protein tyrosine kinase activity	RT					8	4.5E-1	1.0E0
	Annotation Cluster 64		Enrichment Score: 0.9		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of odontogenesis of dentine-containing teeth	RT					4	1.0E-2	4.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of ossification	RT					8	1.2E-2	4.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis of dentine-containing teeth	RT					9	1.4E-2	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of bone remodeling	RT					4	1.7E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of ossification	RT					4	1.7E-2	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	BMP signaling pathway	RT					8	2.0E-2	5.8E-1
<input type="checkbox"/>	PIRSF500510	PIRSF500510:bone morphogenetic protein, BMP2/ BMP4 types	RT					3	2.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cartilage development	RT					11	2.3E-2	6.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of bone remodeling	RT					8	2.4E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	odontogenesis	RT					9	2.5E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoblast differentiation	RT					5	2.7E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell differentiation	RT					11	2.8E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT					16	3.8E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of odontogenesis	RT					3	4.0E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT					16	4.1E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	osteoblast differentiation	RT					7	4.6E-2	7.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	osteogenesis	RT					5	5.0E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of bone mineralization	RT					3	6.2E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	bone mineralization	RT					7	6.8E-2	8.3E-1

<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT		16	6.9E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ureteric bud branching	RT		5	7.5E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of bone mineralization	RT		5	8.8E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	urogenital system development	RT		12	9.3E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm formation	RT		6	9.9E-2	8.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chondrogenesis	RT		4	1.1E-1	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	kidney development	RT		11	1.1E-1	9.0E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF037272:bone morphogenetic protein	RT		4	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm morphogenesis	RT		6	1.2E-1	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	formation of primary germ layer	RT		6	1.4E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT		12	1.4E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of osteoblast differentiation	RT		3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT		16	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT		9	1.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT		17	2.4E-1	9.7E-1
<input type="checkbox"/>	INTERPRO	Transforming growth factor beta (TGFB), N-terminal	RT		4	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metanephros development	RT		7	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT		9	2.5E-1	9.7E-1
<input type="checkbox"/>	INTERPRO	Transforming growth factor-beta-related	RT		5	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT		21	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm development	RT		7	2.9E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Hedgehog signaling pathway	RT		7	3.2E-1	8.4E-1
<input type="checkbox"/>	INTERPRO	Transforming growth factor beta	RT		5	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of bone remodeling	RT		3	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ureteric bud development	RT		5	4.0E-1	9.9E-1
<input type="checkbox"/>	SMART	TGFB	RT		5	4.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT		19	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of multicellular organismal process	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	growth factor activity	RT		14	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT		25	7.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth factor	RT		10	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue morphogenesis	RT		6	8.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Basal cell carcinoma	RT		4	8.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	eye development	RT		6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell fate commitment	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	camera-type eye development	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Cleavage on pair of basic residues	RT		10	9.9E-1	1.0E0
Annotation Cluster 65		Enrichment Score: 0.88	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT		24	4.3E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT		23	5.2E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT		46	5.8E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT		22	5.9E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT		40	8.6E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transferase activity	RT		16	8.7E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein kinase activity	RT		15	9.0E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of kinase activity	RT		15	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT		22	1.2E-1	9.1E-1


<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of MAP kinase activity	RT		7	2.0E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of MAP kinase activity	RT		8	4.1E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	activation of MAPK activity	RT		4	6.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	MAPKKK cascade	RT		10	8.3E-1	1.0E0	
		Annotation Cluster 66	Enrichment Score: 0.87	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	The information-processing pathway at the IFN-beta enhancer	RT		5	3.4E-2	9.6E-1	
<input type="checkbox"/>	BIOCARTA	Control of Gene Expression by Vitamin D Receptor	RT		8	4.3E-2	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	histone acetylation	RT		4	6.2E-2	8.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acylation	RT		6	6.8E-2	8.3E-1	
<input type="checkbox"/>	SMART	BROMO	RT		8	8.0E-2	8.7E-1	
<input type="checkbox"/>	INTERPRO	Bromodomain	RT		7	9.3E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		10	9.4E-2	9.8E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		9	9.5E-2	9.8E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Notch signaling pathway	RT		8	1.0E-1	5.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	bromodomain	RT		6	1.0E-1	8.1E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		10	1.2E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acetylation	RT		4	1.5E-1	9.4E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	lysine N-acetyltransferase activity	RT		4	2.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	histone acetyltransferase activity	RT		4	2.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	histone acetyltransferase complex	RT		3	2.3E-1	9.9E-1	
<input type="checkbox"/>	BIOCARTA	Regulation of transcriptional activity by PML	RT		4	4.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	kinetochore	RT		3	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT		4	9.3E-1	1.0E0	
		Annotation Cluster 67	Enrichment Score: 0.87	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SMART	CHROMO	RT		7	4.4E-2	8.6E-1	
<input type="checkbox"/>	INTERPRO	Chromo	RT		6	6.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	chromatin binding	RT		14	2.5E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SNF2-related	RT		4	4.4E-1	1.0E0	
		Annotation Cluster 68	Enrichment Score: 0.86	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		186	1.1E-2	4.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		186	1.1E-2	4.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		282	3.3E-2	6.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT		131	2.3E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT		158	2.7E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT		198	3.7E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT		179	4.5E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT		101	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT		244	7.0E-1	1.0E0	
		Annotation Cluster 69	Enrichment Score: 0.86	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	sulfuric ester hydrolase activity	RT		4	7.7E-2	9.7E-1	
<input type="checkbox"/>	INTERPRO	Sulphatase	RT		4	7.7E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Alkaline phosphatase	RT		5	8.6E-2	1.0E0	
<input type="checkbox"/>	SMART	alkPPc	RT		5	1.5E-1	9.0E-1	
<input type="checkbox"/>	COG_ONTOLOGY	Inorganic ion transport and metabolism	RT		8	6.9E-1	1.0E0	
		Annotation Cluster 70	Enrichment Score: 0.85	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	lipid binding	RT		45	6.1E-2	9.7E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipid binding	RT		25	1.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide binding	RT		19	2.7E-1	1.0E0	
		Annotation Cluster 71	Enrichment Score: 0.84	G		Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		10	9.4E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		9	9.5E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		10	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	acyltransferase activity	RT		20	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring groups other than amino-acyl groups	RT		20	1.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	acyltransferase	RT		16	1.7E-1	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring acyl groups	RT		20	2.3E-1	1.0E0
Annotation Cluster 72		Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	STAT transcription factor, all-alpha	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	STAT transcription factor, core	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	STAT transcription factor, DNA-binding	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	STAT transcription factor, DNA-binding, subdomain	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	STAT transcription factor, protein interaction	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF015568:signal transducer and transcription activator STAT5A	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH2	RT		9	2.1E-1	1.0E0
Annotation Cluster 73		Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein biosynthetic process	RT		9	9.0E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid lipidation	RT		8	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipoprotein metabolic process	RT		9	2.9E-1	9.8E-1
Annotation Cluster 74		Enrichment Score: 0.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid metabolism	RT		14	1.1E-1	8.2E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carnitine O-acyltransferase activity	RT		3	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	O-acyltransferase activity	RT		6	1.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Acyltransferase ChoActase/COT/CPT	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Fatty acid metabolism	RT		6	3.8E-1	9.8E-1
Annotation Cluster 75		Enrichment Score: 0.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Endonuclease	RT		11	9.4E-3	3.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclease	RT		12	5.4E-2	6.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters	RT		5	8.6E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity	RT		12	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity	RT		7	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	pancreatic ribonuclease activity	RT		4	1.5E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Pancreatic ribonuclease	RT		4	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease activity	RT		9	1.6E-1	9.9E-1
<input type="checkbox"/>	SMART	RNAse Pc	RT		4	1.9E-1	9.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 3'-phosphomonoesters	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nuclease activity	RT		16	2.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Substrate binding	RT		5	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 5'-phosphomonoesters	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 5'-phosphomonoesters	RT		3	6.4E-1	1.0E0
Annotation Cluster 76		Enrichment Score: 0.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	polyamine catabolic process	RT		4	5.6E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermine catabolic process	RT		3	2.1E-2	5.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative catabolic process	RT		5	5.3E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermine metabolic process	RT		3	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine catabolic process	RT		4	1.3E-1	9.2E-1

<input type="checkbox"/>	GOTERM_BP_ALL	polyamine metabolic process	RT		4	1.8E-1	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Urea cycle and metabolism of amino groups	RT		5	2.9E-1	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amine catabolic process	RT		6	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound catabolic process	RT		6	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biogenic amine metabolic process	RT		5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid derivative metabolic process	RT		6	9.1E-1	1.0E0
Annotation Cluster 77		Enrichment Score: 0.79	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-tyrosine phosphorylation	RT		10	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-tyrosine modification	RT		10	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorylation	RT		10	1.4E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein amino acid phosphorylation	RT		9	1.4E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amine metabolic process	RT		9	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amino acid metabolic process	RT		9	1.5E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein amino acid phosphorylation	RT		6	1.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amino acid metabolic process	RT		6	1.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amine metabolic process	RT		6	1.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorus metabolic process	RT		10	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphate metabolic process	RT		10	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	peptidyl-amino acid modification	RT		15	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of peptidyl-tyrosine phosphorylation	RT		5	4.8E-1	1.0E0
Annotation Cluster 78		Enrichment Score: 0.78	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT		32	1.0E-2	7.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT		24	3.4E-2	5.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	integral to Golgi membrane	RT		7	4.1E-2	8.0E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 2	RT		10	5.7E-2	4.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to Golgi membrane	RT		7	8.5E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sialyltransferase activity	RT		5	8.6E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Glycosyl transferase, family 29	RT		5	8.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal-anchor	RT		37	9.6E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT		15	1.3E-1	9.2E-1
<input type="checkbox"/>	INTERPRO	Sialyltransferase	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid O-linked glycosylation	RT		4	1.8E-1	9.5E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF005557:sialyltransferase	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT		12	1.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT		11	1.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT		11	2.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to organelle membrane	RT		10	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to organelle membrane	RT		9	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT		11	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT		16	3.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycosphingolipid biosynthesis - ganglioseries	RT		3	4.1E-1	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Luminal	RT		23	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi membrane	RT		10	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi apparatus part	RT		13	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT		28	8.9E-1	1.0E0

Annotation Cluster 79		Enrichment Score: 0.78	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ELM2	RT		3	9.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SANT	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ELM2	RT		3	2.8E-1	1.0E0
Annotation Cluster 80		Enrichment Score: 0.76	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Caspase Recruitment	RT		5	1.0E-1	1.0E0
<input type="checkbox"/>	SMART	CARD	RT		5	1.3E-1	8.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CARD	RT		3	3.9E-1	1.0E0
Annotation Cluster 81		Enrichment Score: 0.76	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	SANT, DNA-binding	RT		9	1.0E-1	1.0E0
<input type="checkbox"/>	SMART	SANT	RT		9	1.6E-1	9.1E-1
<input type="checkbox"/>	INTERPRO	Myb, DNA-binding	RT		5	3.1E-1	1.0E0
Annotation Cluster 82		Enrichment Score: 0.76	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	uDENN	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	uDENN	RT		3	1.7E-1	8.9E-1
<input type="checkbox"/>	SMART	DENN	RT		3	2.1E-1	9.2E-1
Annotation Cluster 83		Enrichment Score: 0.76	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	BTB/POZ	RT		15	4.0E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Kelch related	RT		9	6.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/POZ-like	RT		16	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/POZ fold	RT		16	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:BTB	RT		7	2.9E-1	1.0E0
<input type="checkbox"/>	SMART	BTB	RT		17	3.1E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	BTB/Kelch-associated	RT		5	4.3E-1	1.0E0
Annotation Cluster 84		Enrichment Score: 0.74	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	MAD homology 2, Dwarfism-type	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	MAD homology, MH1	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Dwarfism	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF037286:Smad protein	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:MH1	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:MH2	RT		3	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	DWB	RT		4	1.6E-1	9.1E-1
<input type="checkbox"/>	BIOCARTA	CTCF	RT		5	2.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	MAD homology 1, Dwarfism-type	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	DWA	RT		3	3.5E-1	9.7E-1
Annotation Cluster 85		Enrichment Score: 0.73	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002549:transferrin	RT		3	6.4E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Iron transport	RT		5	8.3E-2	7.8E-1
<input type="checkbox"/>	INTERPRO	Peptidase S60, transferrin lactoferrin	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	SMART	TR_FER	RT		3	1.0E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion transport	RT		5	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular iron ion homeostasis	RT		4	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	iron ion homeostasis	RT		4	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ferric iron binding	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT		6	5.7E-1	1.0E0
Annotation Cluster 86		Enrichment Score: 0.73	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	chemotaxis	RT		11	2.3E-2	4.8E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001950:small inducible chemokine, C/CC types	RT		5	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, C-C	RT		5	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small chemokine, interleukin-8-like	RT		6	2.6E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	chemokine activity	RT		6	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor binding	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	SCY	RT		6	3.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein-coupled receptor binding	RT		6	6.8E-1	1.0E0
	Annotation Cluster 87	Enrichment Score: 0.72	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	retinal homeostasis	RT		3	4.0E-2	7.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal homeostasis	RT		4	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tissue homeostasis	RT		4	4.2E-1	9.9E-1
	Annotation Cluster 88	Enrichment Score: 0.72	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Acyl-CoA dehydrogenase/oxidase, N-terminal	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Acyl-CoA oxidase/dehydrogenase, type 1	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Acyl-CoA dehydrogenase/oxidase, central region	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Acyl-CoA oxidase/dehydrogenase, type1/2, C-terminal	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acyl-CoA dehydrogenase activity	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Acyl-CoA dehydrogenase	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	FAD binding	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the CH-CH group of donors	RT		5	4.9E-1	1.0E0
	Annotation Cluster 89	Enrichment Score: 0.71	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002512:integrin, beta subunit	RT		4	1.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, subgroup	RT		4	2.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, N-terminal	RT		4	3.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, tail	RT		4	3.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Integrin beta subunit	RT		4	4.8E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, C-terminal	RT		4	4.8E-2	1.0E0
<input type="checkbox"/>	SMART	INB	RT		4	6.2E-2	8.8E-1
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, cytoplasmic	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Plexin/semaphorin/integrin	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	SMART	PSI	RT		7	2.9E-1	9.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	ECM-receptor interaction	RT		10	3.9E-1	8.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	integrin complex	RT		4	5.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:VWFA	RT		3	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	integrin-mediated signaling pathway	RT		7	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	von Willebrand factor, type A	RT		6	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Integrin	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF, extracellular	RT		5	8.5E-1	1.0E0
<input type="checkbox"/>	SMART	VWA	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	receptor complex	RT		5	9.2E-1	1.0E0
	Annotation Cluster 90	Enrichment Score: 0.71	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF038354:forkhead box O protein	RT		3	2.2E-2	1.0E0
<input type="checkbox"/>	BIOCARTA	AKT Signaling Pathway	RT		7	2.6E-2	9.8E-1
<input type="checkbox"/>	INTERPRO	Fork head transcription factor	RT		5	4.3E-1	1.0E0
<input type="checkbox"/>	SMART	FH	RT		5	5.1E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Winged helix repressor DNA-binding	RT		10	5.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Fork-head	RT		3	7.4E-1	1.0E0
	Annotation Cluster 91	Enrichment Score: 0.71	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Nuclear receptor ROR	RT		4	1.0E-2	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	transcription factor	RT		9	5.7E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte activation	RT		7	6.0E-2	8.0E-1

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of macrophage activation	RT		3	8.8E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer development	RT		4	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cGMP metabolic process	RT		4	1.3E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex development	RT		4	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cyclic nucleotide metabolic process	RT		6	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macrophage activation	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer formation	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell layer morphogenesis	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar Purkinje cell differentiation	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex formation	RT		3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation in hindbrain	RT		3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellum development	RT		4	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	metencephalon development	RT		4	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide biosynthetic process	RT		4	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitric oxide metabolic process	RT		4	3.4E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	disease mutation	RT		9	3.5E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellar cortex morphogenesis	RT		3	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cerebellum morphogenesis	RT		3	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hindbrain morphogenesis	RT		3	4.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hindbrain development	RT		5	4.8E-1	1.0E0
Annotation Cluster 92		Enrichment Score: 0.7	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 3 (via carbonyl oxygen)	RT		6	7.5E-3	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT		12	1.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 4 (via carbonyl oxygen)	RT		4	1.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 2 (in inhibited form)	RT		4	5.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 2 (catalytic)	RT		4	6.6E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 1	RT		7	9.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 3	RT		5	1.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 2	RT		7	1.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Hemopexin	RT		5	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	peptidoglycan metabolic process	RT		5	1.3E-1	9.2E-1
<input type="checkbox"/>	SMART	HX	RT		5	1.7E-1	9.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	collagen degradation	RT		4	1.7E-1	9.0E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 2 (via carbonyl oxygen)	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidoglycan binding-like	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	collagen catabolic process	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal protein catabolic process	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein digestion	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal macromolecule metabolic process	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal macromolecule catabolic process	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal protein metabolic process	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 4	RT		4	2.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 3	RT		4	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	collagen metabolic process	RT		4	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal catabolic process	RT		4	2.5E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 1	RT		7	2.5E-1	1.0E0



















































<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 2	RT				4	2.6E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 1	RT				4	2.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	metalloproteinase	RT				3	3.0E-1	9.7E-1	
<input type="checkbox"/>	INTERPRO	Peptidase, metallopeptidases	RT				4	3.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal metabolic process	RT				4	3.4E-1	9.8E-1	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001191:matrix metalloproteinase, stromelysin type	RT				3	3.8E-1	1.0E0	
<input type="checkbox"/>	SMART	ZnMc	RT				4	4.0E-1	9.8E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 1 (via carbonyl oxygen)	RT				4	4.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Cysteine switch	RT				4	5.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Peptidase M10A and M12B, matrixin and adamalysin	RT				4	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	digestion	RT				4	7.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Peptidase M, neutral zinc metallopeptidases, zinc-binding site	RT				5	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	metalloendopeptidase activity	RT				6	9.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	metalloprotease	RT				5	1.0E0	1.0E0	
	Annotation Cluster 93	Enrichment Score: 0.69	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Spectrin repeat	RT				7	4.5E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Actin-binding, actinin-type	RT				6	6.7E-2	1.0E0	
<input type="checkbox"/>	SMART	SPEC	RT				7	6.8E-2	8.8E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CH 1	RT				4	2.6E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:CH 2	RT				4	2.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Calponin-like actin-binding	RT				8	2.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Spectrin 4	RT				3	2.9E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Spectrin 3	RT				3	3.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Spectrin 1	RT				3	3.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:Spectrin 2	RT				3	3.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Actin-binding	RT				3	3.5E-1	1.0E0	
<input type="checkbox"/>	SMART	CH	RT				8	3.7E-1	9.7E-1	
	Annotation Cluster 94	Enrichment Score: 0.69	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Death	RT				7	5.2E-2	1.0E0	
<input type="checkbox"/>	SMART	DEATH	RT				7	8.7E-2	8.5E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Death	RT				4	3.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	DEATH-like	RT				6	4.0E-1	1.0E0	
<input type="checkbox"/>	BIOCARTA	TNF/Stress Related Signaling	RT				4	6.3E-1	1.0E0	
	Annotation Cluster 95	Enrichment Score: 0.69	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine production	RT				18	2.1E-2	5.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT				19	1.1E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT				20	1.2E-1	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine metabolic process	RT				11	1.3E-1	9.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine biosynthetic process	RT				11	1.3E-1	9.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT				21	1.7E-1	9.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of translation	RT				8	1.8E-1	9.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	interleukin-2 biosynthetic process	RT				4	2.0E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of interleukin-2 biosynthetic process	RT				3	2.1E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	interleukin-2 production	RT				4	2.2E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular biosynthetic process	RT				8	2.3E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytokine biosynthetic process	RT				9	2.4E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT				29	2.4E-1	9.7E-1	

















































<input type="checkbox"/>	GOTERM_BP_ALL	regulation of interleukin-2 biosynthetic process	RT		3	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cytokine biosynthetic process	RT		6	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biosynthetic process	RT		8	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein metabolic process	RT		10	4.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		29	9.8E-1	1.0E0
		Annotation Cluster 96	Enrichment Score: 0.68	G			
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activator activity	RT		22	7.1E-2	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme activator activity	RT		26	1.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase activator activity	RT		9	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of GTPase activity	RT		9	4.1E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	gtpase activation	RT		9	4.4E-1	9.9E-1
		Annotation Cluster 97	Enrichment Score: 0.68	G			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rab GTPase activity	RT		7	1.0E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rab protein signal transduction	RT		7	1.0E-1	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Rab protein signal transduction	RT		7	1.0E-1	8.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Rab GTPase activator activity	RT		7	1.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras GTPase activity	RT		7	1.9E-1	9.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase activator activity	RT		9	2.0E-1	1.0E0
<input type="checkbox"/>	SMART	TBC	RT		6	2.9E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	RabGAP/TBC	RT		5	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of GTPase activity	RT		9	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of hydrolase activity	RT		13	6.5E-1	1.0E0
		Annotation Cluster 98	Enrichment Score: 0.68	G			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cyclic nucleotide metabolic process	RT		3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cyclic nucleotide metabolic process	RT		6	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleotide metabolic process	RT		3	2.4E-1	9.7E-1
		Annotation Cluster 99	Enrichment Score: 0.68	G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrogen peroxide	RT		3	3.8E-2	6.2E-1
<input type="checkbox"/>	KEGG_PATHWAY	Methane metabolism	RT		4	4.8E-2	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to oxidative stress	RT		10	7.0E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen peroxide catabolic process	RT		3	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	oxygen and reactive oxygen species metabolic process	RT		6	1.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen peroxide metabolic process	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to reactive oxygen species	RT		4	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to hydrogen peroxide	RT		3	3.1E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Peroxidase	RT		4	3.3E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on peroxide as acceptor	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peroxidase activity	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	antioxidant activity	RT		6	5.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Iron (heme axial ligand)	RT		7	6.3E-1	1.0E0
		Annotation Cluster 100	Enrichment Score: 0.67	G			
<input type="checkbox"/>	GOTERM_BP_ALL	chondrocyte differentiation	RT		7	3.0E-3	2.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT		5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT		5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell fate commitment	RT		6	9.6E-1	1.0E0
		Annotation Cluster 101	Enrichment Score: 0.66	G			
<input type="checkbox"/>	GOTERM_BP_ALL	post-Golgi vesicle-mediated transport	RT		4	1.1E-1	9.0E-1

<input type="checkbox"/>	GOTERM_BP_ALL	Golgi to plasma membrane transport	RT		3	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT		7	7.7E-1	1.0E0
	Annotation Cluster 102	Enrichment Score: 0.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:UBX	RT		3	1.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	UBX	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	SMART	UBX	RT		3	3.2E-1	9.6E-1
	Annotation Cluster 103	Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sterol homeostasis	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol homeostasis	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid homeostasis	RT		4	2.2E-1	9.6E-1
	Annotation Cluster 104	Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	C-C chemokine receptor activity	RT		5	7.3E-2	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	C-C chemokine binding	RT		5	7.3E-2	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine binding	RT		12	1.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine receptor activity	RT		5	1.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Chemokine receptor	RT		4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	chemokine binding	RT		5	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide receptor activity	RT		10	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide binding	RT		12	7.0E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002406:vertebrate rhodopsin	RT		4	9.7E-1	1.0E0
	Annotation Cluster 105	Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine	RT		24	1.8E-2	4.5E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine activity	RT		24	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	growth factor activity	RT		14	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor binding	RT		49	8.8E-1	1.0E0
	Annotation Cluster 106	Enrichment Score: 0.65	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Glycolysis / Gluconeogenesis	RT		9	1.2E-1	6.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	Propanoate metabolism	RT		5	2.9E-1	8.3E-1
<input type="checkbox"/>	KEGG_PATHWAY	Pyruvate metabolism	RT		6	3.3E-1	8.4E-1
	Annotation Cluster 107	Enrichment Score: 0.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	gastrulation	RT		10	7.6E-2	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gastrulation with mouth forming second	RT		4	3.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gastrulation (sensu Vertebrata)	RT		4	3.9E-1	9.9E-1
	Annotation Cluster 108	Enrichment Score: 0.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Regulator of chromosome condensation, RCC1	RT		5	1.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 2	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 3	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 4	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 5	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:RCC1 1	RT		3	2.2E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Cell division and chromosome partitioning / Cytoskeleton	RT		3	4.3E-1	1.0E0
	Annotation Cluster 109	Enrichment Score: 0.63	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid biosynthetic process	RT		4	1.5E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	aspartate family amino acid metabolic process	RT		4	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound biosynthetic process	RT		12	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid biosynthetic process	RT		7	2.2E-1	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	amino-acid biosynthesis	RT		4	2.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amine biosynthetic process	RT		8	4.4E-1	9.9E-1
	Annotation Cluster 110	Enrichment Score: 0.63	G		Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase (ATP-hydrolyzing) activity	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	DNA topoisomerase activity	RT		3	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA topological change	RT		3	3.1E-1	9.8E-1
Annotation Cluster 111		Enrichment Score: 0.63	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		11	5.9E-3	3.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoclast differentiation	RT		4	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid leukocyte differentiation	RT		4	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	osteoclast differentiation	RT		4	3.7E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Regulation of hematopoiesis by cytokines	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Cytokines and Inflammatory Response	RT		4	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid leukocyte differentiation	RT		5	6.4E-1	1.0E0
Annotation Cluster 112		Enrichment Score: 0.62	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of peptide antigen	RT		7	9.4E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of exogenous antigen	RT		5	1.6E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of peptide or polysaccharide antigen via MHC class II	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of exogenous peptide antigen	RT		4	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of peptide antigen via MHC class II	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation of exogenous peptide antigen via MHC class II	RT		3	4.7E-1	1.0E0
Annotation Cluster 113		Enrichment Score: 0.62	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cyclin-dependent protein kinase activity	RT		3	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein kinase activity	RT		7	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of kinase activity	RT		7	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cyclin-dependent protein kinase activity	RT		4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transferase activity	RT		7	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of catalytic activity	RT		7	4.5E-1	9.9E-1
Annotation Cluster 114		Enrichment Score: 0.61	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microbody	RT		11	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisome	RT		11	2.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	peroxisome	RT		9	3.7E-1	9.8E-1
Annotation Cluster 115		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Target SNARE coiled-coil region	RT		6	5.8E-2	1.0E0
<input type="checkbox"/>	SMART	t SNARE	RT		6	8.2E-2	8.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	SNARE interactions in vesicular transport	RT		6	1.9E-1	7.7E-1
<input type="checkbox"/>	INTERPRO	Syntaxin, N-terminal	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	SynN	RT		3	3.5E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:t-SNARE coiled-coil homology	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Syntaxin/epimorphin coiled-coil	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein transporter activity	RT		10	9.3E-1	1.0E0
Annotation Cluster 116		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	WW/Rsp5/WWP	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:WW	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	SMART	WW	RT		7	3.0E-1	9.6E-1
Annotation Cluster 117		Enrichment Score: 0.59	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activator activity	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase regulator activity	RT		9	2.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	kinase activator activity	RT					3	3.4E-1	1.0E0
	Annotation Cluster 118	Enrichment Score: 0.58	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	vacuolar membrane	RT					4	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	lysosomal membrane	RT					3	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	vacuolar part	RT					4	3.3E-1	1.0E0
	Annotation Cluster 119	Enrichment Score: 0.58	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	basolateral plasma membrane	RT					11	1.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell-matrix junction	RT					6	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	focal adhesion	RT					5	2.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cell-substrate adherens junction	RT					5	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	adherens junction	RT					7	5.0E-1	1.0E0
	Annotation Cluster 120	Enrichment Score: 0.58	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regionalization	RT					17	2.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT					25	2.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anterior/posterior pattern formation	RT					10	4.1E-1	9.9E-1
	Annotation Cluster 121	Enrichment Score: 0.57	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	TPR repeat	RT					16	5.4E-2	7.0E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT					14	7.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT					14	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	TPR	RT					14	1.8E-1	9.0E-1
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR-1	RT					10	2.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 3	RT					7	3.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 1	RT					7	3.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 2	RT					7	3.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 4	RT					5	3.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 7	RT					4	4.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide TPR2	RT					6	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 6	RT					4	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 5	RT					4	4.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:TPR 8	RT					3	5.1E-1	1.0E0
	Annotation Cluster 122	Enrichment Score: 0.56	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	selenium binding	RT					6	1.1E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	selenium	RT					4	3.3E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	selenocysteine	RT					3	5.7E-1	1.0E0
	Annotation Cluster 123	Enrichment Score: 0.56	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Spectrin repeat	RT					7	4.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Actin-binding, actinin-type	RT					6	6.7E-2	1.0E0
<input type="checkbox"/>	SMART	SPEC	RT					7	6.8E-2	8.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	sarcomere	RT					5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	contractile fiber part	RT					5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	myofibril	RT					5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	contractile fiber	RT					5	9.2E-1	1.0E0
	Annotation Cluster 124	Enrichment Score: 0.55	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT					35	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT					28	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT					42	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT					38	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT					48	3.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT					48	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monocarboxylic acid metabolic process	RT					19	6.9E-1	1.0E0

Annotation Cluster 125		Enrichment Score: 0.54		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	viral capsid	RT			4	2.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	virion	RT			4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	virion part	RT			4	3.0E-1	1.0E0
Annotation Cluster 126		Enrichment Score: 0.52		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of growth	RT			7	1.4E-1	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT			12	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell growth	RT			4	3.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell size	RT			4	5.1E-1	1.0E0
Annotation Cluster 127		Enrichment Score: 0.52		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid metabolism	RT			6	1.6E-1	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol metabolic process	RT			9	2.7E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol metabolism	RT			4	3.6E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	sterol metabolic process	RT			9	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	steroid metabolic process	RT			15	4.7E-1	1.0E0
Annotation Cluster 128		Enrichment Score: 0.52		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol transport	RT			4	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	sterol transport	RT			4	2.5E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid transport	RT			9	5.1E-1	1.0E0
Annotation Cluster 129		Enrichment Score: 0.52		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-galactosyltransferase activity	RT			4	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT			11	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	galactosyltransferase activity	RT			4	4.6E-1	1.0E0
Annotation Cluster 130		Enrichment Score: 0.51		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	myelin sheath	RT			3	5.9E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myelination	RT			5	2.8E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ensheathment of neurons	RT			5	3.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	axon ensheathment	RT			5	3.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of action potential	RT			5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT			15	9.8E-1	1.0E0
Annotation Cluster 131		Enrichment Score: 0.5		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT			11	1.7E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT			53	2.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT			19	2.6E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycerophospholipid metabolic process	RT			9	2.7E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT			15	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT			8	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT			58	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT			20	7.7E-1	1.0E0
Annotation Cluster 132		Enrichment Score: 0.49		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	flagellum biogenesis	RT			3	8.8E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	flagellum organization and biogenesis	RT			3	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermatid development	RT			5	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	spermatid differentiation	RT			5	4.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection biogenesis	RT			5	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule cytoskeleton organization and biogenesis	RT			6	8.0E-1	1.0E0
Annotation Cluster 133		Enrichment Score: 0.48		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine family amino acid metabolic process	RT			6	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glutamine metabolic process	RT			4	2.2E-1	9.6E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glutamate metabolism	RT			3	7.9E-1	9.8E-1

Annotation Cluster 134		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	adrenal gland development	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gland development	RT		9	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	endocrine system development	RT		5	6.5E-1	1.0E0
Annotation Cluster 135		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Butyrophilin-like	RT		7	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, B-box	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:B box-type	RT		5	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SP1a/RYanodine receptor SPRY	RT		8	2.5E-1	1.0E0
<input type="checkbox"/>	SMART	BBOX	RT		8	2.8E-1	9.6E-1
<input type="checkbox"/>	INTERPRO	B302, (SPRY)-like	RT		8	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:B30.2/SPRY	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	SMART	SPRY	RT		8	4.2E-1	9.8E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001733:rfp transforming protein	RT		4	5.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SPRY-associated	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	SMART	PRY	RT		3	8.5E-1	1.0E0
Annotation Cluster 136		Enrichment Score: 0.47	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine binding	RT		12	1.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	interleukin receptor activity	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	interleukin binding	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine receptor	RT		3	5.9E-1	1.0E0
Annotation Cluster 137		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organism growth	RT		9	8.2E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organism growth	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of growth	RT		3	8.0E-1	1.0E0
Annotation Cluster 138		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process, deadenylation-dependent decay	RT		3	1.2E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mRNA stability	RT		3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of RNA stability	RT		3	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of RNA metabolic process	RT		3	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA catabolic process	RT		4	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA catabolic process	RT		4	6.5E-1	1.0E0
Annotation Cluster 139		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	Rab GTPase binding	RT		5	8.6E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase binding	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase binding	RT		6	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase binding	RT		6	6.1E-1	1.0E0
Annotation Cluster 140		Enrichment Score: 0.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000615:tyrosine-protein kinase, CSF-1/PDGF receptor type	RT		4	1.1E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Receptor tyrosine kinase, class III, conserved region	RT		4	4.8E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 2	RT		12	1.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 1	RT		12	1.3E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific protein kinase	RT		7	2.2E-1	9.3E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 3	RT		8	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor protein tyrosine kinase activity	RT		8	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT		34	5.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 5	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT		15	5.7E-1	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 4	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin V-set	RT		14	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT		18	7.4E-1	1.0E0
<input type="checkbox"/>	SMART	IG	RT		21	8.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT		27	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT		26	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT		9	9.7E-1	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT		10	9.8E-1	1.0E0
Annotation Cluster 141		Enrichment Score: 0.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Guanylate kinase	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Guanylate kinase/L-type calcium channel region	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	SMART	GuKc	RT		4	4.0E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Guanylate kinase-like	RT		3	4.5E-1	1.0E0
Annotation Cluster 142		Enrichment Score: 0.44	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT		43	3.8E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cation homeostasis	RT		15	1.7E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation homeostasis	RT		13	2.3E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular cation homeostasis	RT		14	2.3E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT		26	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular di-, tri-valent inorganic cation homeostasis	RT		12	3.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT		24	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT		19	4.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT		17	4.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT		17	4.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	elevation of cytosolic calcium ion concentration	RT		3	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytosolic calcium ion homeostasis	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metal ion homeostasis	RT		7	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion homeostasis	RT		7	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular calcium ion homeostasis	RT		6	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	calcium ion homeostasis	RT		6	7.4E-1	1.0E0
Annotation Cluster 143		Enrichment Score: 0.44	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Guanine-nucleotide dissociation stimulator CDC25	RT		5	1.6E-1	1.0E0
<input type="checkbox"/>	SMART	RasGEF	RT		5	2.1E-1	9.2E-1
<input type="checkbox"/>	INTERPRO	Ras guanine nucleotide exchange factor	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Guanine nucleotide exchange factor for Ras-like GTPases, N-terminal	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	SMART	RasGEFN	RT		3	7.0E-1	1.0E0
Annotation Cluster 144		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 1	RT		11	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 2	RT		11	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 9	RT		3	2.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 7	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 8	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ank repeat	RT		19	3.3E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 5	RT		7	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 3	RT		9	3.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ankyrin	RT		18	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 4	RT		7	4.7E-1	1.0E0

<input type="checkbox"/>	SMART	ANK	RT		20	5.5E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 6	RT		4	6.6E-1	1.0E0
	Annotation Cluster 145	Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte homeostasis	RT		4	2.7E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of B cell activation	RT		6	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte homeostasis	RT		4	4.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	homeostasis of number of cells	RT		4	4.8E-1	1.0E0
	Annotation Cluster 146	Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	synaptosome	RT		5	1.4E-1	8.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	synaptosome	RT		6	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	synapse	RT		13	7.4E-1	1.0E0
	Annotation Cluster 147	Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte mediated immunity	RT		11	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated cytotoxicity	RT		4	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell killing	RT		4	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of leukocyte mediated cytotoxicity	RT		3	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell killing	RT		3	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated immunity	RT		11	4.1E-1	9.9E-1
	Annotation Cluster 148	Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT		20	2.8E-1	9.6E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT		13	3.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Src homology-3	RT		18	4.2E-1	1.0E0
<input type="checkbox"/>	SMART	SH3	RT		19	5.7E-1	9.9E-1
	Annotation Cluster 149	Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		17	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		17	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		12	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		27	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		37	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		22	8.0E-1	1.0E0
	Annotation Cluster 150	Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	dioxygenase activity	RT		7	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen	RT		7	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen	RT		7	3.9E-1	1.0E0
	Annotation Cluster 151	Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Metal-dependent phosphohydrolase, HD region	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	3',5'-cyclic-nucleotide phosphodiesterase activity	RT		4	2.9E-1	1.0E0
<input type="checkbox"/>	SMART	HDc	RT		4	3.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cyclic-nucleotide phosphodiesterase activity	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	3'5'-cyclic nucleotide phosphodiesterase	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric diester hydrolase activity	RT		5	8.3E-1	1.0E0
	Annotation Cluster 152	Enrichment Score: 0.41	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	platelet activation	RT		4	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemostasis	RT		8	3.0E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	blood coagulation	RT		7	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coagulation	RT		7	4.3E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	blood coagulation	RT		4	5.4E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of body fluid levels	RT		8	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	wound healing	RT		8	7.1E-1	1.0E0
		Annotation Cluster 153	Enrichment Score: 0.41	G			
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT		25	1.1E-1	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT		16	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT		22	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT		19	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT		22	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT		47	5.7E-1	1.0E0
		Annotation Cluster 154	Enrichment Score: 0.41	G			
<input type="checkbox"/>	GOTERM_BP_ALL	rhythmic process	RT		14	2.5E-2	6.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle phase	RT		6	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle process	RT		6	1.9E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ovulation from ovarian follicle	RT		3	2.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ovulation	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female gonad development	RT		6	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary female sexual characteristics	RT		6	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female sex differentiation	RT		6	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle	RT		6	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female gamete generation	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT		6	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ovarian follicle development	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT		6	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT		9	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process in a multicellular organism	RT		7	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism reproduction	RT		7	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT		8	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT		6	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	epithelial cell differentiation	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT		16	9.2E-1	1.0E0
		Annotation Cluster 155	Enrichment Score: 0.41	G			
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT		35	1.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT		34	1.9E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoplasmic vesicle	RT		15	2.3E-1	9.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT		23	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT		22	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synaptic vesicle	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin-coated vesicle	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle	RT		8	8.9E-1	1.0E0
		Annotation Cluster 156	Enrichment Score: 0.4	G			
<input type="checkbox"/>	INTERPRO	NF-kappa-B/Rel/dorsal	RT		3	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Rel homology	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Cell surface receptor IPT/TIG	RT		4	5.7E-1	1.0E0
<input type="checkbox"/>	SMART	IPT	RT		4	6.6E-1	1.0E0
		Annotation Cluster 157	Enrichment Score: 0.39	G			
<input type="checkbox"/>	BIOCARTA	AKT Signaling Pathway	RT		7	2.6E-2	9.8E-1
<input type="checkbox"/>	BIOCARTA	NFkB activation by Nontypeable Hemophilus influenzae	RT		8	4.3E-2	9.6E-1
<input type="checkbox"/>	BIOCARTA	Acetylation and Deacetylation of RelA in The Nucleus	RT		5	1.2E-1	9.9E-1

<input type="checkbox"/>	BIOCARTA	Activation of PKC through G protein coupled receptor	RT		3	1.6E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Erythropoietin mediated neuroprotection through NF-kB	RT		4	2.0E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Double Stranded RNA Induced Gene Expression	RT		3	3.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	ATM Signaling Pathway	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	The 4-1BB-dependent immune response	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Signal transduction through IL1R	RT		5	4.4E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Influence of Ras and Rho proteins on G1 to S Transition	RT		5	4.4E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Induction of apoptosis through DR3 and DR4/5 Death Receptors	RT		5	4.7E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	CD40L Signaling Pathway	RT		3	5.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Cadmium induces DNA synthesis and proliferation in macrophages	RT		3	5.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	TNF/Stress Related Signaling	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	CXCR4 Signaling Pathway	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Inactivation of Gsk3 by AKT causes accumulation of b-catenin in Alveolar Macrophages	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	HIV-1 Nef	RT		7	6.5E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	TNFR2 Signaling Pathway	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Neuropeptides VIP and PACAP inhibit the apoptosis of activated T cells	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	fMLP induced chemokine gene expression in HMC-1 cells	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	NF-kB Signaling Pathway	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	T Cell Receptor Signaling Pathway	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Keratinocyte Differentiation	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	MAPKinase Signaling Pathway	RT		4	1.0E0	1.0E0
	Annotation Cluster 158	Enrichment Score: 0.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Heparin-binding	RT		4	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT		8	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT		11	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT		10	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT		8	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	heparin-binding	RT		5	7.1E-1	1.0E0
	Annotation Cluster 159	Enrichment Score: 0.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT		16	2.2E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myoblast differentiation	RT		3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT		12	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT		9	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT		18	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT		6	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT		6	7.4E-1	1.0E0
	Annotation Cluster 160	Enrichment Score: 0.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C2	RT		6	2.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C2 calcium-dependent membrane targeting	RT		12	4.7E-1	1.0E0
<input type="checkbox"/>	SMART	C2	RT		12	6.5E-1	1.0E0
	Annotation Cluster 161	Enrichment Score: 0.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	ubiquitin ligase complex	RT		7	2.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		34	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		13	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen	RT		10	3.8E-1	1.0E0














































					Count	P_Value	Benjamini
<input type="checkbox"/>		bonds	RT		10	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		13	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		13	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		14	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	UBCc	RT		6	5.0E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT		19	7.9E-1	1.0E0
	Annotation Cluster 162	Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		15	2.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		15	2.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		15	2.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		24	2.5E-1	9.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 5	RT		12	4.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		12	5.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 6	RT		9	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		16	7.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 7	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		19	7.9E-1	1.0E0
	Annotation Cluster 163	Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Phox-like	RT		6	3.4E-1	1.0E0
<input type="checkbox"/>	SMART	PX	RT		6	4.3E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PX	RT		3	5.4E-1	1.0E0
	Annotation Cluster 164	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome, pericentric region	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT		6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome, pericentric region	RT		4	9.3E-1	1.0E0
	Annotation Cluster 165	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	PTEN dependent cell cycle arrest and apoptosis	RT		5	2.7E-1	9.9E-1
<input type="checkbox"/>	BIOCARTA	Skeletal muscle hypertrophy is regulated via AKT/mTOR pathway	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	mTOR Signaling Pathway	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Regulation of eIF4e and p70 S6 Kinase	RT		3	7.2E-1	1.0E0
	Annotation Cluster 166	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Propanoate metabolism	RT		5	2.9E-1	8.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors	RT		5	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Valine, leucine and isoleucine degradation	RT		5	5.3E-1	9.1E-1
	Annotation Cluster 167	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein oligomerization	RT		7	2.7E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein homooligomerization	RT		5	3.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT		12	8.8E-1	1.0E0
	Annotation Cluster 168	Enrichment Score: 0.35	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Calmodulin-binding	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin-dependent protein kinase activity	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin binding	RT		11	5.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	calmodulin-binding	RT		9	5.8E-1	1.0E0
	Annotation Cluster 169	Enrichment Score: 0.35	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	carbon-carbon lyase activity	RT		8	9.4E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	carboxy-lyase activity	RT		4	5.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	decarboxylase	RT		3	6.1E-1	1.0E0

<input type="checkbox"/>	Annotation	Term	RT		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	lyase activity	RT		14	7.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lyase	RT		9	7.9E-1	1.0E0
	Annotation Cluster 170	Enrichment Score: 0.35	G		Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	RhoGAP	RT		6	3.1E-1	1.0E0
<input type="checkbox"/>	SMART	RhoGAP	RT		6	4.3E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Rho-GAP	RT		3	6.8E-1	1.0E0
	Annotation Cluster 171	Enrichment Score: 0.34	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT		47	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT		59	1.8E-1	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT		27	3.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		32	4.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT		20	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-specific protease activity	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein-specific protease activity	RT		7	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		14	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		14	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		13	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	thiolester hydrolase activity	RT		8	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin thiolesterase activity	RT		6	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		13	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		13	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		23	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C19, ubiquitin carboxyl-terminal hydrolase 2	RT		4	7.5E-1	1.0E0
	Annotation Cluster 172	Enrichment Score: 0.34	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT		12	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT		17	4.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		10	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		20	5.2E-1	1.0E0
	Annotation Cluster 173	Enrichment Score: 0.34	G		Count	P-Value	Benjamini
<input type="checkbox"/>	INTERPRO	Kelch related	RT		9	6.7E-2	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/Kelch-associated	RT		5	4.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Kelch-type beta propeller	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	kelch repeat	RT		4	7.2E-1	1.0E0
<input type="checkbox"/>	SMART	Kelch	RT		5	8.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Kelch repeat type 1	RT		3	9.0E-1	1.0E0
	Annotation Cluster 174	Enrichment Score: 0.33	G		Count	P-Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Cell attachment site	RT		9	1.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	von Willebrand factor, type C	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	SMART	VWC	RT		3	8.8E-1	1.0E0
	Annotation Cluster 175	Enrichment Score: 0.33	G		Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	detection of biotic stimulus	RT		3	2.8E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	detection of external stimulus	RT		7	3.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	detection of stimulus	RT		7	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	detection of light stimulus	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	detection of abiotic stimulus	RT		4	7.6E-1	1.0E0
	Annotation Cluster 176	Enrichment Score: 0.33	G		Count	P-Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:NTR	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Netrin, C-terminal	RT		3	4.6E-1	1.0E0

<input type="checkbox"/>	SMART	C345C	RT					3	5.2E-1	9.9E-1
	Annotation Cluster 177	Enrichment Score: 0.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Retinoid X receptor	RT					3	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	tRNA-pseudouridine synthase activity	RT					3	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	intramolecular transferase activity	RT					4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pseudouridine synthase activity	RT					3	6.0E-1	1.0E0
	Annotation Cluster 178	Enrichment Score: 0.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosidase	RT					7	3.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on glycosyl bonds	RT					11	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, hydrolyzing O-glycosyl compounds	RT					9	5.6E-1	1.0E0
	Annotation Cluster 179	Enrichment Score: 0.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of I-kappaB kinase/NF-kappaB cascade	RT					6	2.9E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	I-kappaB kinase/NF-kappaB cascade	RT					8	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of I-kappaB kinase/NF-kappaB cascade	RT					4	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of signal transduction	RT					9	7.1E-1	1.0E0
	Annotation Cluster 180	Enrichment Score: 0.33	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT					11	3.2E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	O-Glycan biosynthesis	RT					4	3.9E-1	8.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT					8	8.6E-1	9.9E-1
	Annotation Cluster 181	Enrichment Score: 0.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT					15	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT					16	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte differentiation	RT					11	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alpha-beta T cell activation	RT					4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell differentiation	RT					6	7.5E-1	1.0E0
	Annotation Cluster 182	Enrichment Score: 0.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	antigen processing and presentation	RT					13	3.1E-2	6.7E-1
<input type="checkbox"/>	INTERPRO	MHC class I-like antigen recognition	RT					5	3.9E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Antigen processing and presentation	RT					9	4.5E-1	8.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	MHC protein complex	RT					5	4.9E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001990:class I histocompatibility antigen	RT					3	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin C1-set	RT					6	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	MHC class I, alpha chain, alpha1 and alpha2	RT					3	7.1E-1	1.0E0
<input type="checkbox"/>	SMART	IGc1	RT					6	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	MHC class I protein complex	RT					3	7.6E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Type I diabetes mellitus	RT					5	8.0E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Immunoglobulin/major histocompatibility complex motif	RT					6	8.3E-1	1.0E0
	Annotation Cluster 183	Enrichment Score: 0.32	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif: BH3	RT					3	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Apoptosis regulator Bcl-2, BH	RT					3	5.2E-1	1.0E0
<input type="checkbox"/>	SMART	BCL	RT					3	6.1E-1	1.0E0
	Annotation Cluster 184	Enrichment Score: 0.31	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	2Fe-2S	RT					3	3.7E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron-sulfur	RT					5	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	2 iron, 2 sulfur cluster binding	RT					3	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal cluster binding	RT					5	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	iron-sulfur cluster binding	RT					5	6.1E-1	1.0E0
	Annotation Cluster 185	Enrichment Score: 0.31	G					Count	P_Value	Benjamini

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus, translocation	RT		5	3.5E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein import into nucleus	RT		7	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear import	RT		7	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein import	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleocytoplasmic transport	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear transport	RT		7	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein targeting	RT		15	9.6E-1	1.0E0
Annotation Cluster 186		Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Bile acid biosynthesis	RT		6	1.8E-1	7.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Lysine degradation	RT		4	7.3E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Butanoate metabolism	RT		3	9.4E-1	1.0E0
Annotation Cluster 187		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	coenzyme binding	RT		13	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	FAD binding	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cofactor binding	RT		16	6.4E-1	1.0E0
Annotation Cluster 188		Enrichment Score: 0.3	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:FERM	RT		5	2.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	FERM-type 3-helical bundle	RT		5	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ezrin/radixin/moesin ERM	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Band 4.1, N-terminal	RT		4	7.4E-1	1.0E0
<input type="checkbox"/>	SMART	B41	RT		4	8.4E-1	1.0E0
Annotation Cluster 189		Enrichment Score: 0.29	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microbody membrane	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisomal membrane	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microbody part	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisomal part	RT		3	5.4E-1	1.0E0
Annotation Cluster 190		Enrichment Score: 0.29	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	glucose transmembrane transporter activity	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate transmembrane transporter activity	RT		6	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hexose transmembrane transporter activity	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monosaccharide transmembrane transporter activity	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT		8	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sugar:hydrogen ion symporter activity	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sugar transmembrane transporter activity	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	secondary active transmembrane transporter activity	RT		16	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sugar transport	RT		3	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	symporter activity	RT		11	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		26	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Symport	RT		6	8.6E-1	1.0E0
Annotation Cluster 191		Enrichment Score: 0.29	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle docking during exocytosis	RT		3	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	membrane docking	RT		3	4.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle docking	RT		3	4.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	exocytosis	RT		6	9.2E-1	1.0E0
Annotation Cluster 192		Enrichment Score: 0.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	ABC transporters - General	RT		7	1.5E-1	6.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 2	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP 1	RT		3	4.5E-1	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 1	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:ABC transporter 2	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide binding	RT		8	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	P-loop	RT		8	5.7E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Nuclear Receptors in Lipid Metabolism and Toxicity	RT		5	5.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ABC transporter related	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	AAA	RT		6	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	AAA+ ATPase, core	RT		4	9.5E-1	1.0E0
Annotation Cluster 193		Enrichment Score: 0.28	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	PDZ/DHR/GLGF	RT		13	3.8E-1	1.0E0
<input type="checkbox"/>	SMART	PDZ	RT		13	5.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:PDZ	RT		6	6.6E-1	1.0E0
Annotation Cluster 194		Enrichment Score: 0.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	dystrophin-associated glycoprotein complex	RT		3	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basal lamina	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basement membrane	RT		6	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix part	RT		6	9.4E-1	1.0E0
Annotation Cluster 195		Enrichment Score: 0.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	ubiquitin ligase complex	RT		7	2.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein ubiquitination	RT		5	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification by small protein conjugation	RT		5	8.2E-1	1.0E0
Annotation Cluster 196		Enrichment Score: 0.27	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	Multi-Drug Resistance Factors	RT		3	1.1E-1	9.9E-1
<input type="checkbox"/>	KEGG_PATHWAY	ABC transporters - General	RT		7	1.5E-1	6.9E-1
<input type="checkbox"/>	INTERPRO	ABC transporter, transmembrane region, type 1	RT		4	3.9E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Defense mechanisms	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	ABC transporter, transmembrane region	RT		3	5.2E-1	1.0E0
<input type="checkbox"/>	BIOCARTA	Nuclear Receptors in Lipid Metabolism and Toxicity	RT		5	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		10	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		10	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances	RT		10	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		10	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		10	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	RT		4	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		5	9.7E-1	1.0E0
Annotation Cluster 197		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	GPS	RT		4	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	GPS	RT		4	4.8E-1	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:GPS	RT		3	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuropeptide signaling pathway	RT		8	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	GPCR, family 2, secretin-like	RT		4	8.0E-1	1.0E0
Annotation Cluster 198		Enrichment Score: 0.26	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	aminopeptidase activity	RT		5	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	exopeptidase activity	RT		9	6.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminopeptidase	RT		3	6.4E-1	1.0E0

Annotation Cluster 199		Enrichment Score: 0.25		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome part	RT			8	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT			6	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	condensed nuclear chromosome	RT			4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromosome	RT			8	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear chromatin	RT			3	7.3E-1	1.0E0
Annotation Cluster 200		Enrichment Score: 0.25		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT			36	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT			6	4.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT			24	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT			18	6.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT			14	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT			15	7.9E-1	1.0E0
Annotation Cluster 201		Enrichment Score: 0.25		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT			20	2.3E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT			60	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT			57	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT			36	7.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT			35	8.6E-1	1.0E0
Annotation Cluster 202		Enrichment Score: 0.24		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	somatic recombination of immunoglobulin gene segments	RT			4	4.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin production	RT			5	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	production of molecular mediator of immune response	RT			5	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic cell DNA recombination	RT			4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors via germline recombination within a single locus	RT			4	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immunoglobulins	RT			4	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immune receptors	RT			4	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	isotype switching	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin production during immune response	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic recombination of immunoglobulin genes during immune response	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	somatic diversification of immunoglobulins during immune response	RT			3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immunoglobulin mediated immune response	RT			7	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	B cell mediated immunity	RT			7	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA recombination	RT			5	9.4E-1	1.0E0
Annotation Cluster 203		Enrichment Score: 0.24		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	axon guidance	RT			10	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT			21	3.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT			23	4.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT			28	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	axonogenesis	RT			15	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite morphogenesis	RT			16	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron morphogenesis during differentiation	RT			16	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT			57	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT			45	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT			45	6.1E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT				29	6.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT				31	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT				17	6.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT				24	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT				24	7.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT				24	7.2E-1	1.0E0	
	Annotation Cluster 204	Enrichment Score: 0.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biosynthetic process	RT				5	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of translation	RT				4	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular biosynthetic process	RT				4	5.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT				7	7.8E-1	1.0E0	
	Annotation Cluster 205	Enrichment Score: 0.24	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	iron ion binding	RT				29	4.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron	RT				22	5.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT				10	7.2E-1	1.0E0	
	Annotation Cluster 206	Enrichment Score: 0.23	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression, epigenetic	RT				6	5.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA methylation	RT				3	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA alkylation	RT				3	5.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA modification	RT				3	6.5E-1	1.0E0	
	Annotation Cluster 207	Enrichment Score: 0.22	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	translation elongation factor activity	RT				5	2.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Elongation factor	RT				4	3.3E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	translation factor activity, nucleic acid binding	RT				11	6.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	translation regulator activity	RT				11	6.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	initiation factor	RT				5	8.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	translation initiation factor activity	RT				5	9.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein biosynthesis	RT				5	1.0E0	1.0E0	
	Annotation Cluster 208	Enrichment Score: 0.22	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity, G-protein coupled	RT				9	1.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide receptor activity	RT				9	1.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	P2 purinoceptor	RT				3	4.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	g-protein coupled receptor	RT				28	8.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT				31	8.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein coupled receptor activity	RT				34	8.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	rhodopsin-like receptor activity	RT				27	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor activity	RT				60	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein coupled receptor protein signaling pathway	RT				47	9.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Rhodopsin-like GPCR superfamily	RT				14	9.9E-1	1.0E0	
	Annotation Cluster 209	Enrichment Score: 0.21	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific phosphatase	RT				4	3.8E-1	9.8E-1	
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, receptor/non-receptor type	RT				5	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT				55	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein tyrosine phosphatase activity	RT				9	5.0E-1	1.0E0	
<input type="checkbox"/>	SMART	PTPc	RT				5	5.1E-1	9.9E-1	
<input type="checkbox"/>	INTERPRO	Protein-tyrosine phosphatase, Tyr-specific/dual-specificity type	RT				8	5.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoprotein phosphatase activity	RT				13	6.6E-1	1.0E0	

<input type="checkbox"/>	SP_PIR_KEYWORDS	protein phosphatase	RT		9	6.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Phosphocysteine intermediate	RT		5	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid dephosphorylation	RT		10	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric monoester hydrolase activity	RT		19	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphoric monoester hydrolase	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoric ester hydrolase activity	RT		23	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	dephosphorylation	RT		10	8.6E-1	1.0E0
	Annotation Cluster 210	Enrichment Score: 0.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translational initiation	RT		4	2.7E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	translation regulation	RT		4	4.5E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	translational initiation	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein-RNA complex assembly	RT		6	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoprotein complex biogenesis and assembly	RT		6	1.0E0	1.0E0
	Annotation Cluster 211	Enrichment Score: 0.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	BIOCARTA	TGF beta signaling pathway	RT		4	3.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Adherens junction	RT		8	5.0E-1	9.0E-1
<input type="checkbox"/>	BIOCARTA	WNT Signaling Pathway	RT		3	8.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Cell cycle	RT		6	9.7E-1	1.0E0
	Annotation Cluster 212	Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to UV	RT		4	4.4E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to radiation	RT		10	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide-excision repair	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to light stimulus	RT		7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to abiotic stimulus	RT		14	7.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT		8	9.3E-1	1.0E0
	Annotation Cluster 213	Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	aminotransferase	RT		3	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transaminase activity	RT		4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring nitrogenous groups	RT		4	6.8E-1	1.0E0
	Annotation Cluster 214	Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT		28	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT		23	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT		16	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT		16	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		37	7.5E-1	1.0E0
	Annotation Cluster 215	Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Cyclin	RT		4	5.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Cyclin-related	RT		4	5.5E-1	1.0E0
<input type="checkbox"/>	SMART	CYCLIN	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Cyclin, N-terminal	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cyclin	RT		5	8.2E-1	1.0E0
	Annotation Cluster 216	Enrichment Score: 0.19	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	muscle system process	RT		9	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle contraction	RT		9	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of muscle contraction	RT		3	8.2E-1	1.0E0
	Annotation Cluster 217	Enrichment Score: 0.18	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate transport	RT		8	4.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glucose transport	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose transport	RT		3	7.8E-1	1.0E0



















































<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide transport	RT					3	7.8E-1	1.0E0
	Annotation Cluster 218	Enrichment Score: 0.18	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Ras small GTPase, Rab type	RT					8	2.3E-1	1.0E0
<input type="checkbox"/>	SMART	RAB	RT					8	3.3E-1	9.6E-1
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001710:Ras-related protein Rab	RT					7	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-geranylgeranyl cysteine	RT					8	6.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT					10	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	prenylation	RT					11	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Small GTP-binding protein domain	RT					11	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT					25	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT					25	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT					25	8.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Effector region	RT					6	8.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT					10	8.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:GTP	RT					14	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT					18	9.4E-1	1.0E0
	Annotation Cluster 219	Enrichment Score: 0.17	G					Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF036848:conserved protein with F-box/LRR-repeat, Skp2 type	RT					3	9.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:F-box	RT					7	2.5E-1	1.0E0
<input type="checkbox"/>	SMART	FBOX	RT					8	3.7E-1	9.7E-1
<input type="checkbox"/>	INTERPRO	Cyclin-like F-box	RT					7	4.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 3	RT					7	8.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 12	RT					3	8.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 1	RT					7	8.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 2	RT					7	8.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	leucine-rich repeat	RT					15	8.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 4	RT					6	8.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 11	RT					3	9.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 5	RT					5	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 10	RT					3	9.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 9	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 8	RT					3	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 7	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:LRR 6	RT					3	9.9E-1	1.0E0
	Annotation Cluster 220	Enrichment Score: 0.17	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur amino acid metabolic process	RT					3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur metabolic process	RT					7	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur compound biosynthetic process	RT					3	9.0E-1	1.0E0
	Annotation Cluster 221	Enrichment Score: 0.16	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	hexose biosynthetic process	RT					3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide biosynthetic process	RT					3	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol biosynthetic process	RT					3	7.1E-1	1.0E0
	Annotation Cluster 222	Enrichment Score: 0.16	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	photoreceptor cell maintenance	RT					3	2.4E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT					13	1.0E0	1.0E0
	Annotation Cluster 223	Enrichment Score: 0.16	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Calcium-binding EF-hand	RT					16	6.1E-1	1.0E0

<input type="checkbox"/>	INTERPRO	EF-Hand type	RT		15	6.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:2	RT		7	6.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 1	RT		9	7.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	calcium-binding region:1	RT		7	7.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 2	RT		9	7.3E-1	1.0E0	
<input type="checkbox"/>	SMART	EFh	RT		16	8.3E-1	1.0E0	
		Annotation Cluster 224	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	synapse	RT		22	4.5E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	synapse	RT		13	7.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	cell junction	RT		30	7.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell junction	RT		18	9.5E-1	1.0E0	
		Annotation Cluster 225	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, ATP-dependent, DEAH-box type	RT		4	3.9E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SNF2-related	RT		4	4.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	helicase	RT		11	4.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	helicase activity	RT		12	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ATP-dependent helicase activity	RT		8	7.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	DNA/RNA helicase, C-terminal	RT		6	8.2E-1	1.0E0	
<input type="checkbox"/>	SMART	DEXDc	RT		8	8.3E-1	1.0E0	
<input type="checkbox"/>	SMART	HELICc	RT		7	8.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Helicase, superfamily 1 and 2, ATP-binding	RT		6	8.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	DEAD-like helicase, N-terminal	RT		6	8.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase C-terminal	RT		3	9.4E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Helicase ATP-binding	RT		3	9.5E-1	1.0E0	
		Annotation Cluster 226	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Heat shock protein DnaJ, N-terminal	RT		5	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	heat shock protein binding	RT		6	5.4E-1	1.0E0	
<input type="checkbox"/>	SMART	DnaJ	RT		5	6.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:J	RT		3	7.0E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Molecular chaperone, heat shock protein, Hsp40, DnaJ	RT		3	7.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	chaperone	RT		5	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein folding	RT		8	1.0E0	1.0E0	
		Annotation Cluster 227	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT		110	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT		46	8.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT		47	8.4E-1	1.0E0	
		Annotation Cluster 228	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000050:cytochrome P450 CYP4B1	RT		3	1.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT		10	7.2E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Cytochrome P450	RT		6	7.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Cytochrome P450, E-class, group I	RT		5	8.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	monooxygenase	RT		6	9.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	tetrapyrrole binding	RT		10	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	heme binding	RT		10	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	monooxygenase activity	RT		6	9.8E-1	1.0E0	
		Annotation Cluster 229	Enrichment Score: 0.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	circulatory system process	RT		12	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood circulation	RT		12	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of blood vessel size	RT		4	7.6E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of tube size	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vascular process in circulatory system	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heart process	RT		4	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	heart contraction	RT		4	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of blood pressure	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of heart contraction	RT		3	8.9E-1	1.0E0
Annotation Cluster 230		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Sterile alpha motif homology 2	RT		4	5.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SAM	RT		4	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif SAM	RT		6	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	SAM	RT		6	8.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif-type	RT		4	9.0E-1	1.0E0
Annotation Cluster 231		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	glutathione transferase activity	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glutathione metabolism	RT		4	6.6E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring alkyl or aryl (other than methyl) groups	RT		5	7.3E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Metabolism of xenobiotics by cytochrome P450	RT		4	9.4E-1	1.0E0
Annotation Cluster 232		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Fructose and mannose metabolism	RT		6	3.6E-1	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		12	3.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate catabolic process	RT		7	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate catabolic process	RT		6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycolysis	RT		4	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycolysis	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose catabolic process	RT		4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide catabolic process	RT		4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose catabolic process	RT		4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol catabolic process	RT		4	9.3E-1	1.0E0
Annotation Cluster 233		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT		6	4.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT		7	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of actin filament depolymerization	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament capping	RT		3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament depolymerization	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament depolymerization	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component size	RT		4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT		7	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein depolymerization	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin polymerization and/or depolymerization	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin cytoskeleton organization and biogenesis	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament length	RT		3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytoskeleton organization and biogenesis	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of organelle organization and biogenesis	RT		3	9.1E-1	1.0E0
Annotation Cluster 234		Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	amino sugar metabolic process	RT		4	4.6E-1	9.9E-1



































<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cellular polysaccharide metabolic process	RT		3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	polysaccharide metabolic process	RT		3	9.5E-1	1.0E0
	Annotation Cluster 235	Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphatidylinositol linkage	RT		3	3.0E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:GPI-anchor amidated serine	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	gpi-anchor	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GPI anchor binding	RT		7	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Removed in mature form	RT		8	9.8E-1	1.0E0
	Annotation Cluster 236	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube development	RT		6	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube formation	RT		4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate morphogenesis	RT		4	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural plate development	RT		4	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic epithelial tube formation	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube closure	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	primary neural tube formation	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of embryonic epithelium	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of an epithelium	RT		7	9.4E-1	1.0E0
	Annotation Cluster 237	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	secondary metabolic process	RT		5	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	pigment biosynthetic process	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	pigment metabolic process	RT		3	8.4E-1	1.0E0
	Annotation Cluster 238	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial outer membrane	RT		3	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle outer membrane	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	outer membrane	RT		6	8.1E-1	1.0E0
	Annotation Cluster 239	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT		17	6.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Type II antifreeze protein	RT		4	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT		13	7.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:C-type lectin	RT		4	8.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C-type lectin	RT		8	8.8E-1	1.0E0
<input type="checkbox"/>	SMART	CLECT	RT		9	8.9E-1	1.0E0
	Annotation Cluster 240	Enrichment Score: 0.12	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT		45	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		45	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		44	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		42	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		24	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		20	8.5E-1	1.0E0
	Annotation Cluster 241	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to bacterium	RT		8	6.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	antimicrobial	RT		4	7.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	antibiotic	RT		3	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	defense response to bacterium	RT		4	9.2E-1	1.0E0
	Annotation Cluster 242	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		14	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		14	6.2E-1	1.0E0
<input type="checkbox"/>	SMART	RRM	RT		16	7.8E-1	1.0E0

<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT					25	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	RNA binding	RT					34	1.0E0	1.0E0
	Annotation Cluster 243	Enrichment Score: 0.1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	Long-term potentiation	RT					6	7.3E-1	9.7E-1
<input type="checkbox"/>	KEGG_PATHWAY	Melanogenesis	RT					8	7.9E-1	9.8E-1
<input type="checkbox"/>	KEGG_PATHWAY	Wnt signaling pathway	RT					11	8.4E-1	9.9E-1
	Annotation Cluster 244	Enrichment Score: 0.1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	kinesin complex	RT					5	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	microtubule motor activity	RT					6	7.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Kinesin, motor region	RT					3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule associated complex	RT					7	8.7E-1	1.0E0
<input type="checkbox"/>	SMART	KISc	RT					3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT					8	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	motor activity	RT					8	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	motor protein	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based movement	RT					3	1.0E0	1.0E0
	Annotation Cluster 245	Enrichment Score: 0.1	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT					6	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT					10	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT					18	1.0E0	1.0E0
	Annotation Cluster 246	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell recognition	RT					5	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	single fertilization	RT					3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	fertilization	RT					3	9.6E-1	1.0E0
	Annotation Cluster 247	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT					59	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT					105	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT					29	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT					65	9.8E-1	1.0E0
	Annotation Cluster 248	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle membrane	RT					7	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle part	RT					6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle membrane	RT					4	9.3E-1	1.0E0
	Annotation Cluster 249	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT					139	5.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT					188	6.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT					242	6.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT					138	8.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT					181	9.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT					156	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT					154	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT					159	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT					180	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT					163	1.0E0	1.0E0
	Annotation Cluster 250	Enrichment Score: 0.09	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube development	RT					6	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT					14	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT					13	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT					5	1.0E0	1.0E0

Annotation Cluster 251		Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	interphase of mitotic cell cycle	RT		6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	interphase	RT		6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of meiotic cell cycle	RT		7	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	meiosis	RT		7	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	meiotic cell cycle	RT		7	6.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Meiosis	RT		3	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G1/S transition of mitotic cell cycle	RT		3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle phase	RT		17	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase	RT		13	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mitotic cell cycle	RT		12	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell division	RT		8	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell division	RT		11	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mitosis	RT		4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mitosis	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	M phase of mitotic cell cycle	RT		7	1.0E0	1.0E0
Annotation Cluster 252		Enrichment Score: 0.09	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	pyridine nucleotide metabolic process	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin metabolic process	RT		5	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin metabolic process	RT		3	9.3E-1	1.0E0
Annotation Cluster 253		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	hormone biosynthetic process	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hormone metabolic process	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	steroid biosynthetic process	RT		4	9.6E-1	1.0E0
Annotation Cluster 254		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular fraction	RT		13	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT		12	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	microsome	RT		5	9.7E-1	1.0E0
Annotation Cluster 255		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:4	RT		6	7.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:5	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:7	RT		4	7.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:3	RT		7	7.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:6	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:8	RT		3	8.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:1	RT		7	9.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:2	RT		7	9.3E-1	1.0E0
Annotation Cluster 256		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	viral nucleoprotein	RT		4	5.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ribonucleoprotein	RT		5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		10	1.0E0	1.0E0
Annotation Cluster 257		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 1	RT		8	3.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 2	RT		6	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EGF-like 3	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Aspartic acid and asparagine hydroxylation site	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like calcium-binding	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF	RT		11	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like	RT		7	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like, type 3	RT		10	9.7E-1	1.0E0

<input type="checkbox"/>	INTERPRO	EGF calcium-binding	RT		3	9.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like region	RT		14	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	EGF_CA	RT		5	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	egf-like domain	RT		11	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	EGF	RT		11	9.8E-1	1.0E0
Annotation Cluster 258		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic anion transmembrane transporter activity	RT		4	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	anion transmembrane transporter activity	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anion transport	RT		7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inorganic anion transport	RT		5	1.0E0	1.0E0
Annotation Cluster 259		Enrichment Score: 0.08	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT		21	3.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT		22	3.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate metabolic process	RT		7	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolic process	RT		5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate metabolic process	RT		5	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate metabolic process	RT		5	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide metabolic process	RT		6	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ATP metabolic process	RT		4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleotide biosynthetic process	RT		5	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine ribonucleoside triphosphate biosynthetic process	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleoside triphosphate biosynthetic process	RT		4	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide metabolic process	RT		6	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleoside triphosphate biosynthetic process	RT		4	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide metabolic process	RT		6	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ribonucleotide biosynthetic process	RT		5	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside triphosphate biosynthetic process	RT		4	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATP synthase activity, rotational mechanism	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transporting ATPase activity, rotational mechanism	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleoside phosphate metabolic process	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ATP biosynthetic process	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	purine nucleotide biosynthetic process	RT		5	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proton-transporting two-sector ATPase complex	RT		3	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide biosynthetic process	RT		9	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrogen ion transmembrane transporter activity	RT		6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation-transporting ATPase activity	RT		3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	monovalent inorganic cation transmembrane transporter activity	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of ions	RT		5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT		8	9.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Oxidative phosphorylation	RT		6	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proton transport	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hydrogen transport	RT		3	9.9E-1	1.0E0
Annotation Cluster 260		Enrichment Score: 0.07	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	immune response-activating cell surface	RT		2	9.9E-1	1.0E0

<input type="checkbox"/>		receptor signaling pathway	RT							
<input type="checkbox"/>	GOTERM_BP_ALL	immune response-regulating cell surface receptor signaling pathway	RT					3	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune response-activating signal transduction	RT					3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune response-regulating signal transduction	RT					3	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of immune response	RT					5	9.1E-1	1.0E0
	Annotation Cluster 261	Enrichment Score: 0.07	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	damaged DNA binding	RT					3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT					21	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA damage	RT					9	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA repair	RT					8	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT					17	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA repair	RT					11	9.8E-1	1.0E0
	Annotation Cluster 262	Enrichment Score: 0.07	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Sulphotransferase	RT					3	7.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sulfotransferase activity	RT					3	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring sulfur-containing groups	RT					3	9.5E-1	1.0E0
	Annotation Cluster 263	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT					188	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT					386	7.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT					138	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT					334	9.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT					181	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT					335	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT					478	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT					336	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT					260	9.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT					100	9.5E-1	1.0E0
	Annotation Cluster 264	Enrichment Score: 0.06	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT					53	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT					53	8.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT					21	9.8E-1	1.0E0
	Annotation Cluster 265	Enrichment Score: 0.05	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic limb morphogenesis	RT					5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic appendage morphogenesis	RT					5	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	appendage morphogenesis	RT					5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	limb morphogenesis	RT					5	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	appendage development	RT					5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	limb development	RT					5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT					13	9.1E-1	1.0E0
	Annotation Cluster 266	Enrichment Score: 0.05	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT					64	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT					55	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT					57	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT					64	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT					32	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT					51	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT					60	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT					60	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT					22	9.9E-1	1.0E0

Annotation Cluster 267		Enrichment Score: 0.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG1/HMG2	RT			4	8.4E-1	1.0E0
<input type="checkbox"/>	SMART	HMG	RT			4	9.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	High mobility group box, HMG	RT			3	9.3E-1	1.0E0
Annotation Cluster 268		Enrichment Score: 0.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	microtubule	RT			11	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	microtubule-based process	RT			14	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule	RT			13	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microtubule cytoskeleton	RT			22	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT			28	1.0E0	1.0E0
Annotation Cluster 269		Enrichment Score: 0.05		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT			7	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ER to Golgi vesicle-mediated transport	RT			3	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	er-golgi transport	RT			3	9.7E-1	1.0E0
Annotation Cluster 270		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT			21	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT			20	9.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT			13	9.3E-1	1.0E0
Annotation Cluster 271		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	oxidoreductase	RT			39	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT			30	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity	RT			65	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT			32	9.9E-1	1.0E0
Annotation Cluster 272		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	eye morphogenesis	RT			4	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	eye development	RT			6	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT			10	9.8E-1	1.0E0
Annotation Cluster 273		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	Golgi vesicle transport	RT			7	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT			14	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT			17	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT			20	9.8E-1	1.0E0
Annotation Cluster 274		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Fibronectin, type III-like fold	RT			13	8.0E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 3	RT			3	8.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 1	RT			4	9.6E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Fibronectin type-III 2	RT			4	9.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Fibronectin, type III	RT			10	9.6E-1	1.0E0
<input type="checkbox"/>	SMART	FN3	RT			11	9.8E-1	1.0E0
Annotation Cluster 275		Enrichment Score: 0.04		G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid degradation	RT			5	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipase activity	RT			3	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	lipase activity	RT			4	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid catabolic process	RT			6	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	carboxylesterase activity	RT			6	9.6E-1	1.0E0
Annotation Cluster 276		Enrichment Score: 0.03		G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	site:Reactive bond	RT			3	7.7E-1	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001630:serpin	RT			3	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protease inhibitor I4, serpin	RT			3	9.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease inhibitor	RT			4	9.7E-1	1.0E0

<input type="checkbox"/>	SMART	SERPIN	RT		3	9.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine protease inhibitor	RT		3	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase inhibitor activity	RT		5	9.8E-1	1.0E0	
	Annotation Cluster 277	Enrichment Score: 0.03	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase inhibitor activity	RT		10	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protease inhibitor activity	RT		10	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme inhibitor activity	RT		15	9.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease inhibitor	RT		4	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase inhibitor activity	RT		5	9.8E-1	1.0E0	
	Annotation Cluster 278	Enrichment Score: 0.03	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of anatomical structure morphogenesis	RT		3	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell shape	RT		3	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell morphogenesis	RT		3	9.4E-1	1.0E0	
	Annotation Cluster 279	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT		9	8.9E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT		8	9.4E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 4	RT		5	9.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT		6	9.9E-1	1.0E0	
	Annotation Cluster 280	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	inner ear development	RT		4	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	inner ear morphogenesis	RT		3	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ear development	RT		4	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ear morphogenesis	RT		3	9.6E-1	1.0E0	
	Annotation Cluster 281	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	synapse part	RT		8	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	postsynaptic membrane	RT		5	9.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Postsynaptic cell membrane	RT		4	9.9E-1	1.0E0	
	Annotation Cluster 282	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to endoplasmic reticulum membrane	RT		3	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum part	RT		6	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	endoplasmic reticulum membrane	RT		5	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear envelope-endoplasmic reticulum network	RT		5	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen	RT		6	9.9E-1	1.0E0	
	Annotation Cluster 283	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	neuropeptide Y receptor activity	RT		3	8.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	neuropeptide binding	RT		3	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	neuropeptide receptor activity	RT		3	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	neurotransmitter receptor activity	RT		3	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	neurotransmitter binding	RT		3	1.0E0	1.0E0	
	Annotation Cluster 284	Enrichment Score: 0.02	G		Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT		33	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT		42	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT		39	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT		46	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT		50	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT		50	1.0E0	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT		61	1.0E0	1.0E0	
	Annotation Cluster 285	Enrichment Score: 0.01	G		Count	P_Value	Benjamini	

<input type="checkbox"/>									
<input type="checkbox"/>	UP_SEQ_FEATURE	transit peptide:Mitochondrion	RT				17	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transit peptide	RT				24	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrion	RT				64	9.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT				39	9.9E-1	1.0E0
	Annotation Cluster 286	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT				6	1.0E0	1.0E0
	Annotation Cluster 287	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid activation	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA aminoacylation for protein translation	RT				3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming aminoacyl-tRNA and related compounds	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	aminoacyl-tRNA ligase activity	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-oxygen bonds	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tRNA metabolic process	RT				4	1.0E0	1.0E0
	Annotation Cluster 288	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, LIM-type	RT				3	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lim domain	RT				3	9.8E-1	1.0E0
<input type="checkbox"/>	SMART	LIM	RT				3	9.9E-1	1.0E0
	Annotation Cluster 289	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT				45	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT				18	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial membrane	RT				16	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT				20	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial inner membrane	RT				13	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle inner membrane	RT				13	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT				23	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT				23	1.0E0	1.0E0
	Annotation Cluster 290	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT				26	8.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT				21	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT				18	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT				23	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT				53	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT				11	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT				20	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT				28	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT				35	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT				41	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT				69	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT				32	1.0E0	1.0E0
	Annotation Cluster 291	Enrichment Score: 0.01	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Charge relay system	RT				7	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT				11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT				11	9.9E-1	1.0E0

<input type="checkbox"/>										
<input type="checkbox"/>	INTERPRO	Peptidase S1A, chymotrypsin	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine protease	RT					6	9.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT					5	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT					9	9.9E-1	1.0E0
<input type="checkbox"/>	SMART	Tryp_Spc	RT					5	1.0E0	1.0E0
	Annotation Cluster 292	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	potassium ion binding	RT					5	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	potassium transport	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	potassium ion transport	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	alkali metal ion binding	RT					7	1.0E0	1.0E0
	Annotation Cluster 293	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT					15	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT					11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT					20	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT					30	1.0E0	1.0E0
	Annotation Cluster 294	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	sodium	RT					3	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	sodium transport	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sodium ion binding	RT					3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sodium ion transport	RT					4	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	alkali metal ion binding	RT					7	1.0E0	1.0E0
	Annotation Cluster 295	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	voltage-gated potassium channel complex	RT					3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-gated channel activity	RT					4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-gated ion channel activity	RT					4	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated potassium channel activity	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	potassium ion transport	RT					6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated ion channel activity	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated channel activity	RT					5	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	voltage-gated cation channel activity	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	voltage-gated channel	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	potassium channel activity	RT					3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	gated channel activity	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation channel activity	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ionic channel	RT					7	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion channel activity	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate specific channel activity	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT					9	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT					9	1.0E0	1.0E0
	Annotation Cluster 296	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT					99	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT					99	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT					160	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT					159	1.0E0	1.0E0
	Annotation Cluster 297	Enrichment Score: 0	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT					12	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT					10	1.0E0	1.0E0

<input type="checkbox"/>						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT			6	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT			13	1.0E0	1.0E0
	Annotation Cluster 298		Enrichment Score: 0	G				
<input type="checkbox"/>	INTERPRO	Homeobox	RT			7	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Homeobox	RT			4	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Homeobox	RT			8	1.0E0	1.0E0
<input type="checkbox"/>	INTERPRO	Homeodomain-related	RT			5	1.0E0	1.0E0
<input type="checkbox"/>	SMART	HOX	RT			7	1.0E0	1.0E0
	Annotation Cluster 299		Enrichment Score: 0	G				
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT			206	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT			77	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT			168	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT			171	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT			69	1.0E0	1.0E0
	Annotation Cluster 300		Enrichment Score: 0	G				
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT			6	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna splicing	RT			3	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna processing	RT			3	1.0E0	1.0E0

650 terms were not clustered.

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Functional Annotation Clustering Of Genes Downregulated <0.5 in WT But Not In WASP Deficient BMBCs

[Help and Manual](#)

Current Gene List: wt1 not wsp1 <.5lo

377 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

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Annotation Cluster 1	Enrichment Score: 5	G	Count	P_Value	Benjamini
<input type="checkbox"/> GOTERM_CC_ALL	nucleus	RT	123	2.9E-13	2.3E-10
<input type="checkbox"/> GOTERM_CC_ALL	intracellular membrane-bound organelle	RT	157	4.1E-10	1.6E-7
<input type="checkbox"/> GOTERM_CC_ALL	membrane-bound organelle	RT	157	4.5E-10	1.2E-7
<input type="checkbox"/> GOTERM_CC_ALL	intracellular organelle	RT	168	2.3E-9	4.4E-7
<input type="checkbox"/> GOTERM_CC_ALL	organelle	RT	168	2.5E-9	3.8E-7
<input type="checkbox"/> SP_PIR_KEYWORDS	nucleus	RT	91	2.6E-8	2.2E-5
<input type="checkbox"/> GOTERM_CC_ALL	intracellular	RT	193	3.4E-8	4.4E-6
<input type="checkbox"/> GOTERM_CC_ALL	intracellular part	RT	185	9.4E-8	1.0E-5
<input type="checkbox"/> GOTERM_BP_ALL	transcription	RT	72	3.4E-7	5.9E-4
<input type="checkbox"/> GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	70	9.2E-7	1.2E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of transcription	RT	69	1.0E-6	1.0E-3
<input type="checkbox"/> GOTERM_BP_ALL	RNA biosynthetic process	RT	67	1.3E-6	1.1E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of gene expression	RT	71	2.5E-6	1.8E-3
<input type="checkbox"/> GOTERM_BP_ALL	transcription, DNA-dependent	RT	66	2.6E-6	1.7E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT	65	3.7E-6	2.1E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of cellular metabolic process	RT	72	5.3E-6	2.5E-3
<input type="checkbox"/> SP_PIR_KEYWORDS	Transcription	RT	45	6.4E-6	2.8E-3
<input type="checkbox"/> GOTERM_BP_ALL	RNA metabolic process	RT	74	6.5E-6	2.6E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of cellular process	RT	96	1.2E-5	4.3E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of metabolic process	RT	73	1.2E-5	4.0E-3
<input type="checkbox"/> GOTERM_MF_ALL	nucleic acid binding	RT	82	1.9E-5	4.9E-2
<input type="checkbox"/> GOTERM_BP_ALL	biopolymer metabolic process	RT	110	2.0E-5	6.6E-3
<input type="checkbox"/> GOTERM_BP_ALL	gene expression	RT	82	2.1E-5	6.4E-3
<input type="checkbox"/> SP_PIR_KEYWORDS	Transcription regulation	RT	43	2.1E-5	6.1E-3
<input type="checkbox"/> GOTERM_BP_ALL	regulation of biological process	RT	102	2.4E-5	6.9E-3
<input type="checkbox"/> SP_PIR_KEYWORDS	repressor	RT	17	4.2E-5	9.0E-3
<input type="checkbox"/> GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT	86	4.6E-5	1.1E-2
<input type="checkbox"/> GOTERM_BP_ALL	cellular metabolic process	RT	149	7.4E-5	1.7E-2
<input type="checkbox"/> GOTERM_BP_ALL	metabolic process	RT	161	9.3E-5	2.1E-2
<input type="checkbox"/> GOTERM_MF_ALL	DNA binding	RT	56	1.4E-4	7.2E-2
<input type="checkbox"/> GOTERM_BP_ALL	biological regulation	RT	105	2.6E-4	4.3E-2
<input type="checkbox"/> GOTERM_BP_ALL	macromolecule metabolic process	RT	130	6.0E-4	9.2E-2
<input type="checkbox"/> GOTERM_BP_ALL	primary metabolic process	RT	145	6.5E-4	9.6E-2
<input type="checkbox"/> GOTERM_BP_ALL	cellular process	RT	201	1.9E-3	2.4E-1
<input type="checkbox"/> SP_PIR_KEYWORDS	dna-binding	RT	36	3.8E-3	2.8E-1
<input type="checkbox"/> GOTERM_MF_ALL	transcription regulator activity	RT	36	4.1E-3	6.3E-1

<input type="checkbox"/>									
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT		225	4.5E-3	3.2E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT		225	4.5E-3	3.2E-1		
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasm	RT		113	1.4E-2	6.3E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT		26	1.6E-2	9.5E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	binding	RT		199	2.0E-2	9.7E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	sequence-specific DNA binding	RT		15	5.0E-2	1.0E0		
	Annotation Cluster 2	Enrichment Score: 3.76	G		Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT		58	1.9E-5	2.6E-2		
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT		68	2.1E-5	1.4E-2		
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT		41	4.9E-5	8.4E-3		
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT		48	7.2E-5	1.0E-2		
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT		87	4.9E-4	1.7E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT		88	6.2E-4	1.9E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT		57	6.9E-4	7.2E-2		
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT		78	2.8E-3	5.6E-1		
	Annotation Cluster 3	Enrichment Score: 2.82	G		Count	P_Value	Benjamini		
<input type="checkbox"/>	GOTERM_BP_ALL	biotin biosynthetic process	RT		7	2.0E-10	1.0E-6		
<input type="checkbox"/>	GOTERM_BP_ALL	biotin metabolic process	RT		7	2.3E-9	5.9E-6		
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin biosynthetic process	RT		7	4.9E-6	2.5E-3		
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin biosynthetic process	RT		7	6.2E-6	2.7E-3		
<input type="checkbox"/>	INTERPRO	Biotin synthase	RT		4	1.9E-5	5.4E-2		
<input type="checkbox"/>	INTERPRO	Biotin and thiamin synthesis associated	RT		4	1.9E-5	5.4E-2		
<input type="checkbox"/>	GOTERM_MF_ALL	biotin synthase activity	RT		4	2.0E-5	1.8E-2		
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur compound biosynthetic process	RT		7	1.0E-4	2.1E-2		
<input type="checkbox"/>	GOTERM_BP_ALL	water-soluble vitamin metabolic process	RT		7	2.1E-4	3.7E-2		
<input type="checkbox"/>	GOTERM_MF_ALL	sulfurtransferase activity	RT		4	4.0E-4	1.6E-1		
<input type="checkbox"/>	INTERPRO	Elongator protein 3/MiaB/NifB	RT		4	5.4E-4	6.5E-1		
<input type="checkbox"/>	INTERPRO	Radical SAM	RT		4	5.4E-4	6.5E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	biotin biosynthesis	RT		3	8.5E-4	7.9E-2		
<input type="checkbox"/>	SMART	Elp3	RT		4	8.6E-4	4.0E-1		
<input type="checkbox"/>	COG_ONTOLOGY	Coenzyme metabolism	RT		5	1.8E-3	1.3E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	vitamin metabolic process	RT		7	1.9E-3	2.4E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	monocarboxylic acid metabolic process	RT		12	2.4E-3	2.8E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	sulfur metabolic process	RT		7	3.1E-3	3.3E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	2 iron, 2 sulfur cluster binding	RT		4	3.5E-3	6.1E-1		
<input type="checkbox"/>	GOTERM_BP_ALL	heterocycle metabolic process	RT		7	3.7E-3	3.8E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	4Fe-4S	RT		4	5.9E-3	3.5E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	4 iron, 4 sulfur cluster binding	RT		4	7.1E-3	7.9E-1		
<input type="checkbox"/>	INTERPRO	Aldolase-type TIM barrel	RT		4	1.5E-2	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron-sulfur	RT		4	2.8E-2	8.3E-1		
<input type="checkbox"/>	SP_PIR_KEYWORDS	s-adenosyl-l-methionine	RT		5	3.0E-2	8.3E-1		
<input type="checkbox"/>	GOTERM_MF_ALL	metal cluster binding	RT		4	5.3E-2	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	iron-sulfur cluster binding	RT		4	5.3E-2	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring sulfur-containing groups	RT		4	6.7E-2	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		8	9.2E-2	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		13	1.9E-1	1.0E0		
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT		13	1.9E-1	1.0E0		
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron	RT		6	4.4E-1	1.0E0		
<input type="checkbox"/>	GOTERM_MF_ALL	iron ion binding	RT		7	4.7E-1	1.0E0		

					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		21	7.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		15	7.8E-1	1.0E0
		Annotation Cluster 4	Enrichment Score: 1.93	G			
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT		9	3.4E-5	8.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT		9	3.4E-5	8.8E-3
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT		7	1.1E-4	2.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT		10	1.2E-4	2.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT		13	1.3E-4	2.5E-2
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT		11	1.9E-4	3.4E-2
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT		8	4.1E-4	6.6E-2
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast maturation	RT		5	9.0E-4	1.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast development	RT		5	1.0E-3	1.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell maturation	RT		7	4.9E-3	4.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	developmental maturation	RT		7	1.1E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle cell differentiation	RT		4	2.4E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myofibril assembly	RT		3	4.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle cell development	RT		3	4.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell development	RT		3	4.4E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actomyosin structure organization and biogenesis	RT		3	6.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT		4	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		7	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		8	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT		4	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT		4	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT		7	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT		4	9.7E-1	1.0E0
		Annotation Cluster 5	Enrichment Score: 1.86	G			
<input type="checkbox"/>	INTERPRO	LisH dimerisation motif	RT		4	1.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:LisH	RT		3	1.5E-2	1.0E0
<input type="checkbox"/>	SMART	LisH	RT		4	1.6E-2	9.9E-1
		Annotation Cluster 6	Enrichment Score: 1.66	G			
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		19	1.4E-3	7.9E-1
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		12	4.9E-2	1.0E0
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		14	5.3E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT		10	6.6E-2	1.0E0
		Annotation Cluster 7	Enrichment Score: 1.6	G			
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF018476:nuclear factor 1	RT		3	1.5E-3	9.9E-1
<input type="checkbox"/>	INTERPRO	CTF/NF-I	RT		3	2.8E-3	9.3E-1
<input type="checkbox"/>	INTERPRO	MAD homology 1, Dwarfin-type	RT		3	2.0E-2	1.0E0
<input type="checkbox"/>	SMART	DWA	RT		3	2.7E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	DNA replication	RT		5	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna replication	RT		3	3.6E-1	1.0E0
		Annotation Cluster 8	Enrichment Score: 1.5	G			
<input type="checkbox"/>	SMART	UBA	RT		4	1.8E-2	9.7E-1
<input type="checkbox"/>	INTERPRO	Ubiquitin-associated/translation elongation factor EF1B, N-terminal	RT		4	4.1E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:UBA	RT		3	4.3E-2	1.0E0
		Annotation Cluster 9	Enrichment Score: 1.19	G			

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT		10	1.4E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT		8	1.8E-2	8.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	mutagenesis site	RT		13	2.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription corepressor activity	RT		5	2.4E-2	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor binding	RT		10	2.7E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT		11	3.1E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		11	4.5E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT		14	7.9E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription repressor activity	RT		7	8.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT		11	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT		12	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription cofactor activity	RT		6	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT		11	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular process	RT		20	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of biological process	RT		21	3.9E-1	1.0E0
Annotation Cluster 10		Enrichment Score: 1.15	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT		13	3.4E-2	8.1E-1
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT		7	5.5E-2	1.0E0
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT		7	5.6E-2	1.0E0
<input type="checkbox"/>	SMART	RRM	RT		8	7.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	RNA binding	RT		14	2.3E-1	1.0E0
Annotation Cluster 11		Enrichment Score: 1.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	germ cell development	RT		4	3.1E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT		10	4.0E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT		14	6.4E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT		10	9.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT		6	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT		6	2.5E-1	1.0E0
Annotation Cluster 12		Enrichment Score: 1.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	BTB/POZ	RT		6	2.6E-2	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/POZ-like	RT		6	8.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	BTB/POZ fold	RT		6	9.1E-2	1.0E0
<input type="checkbox"/>	SMART	BTB	RT		6	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:BTB	RT		3	1.9E-1	1.0E0
Annotation Cluster 13		Enrichment Score: 1.03	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		9	1.5E-2	8.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		6	3.1E-2	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		9	7.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		9	8.2E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		16	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		9	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organelle organization and biogenesis	RT		18	7.7E-1	1.0E0
Annotation Cluster 14		Enrichment Score: 0.85	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	steroid binding	RT		4	8.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor activity	RT		4	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-dependent nuclear receptor activity	RT		4	1.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-	RT		2	1.0E-1	1.0E0

<input type="checkbox"/>		binding_core	RT							
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor_ligand-binding	RT					3	2.0E-1 1.0E0	
<input type="checkbox"/>	SMART	HOLI	RT					3	2.4E-1 1.0E0	
	Annotation Cluster 15	Enrichment Score: 0.82	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger_C2H2-type/integrase_DNA-binding	RT					10	6.6E-2 1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger_C2H2-subtype	RT					7	1.2E-1 1.0E0	
<input type="checkbox"/>	SMART	KRAB	RT					7	2.5E-1 1.0E0	
<input type="checkbox"/>	INTERPRO	KRAB_box	RT					6	2.7E-1 1.0E0	
	Annotation Cluster 16	Enrichment Score: 0.82	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	in utero embryonic development	RT					7	2.4E-2 9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT					5	8.3E-2 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT					8	9.7E-2 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT					8	1.0E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT					5	1.0E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT					13	1.0E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT					4	1.2E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	heart morphogenesis	RT					3	1.3E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT					7	2.5E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT					7	2.6E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT					3	2.9E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT					3	3.1E-1 1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	compositionally biased region:Poly-Ala	RT					5	3.2E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT					5	6.0E-1 1.0E0	
	Annotation Cluster 17	Enrichment Score: 0.81	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell differentiation	RT					5	9.3E-2 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of developmental process	RT					5	1.5E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT					9	1.7E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT					6	2.4E-1 1.0E0	
	Annotation Cluster 18	Enrichment Score: 0.79	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin cycle	RT					14	8.9E-2 1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ubl conjugation pathway	RT					11	1.2E-1 1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT					8	1.3E-1 1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT					9	2.7E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT					28	3.2E-1 1.0E0	
	Annotation Cluster 19	Enrichment Score: 0.76	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	signal sequence binding	RT					3	1.5E-2 9.5E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	peptide binding	RT					4	4.6E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT					7	7.9E-1 1.0E0	
	Annotation Cluster 20	Enrichment Score: 0.69	G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	IQ_calmodulin-binding region	RT					4	1.3E-1 1.0E0	
<input type="checkbox"/>	SMART	IQ	RT					4	2.0E-1 1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	calmodulin binding	RT					4	3.3E-1 1.0E0	
	Annotation Cluster 21	Enrichment Score: 0.64	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of anatomical structure morphogenesis	RT					3	2.3E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell shape	RT					3	2.3E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell morphogenesis	RT					3	2.3E-1 1.0E0	
	Annotation Cluster 22	Enrichment Score: 0.64	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT					5	1.2E-1 1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT					5	1.2E-1 1.0E0	

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT		5	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT		5	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT		5	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT		6	6.4E-1	1.0E0
		Annotation Cluster 23	Enrichment Score: 0.61	G			
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT		5	1.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT		4	3.3E-1	1.0E0
		Annotation Cluster 24	Enrichment Score: 0.59	G			
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing	RT		7	1.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna splicing	RT		6	1.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA metabolic process	RT		8	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mRNA processing	RT		7	2.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	mrna processing	RT		6	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nuclear mRNA splicing, via spliceosome	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	spliceosome	RT		4	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA processing	RT		8	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribonucleoprotein complex	RT		8	6.1E-1	1.0E0
		Annotation Cluster 25	Enrichment Score: 0.57	G			
<input type="checkbox"/>	INTERPRO	HECT	RT		3	7.2E-2	1.0E0
<input type="checkbox"/>	SMART	HECTc	RT		3	1.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ligase	RT		8	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		9	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		4	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		4	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		3	6.5E-1	1.0E0
		Annotation Cluster 26	Enrichment Score: 0.55	G			
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT		32	1.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		39	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		39	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT		57	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT		34	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT		39	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT		42	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT		51	6.0E-1	1.0E0
		Annotation Cluster 27	Enrichment Score: 0.53	G			
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT		15	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		6	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT		7	6.8E-1	1.0E0
		Annotation Cluster 28	Enrichment Score: 0.53	G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		6	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		6	4.6E-1	1.0E0
		Annotation Cluster 29	Enrichment Score: 0.47	G			

<input type="checkbox"/>	SP_PIR_KEYWORDS	wd_repeat	RT		7	2.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 3	RT		4	3.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 1	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 2	RT		4	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:WD 4	RT		3	5.7E-1	1.0E0
Annotation Cluster 30		Enrichment Score: 0.46	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT		8	5.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		5	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		6	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT		10	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		5	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		7	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		9	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		3	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme regulator activity	RT		9	9.1E-1	1.0E0
Annotation Cluster 31		Enrichment Score: 0.45	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	detection of stimulus during sensory perception	RT		3	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	detection of abiotic stimulus	RT		3	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	detection of external stimulus	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	detection of stimulus	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT		6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to abiotic stimulus	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT		7	8.7E-1	1.0E0
Annotation Cluster 32		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		13	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		13	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT		13	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		13	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		7	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT		32	8.8E-1	1.0E0
Annotation Cluster 33		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic appendage morphogenesis	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic limb morphogenesis	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	limb morphogenesis	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	appendage morphogenesis	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	appendage development	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	limb development	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT		5	4.4E-1	1.0E0
Annotation Cluster 34		Enrichment Score: 0.42	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 5	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 4	RT		3	2.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ubl conjugation	RT		8	2.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 3	RT		3	3.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 1	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	repeat:ANK 2	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ank_repeat	RT		4	6.3E-1	1.0E0

<input type="checkbox"/>	SMART	ANK	RT			4	7.8E-1	1.0E0			
Annotation Cluster 35						Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT			43	9.0E-2	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT			15	9.0E-2	1.0E0			
<input type="checkbox"/>	BIOCARTA	MAPKinase Signaling Pathway	RT			4	1.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT			34	1.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT			34	2.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT			34	2.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT			34	2.5E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT			9	2.6E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT			6	2.9E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT			8	3.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT			34	3.1E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT			26	3.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT			28	3.2E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT			10	3.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT			56	3.5E-1	1.0E0			
<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT			8	3.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT			58	3.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT			26	3.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT			56	3.9E-1	1.0E0			
<input type="checkbox"/>	KEGG_PATHWAY	MAPK signaling pathway	RT			5	4.0E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT			26	4.1E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT			6	4.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT			13	4.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT			10	4.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT			12	4.7E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT			7	4.8E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT			19	4.9E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT			26	5.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT			14	5.1E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT			23	5.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT			16	5.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT			16	5.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	magnesium ion binding	RT			7	6.1E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT			31	6.2E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	magnesium	RT			6	6.4E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT			12	6.8E-1	1.0E0			
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT			6	7.1E-1	1.0E0			
<input type="checkbox"/>	SMART	S_TKc	RT			7	7.3E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT			16	7.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT			13	8.5E-1	1.0E0			
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT			10	8.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	protein kinase cascade	RT			3	9.6E-1	1.0E0			
Annotation Cluster 36						Enrichment Score: 0.4	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	eye development	RT			4	2.8E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	camera-type eye development	RT			3	3.6E-1	1.0E0			
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT			4	6.4E-1	1.0E0			

Annotation Cluster 37		Enrichment Score: 0.4		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activity	RT			5	2.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	GTP-binding	RT			7	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT			8	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT			8	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT			8	3.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras	RT			3	5.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Ras GTPase	RT			3	7.1E-1	1.0E0
Annotation Cluster 38		Enrichment Score: 0.39		G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	germ cell migration	RT			3	6.2E-3	5.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT			7	5.3E-2	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT			8	7.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development	RT			13	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT			7	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT			8	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT			5	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT			7	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT			7	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT			8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT			7	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT			7	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT			5	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT			7	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte differentiation	RT			4	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT			3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT			3	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	brain development	RT			5	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT			5	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotory behavior	RT			5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT			5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT			4	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT			5	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT			6	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT			5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT			9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT			9	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT			9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT			11	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune system process	RT			12	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT			6	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT			6	7.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Cytokine-cytokine receptor interaction	RT			3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT			3	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT			4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT			4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT			4	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT			17	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune response	RT			6	9.1E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>		generation of neurons	RT		4	9.5E-1	1.0E0
<input type="checkbox"/>		neurogenesis	RT		4	9.6E-1	1.0E0
<input type="checkbox"/>		neuron differentiation	RT		3	9.7E-1	1.0E0
	Annotation Cluster 39	Enrichment Score: 0.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT		10	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type endopeptidase activity	RT		3	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		4	5.5E-1	1.0E0
	Annotation Cluster 40	Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	gtpase activation	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		6	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Ras GTPase activator activity	RT		3	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		7	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme activator activity	RT		5	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase activator activity	RT		4	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme regulator activity	RT		9	9.1E-1	1.0E0
	Annotation Cluster 41	Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	ubiquitin-dependent protein catabolic process	RT		5	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent protein catabolic process	RT		5	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	modification-dependent macromolecule catabolic process	RT		5	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis involved in cellular protein catabolic process	RT		5	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein catabolic process	RT		5	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT		6	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT		14	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT		6	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		6	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	catabolic process	RT		7	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular catabolic process	RT		5	9.7E-1	1.0E0
	Annotation Cluster 42	Enrichment Score: 0.36	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	peroxisome	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	microbody	RT		3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	peroxisome	RT		3	4.5E-1	1.0E0
	Annotation Cluster 43	Enrichment Score: 0.35	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		8	2.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein homodimerization activity	RT		4	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT		4	8.8E-1	1.0E0
	Annotation Cluster 44	Enrichment Score: 0.33	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Src homology-3	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT		5	4.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>	SMART	SH3	RT		5	5.4E-1	1.0E0
	Annotation Cluster 45	Enrichment Score: 0.31	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT		20	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT		21	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT		7	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT		8	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid	RT		8	4.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process								
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT					9	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT					9	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT					4	7.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	DNA binding	RT					4	8.1E-1	1.0E0
	Annotation Cluster 46	Enrichment Score: 0.31	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT					4	3.4E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Luminal	RT					6	3.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT					5	3.7E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 1	RT					3	3.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	golgi apparatus	RT					9	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT					3	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT					3	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT					3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi apparatus	RT					11	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT					5	5.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal-anchor	RT					5	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT					7	9.9E-1	1.0E0
	Annotation Cluster 47	Enrichment Score: 0.29	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT					5	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT					4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT					6	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT					3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT					3	6.6E-1	1.0E0
	Annotation Cluster 48	Enrichment Score: 0.29	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	fatty acid metabolic process	RT					5	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT					6	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT					10	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT					11	7.0E-1	1.0E0
	Annotation Cluster 49	Enrichment Score: 0.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT					27	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT					27	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT					15	6.8E-1	1.0E0
	Annotation Cluster 50	Enrichment Score: 0.25	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	chemotaxis	RT					3	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	behavior	RT					7	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	locomotory behavior	RT					5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	chemotaxis	RT					3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	taxis	RT					3	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to chemical stimulus	RT					6	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to external stimulus	RT					7	8.7E-1	1.0E0
	Annotation Cluster 51	Enrichment Score: 0.23	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	growth factor	RT					4	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	growth factor activity	RT					4	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor binding	RT					7	9.7E-1	1.0E0
	Annotation Cluster 52	Enrichment Score: 0.22	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	membrane organization and biogenesis	RT					6	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT					4	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane invagination	RT					4	6.2E-1	1.0E0

<input type="checkbox"/>												
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle-mediated transport	RT							8	6.7E-1	1.0E0
	Annotation Cluster 53		Enrichment Score: 0.22		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	visual perception	RT							4	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception of light stimulus	RT							4	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT							6	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT							9	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	synaptic transmission	RT							4	7.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT							4	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT							10	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT							4	9.6E-1	1.0E0
	Annotation Cluster 54		Enrichment Score: 0.2		G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Calcium-binding_EF-hand	RT							5	3.9E-1	1.0E0
<input type="checkbox"/>	SMART	EFh	RT							5	5.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EF-Hand type	RT							3	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	calcium ion binding	RT							10	9.6E-1	1.0E0
	Annotation Cluster 55		Enrichment Score: 0.19		G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT							10	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT							14	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT							12	6.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT							8	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT							32	8.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrolase	RT							16	9.6E-1	1.0E0
	Annotation Cluster 56		Enrichment Score: 0.18		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT							12	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT							12	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT							13	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT							8	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT							18	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT							14	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT							14	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	protein complex	RT							21	9.8E-1	1.0E0
	Annotation Cluster 57		Enrichment Score: 0.18		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	synapse	RT							6	4.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	synapse	RT							4	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	postsynaptic membrane	RT							3	5.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	synapse part	RT							3	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell junction	RT							7	6.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell junction	RT							5	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane	RT							19	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT							13	1.0E0	1.0E0
	Annotation Cluster 58		Enrichment Score: 0.14		G					Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT							4	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin I-set	RT							3	5.6E-1	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT							4	6.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT							3	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT							6	7.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT							4	9.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT							4	9.5E-1	1.0E0
	Annotation Cluster 59		Enrichment Score: 0.14		G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT							9	7.1E-1	1.0E0

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>		electron transport	RT		7	7.3E-1	1.0E0
<input type="checkbox"/>		oxidoreductase activity	RT		14	7.3E-1	1.0E0
	Annotation Cluster 60	Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>		ATPase activity	RT		7	4.7E-1	1.0E0
<input type="checkbox"/>		organelle membrane	RT		12	5.5E-1	1.0E0
<input type="checkbox"/>		mitochondrial inner membrane	RT		5	6.3E-1	1.0E0
<input type="checkbox"/>		organelle inner membrane	RT		5	6.6E-1	1.0E0
<input type="checkbox"/>		mitochondrial membrane	RT		5	7.0E-1	1.0E0
<input type="checkbox"/>		mitochondrial envelope	RT		5	7.6E-1	1.0E0
<input type="checkbox"/>		mitochondrion	RT		14	8.1E-1	1.0E0
<input type="checkbox"/>		mitochondrial part	RT		5	8.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT		8	9.1E-1	1.0E0
<input type="checkbox"/>		organelle envelope	RT		5	9.4E-1	1.0E0
<input type="checkbox"/>		envelope	RT		5	9.4E-1	1.0E0
	Annotation Cluster 61	Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>		Golgi membrane	RT		3	5.4E-1	1.0E0
<input type="checkbox"/>		Golgi apparatus part	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>		endomembrane system	RT		5	9.1E-1	1.0E0
	Annotation Cluster 62	Enrichment Score: 0.13	G		Count	P_Value	Benjamini
<input type="checkbox"/>		cytoskeleton-dependent intracellular transport	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>		microtubule cytoskeleton	RT		6	6.5E-1	1.0E0
<input type="checkbox"/>		microtubule-based process	RT		4	6.8E-1	1.0E0
<input type="checkbox"/>		microtubule	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>		cytoskeletal part	RT		7	9.1E-1	1.0E0
	Annotation Cluster 63	Enrichment Score: 0.11	G		Count	P_Value	Benjamini
<input type="checkbox"/>		protein transporter activity	RT		4	5.2E-1	1.0E0
<input type="checkbox"/>		protein transport	RT		13	5.6E-1	1.0E0
<input type="checkbox"/>		macromolecule localization	RT		15	6.0E-1	1.0E0
<input type="checkbox"/>		establishment of protein localization	RT		13	6.4E-1	1.0E0
<input type="checkbox"/>		protein localization	RT		14	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT		7	6.7E-1	1.0E0
<input type="checkbox"/>		intracellular protein transport	RT		7	7.9E-1	1.0E0
<input type="checkbox"/>		protein targeting	RT		4	8.0E-1	1.0E0
<input type="checkbox"/>		intracellular transport	RT		10	8.6E-1	1.0E0
<input type="checkbox"/>		establishment of cellular localization	RT		12	9.0E-1	1.0E0
<input type="checkbox"/>		cellular localization	RT		12	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT		16	9.6E-1	1.0E0
<input type="checkbox"/>		transport	RT		34	9.8E-1	1.0E0
<input type="checkbox"/>		transporter activity	RT		15	9.8E-1	1.0E0
<input type="checkbox"/>		establishment of localization	RT		34	9.9E-1	1.0E0
<input type="checkbox"/>		localization	RT		38	9.9E-1	1.0E0
	Annotation Cluster 64	Enrichment Score: 0.1	G		Count	P_Value	Benjamini
<input type="checkbox"/>		cell division	RT		6	4.4E-1	1.0E0
<input type="checkbox"/>		M phase	RT		4	8.2E-1	1.0E0
<input type="checkbox"/>		mitotic cell cycle	RT		4	8.2E-1	1.0E0
<input type="checkbox"/>		cell cycle	RT		11	8.4E-1	1.0E0
<input type="checkbox"/>		mitosis	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>		M phase of mitotic cell cycle	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>		cell cycle phase	RT		4	9.0E-1	1.0E0

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT						8	9.0E-1	1.0E0
	Annotation Cluster 65	Enrichment Score: 0.1	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT						18	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT						40	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT						40	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	macromolecular complex	RT						29	9.5E-1	1.0E0
	Annotation Cluster 66	Enrichment Score: 0.1	G						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT						7	5.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of progression through cell cycle	RT						3	7.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT						11	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT						5	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT						8	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT						5	9.0E-1	1.0E0
	Annotation Cluster 67	Enrichment Score: 0.1	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT						26	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT						3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT						3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT						6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT						6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT						9	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT						9	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT						9	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT						9	9.5E-1	1.0E0
	Annotation Cluster 68	Enrichment Score: 0.07	G						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Homeobox	RT						4	7.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Homeobox	RT						3	8.5E-1	1.0E0
<input type="checkbox"/>	SMART	HOX	RT						3	9.3E-1	1.0E0
	Annotation Cluster 69	Enrichment Score: 0.07	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological quality	RT						11	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT						4	8.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	homeostatic process	RT						5	9.0E-1	1.0E0
	Annotation Cluster 70	Enrichment Score: 0.06	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular signaling cascade	RT						20	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell surface receptor linked signal transduction	RT						19	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	signal transduction	RT						39	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell communication	RT						43	9.3E-1	1.0E0
	Annotation Cluster 71	Enrichment Score: 0.06	G						Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	transit peptide:Mitochondrion	RT						4	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Mitochondrion	RT						8	9.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transit peptide	RT						4	9.6E-1	1.0E0
	Annotation Cluster 72	Enrichment Score: 0.04	G						Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	structural constituent of ribosome	RT						3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	ribosome	RT						3	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	structural molecule activity	RT						7	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT						7	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT						4	9.9E-1	1.0E0
	Annotation Cluster 73	Enrichment Score: 0.03	G						Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT						5	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell adhesion	RT						3	9.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT					8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT					8	9.6E-1	1.0E0
	Annotation Cluster 74		Enrichment Score: 0.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	secretory pathway	RT					3	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion by cell	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	secretion	RT					3	9.8E-1	1.0E0
	Annotation Cluster 75		Enrichment Score: 0.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT					4	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT					13	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT					5	9.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT					6	9.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT					5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT					5	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monovalent inorganic cation transport	RT					3	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT					8	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT					15	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT					9	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT					6	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT					7	9.9E-1	1.0E0
	Annotation Cluster 76		Enrichment Score: 0.02	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	response to DNA damage stimulus	RT					3	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to endogenous stimulus	RT					3	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	response to stress	RT					8	9.9E-1	1.0E0
	Annotation Cluster 77		Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	molecular transducer activity	RT					21	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	signal transducer activity	RT					21	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor activity	RT					17	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	receptor	RT					12	9.9E-1	1.0E0
	Annotation Cluster 78		Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT					20	9.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT					57	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT					22	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT					37	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT					75	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT					52	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT					41	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT					41	1.0E0	1.0E0
	Annotation Cluster 79		Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT					20	9.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	disulfide bond	RT					16	9.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT					22	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT					17	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT					18	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT					21	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycoprotein	RT					20	1.0E0	1.0E0
	Annotation Cluster 80		Enrichment Score: 0	G				Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Secreted	RT					10	1.0E0	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	signal peptide	RT					17	1.0E0	1.0E0

<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region	RT		20	1.0E0	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal	RT		21	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular space	RT		15	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular region part	RT		16	1.0E0	1.0E0

137 terms were not clustered.

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Functional Annotation Clustering Of Genes Downregulated <0.5 in WASP Deficient But Not In WT BMMCs

[Help and Manual](#)

Current Gene List: *wsp1 not wt1 <.5lo*

519 DAVID IDs

Options Classification Stringency Medium

Rerun using options

Create Sublist

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Annotation Cluster	Enrichment Score			Count	P_Value	Benjamini
Annotation Cluster 1 Enrichment Score: 4.49 G						
<input type="checkbox"/> GOTERM_BP_ALL	response to external stimulus	RT		31	2.7E-7	1.4E-3
<input type="checkbox"/> GOTERM_BP_ALL	taxis	RT		14	9.2E-7	2.4E-3
<input type="checkbox"/> GOTERM_BP_ALL	chemotaxis	RT		14	9.2E-7	2.4E-3
<input type="checkbox"/> GOTERM_BP_ALL	locomotory behavior	RT		15	1.7E-4	1.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	behavior	RT		16	4.4E-3	4.3E-1
<input type="checkbox"/> GOTERM_BP_ALL	response to chemical stimulus	RT		18	7.0E-3	5.3E-1
Annotation Cluster 2 Enrichment Score: 4.27 G						
<input type="checkbox"/> GOTERM_BP_ALL	response to external stimulus	RT		31	2.7E-7	1.4E-3
<input type="checkbox"/> GOTERM_BP_ALL	defense response	RT		25	7.1E-5	7.1E-2
<input type="checkbox"/> GOTERM_BP_ALL	response to wounding	RT		19	2.2E-4	1.2E-1
<input type="checkbox"/> GOTERM_BP_ALL	response to stress	RT		35	2.2E-4	1.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	inflammatory response	RT		15	4.9E-4	1.9E-1
Annotation Cluster 3 Enrichment Score: 2.32 G						
<input type="checkbox"/> GOTERM_CC_ALL	extracellular space	RT		66	5.5E-4	3.5E-1
<input type="checkbox"/> UP_SEQ_FEATURE	disulfide bond	RT		55	1.4E-3	1.0E0
<input type="checkbox"/> GOTERM_CC_ALL	extracellular region part	RT		66	2.2E-3	2.9E-1
<input type="checkbox"/> SP_PIR_KEYWORDS	glycoprotein	RT		82	3.8E-3	4.8E-1
<input type="checkbox"/> GOTERM_CC_ALL	extracellular region	RT		67	5.7E-3	5.2E-1
<input type="checkbox"/> UP_SEQ_FEATURE	signal peptide	RT		60	1.6E-2	1.0E0
<input type="checkbox"/> SP_PIR_KEYWORDS	signal	RT		68	1.9E-2	7.2E-1
<input type="checkbox"/> UP_SEQ_FEATURE	glycosylation site:N-linked (GlcNAc...)	RT		64	2.5E-2	1.0E0
Annotation Cluster 4 Enrichment Score: 2.14 G						
<input type="checkbox"/> SP_PIR_KEYWORDS	receptor	RT		44	5.3E-4	1.1E-1
<input type="checkbox"/> GOTERM_MF_ALL	receptor activity	RT		51	1.3E-3	6.8E-1
<input type="checkbox"/> GOTERM_MF_ALL	molecular transducer activity	RT		56	3.1E-3	8.1E-1
<input type="checkbox"/> GOTERM_MF_ALL	signal transducer activity	RT		56	3.1E-3	8.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell surface receptor linked signal transduction	RT		40	3.1E-2	8.3E-1
<input type="checkbox"/> GOTERM_BP_ALL	signal transduction	RT		68	5.7E-2	9.1E-1
<input type="checkbox"/> GOTERM_BP_ALL	cell communication	RT		72	9.2E-2	9.5E-1
Annotation Cluster 5 Enrichment Score: 2.12 G						
<input type="checkbox"/> SP_PIR_KEYWORDS	heterodimer	RT		8	5.6E-5	4.7E-2
<input type="checkbox"/> SP_PIR_KEYWORDS	calcium binding	RT		8	1.8E-4	7.3E-2
<input type="checkbox"/> SP_PIR_KEYWORDS	inflammation	RT		4	6.2E-3	4.9E-1
<input type="checkbox"/> PIR_SUPERFAMILY	PIRSF002353:S-100 protein	RT		3	4.0E-2	1.0E0
<input type="checkbox"/> INTERPRO	S100/CaBP-9k-type, calcium binding, subdomain	RT		3	5.8E-2	1.0E0
<input type="checkbox"/> INTERPRO	S100/CaBP-9k-type, calcium binding	RT		3	7.6E-2	1.0E0
<input type="checkbox"/> SP_PIR_KEYWORDS	EF hand	RT		3	1.4E-1	9.4E-1
Annotation Cluster 6 Enrichment Score: 2 G						

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell motility	RT		5	1.9E-3	3.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of locomotion	RT		5	2.2E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell motility	RT		7	6.7E-3	5.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of locomotion	RT		7	8.5E-3	5.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	locomotion	RT		7	1.3E-2	6.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	localization of cell	RT		16	1.4E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell motility	RT		16	1.4E-2	6.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell migration	RT		4	1.9E-1	9.9E-1
Annotation Cluster 7		Enrichment Score: 1.88		G			
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte chemotaxis	RT		5	1.6E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte migration	RT		5	7.2E-3	5.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	induction of positive chemotaxis	RT		3	1.9E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of positive chemotaxis	RT		3	1.9E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of positive chemotaxis	RT		3	1.9E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of chemotaxis	RT		3	2.2E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of chemotaxis	RT		3	2.2E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive chemotaxis	RT		3	2.2E-2	7.8E-1
Annotation Cluster 8		Enrichment Score: 1.86		G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	lysosome	RT		11	2.0E-4	5.5E-2
<input type="checkbox"/>	GOTERM_CC_ALL	vacuole	RT		13	1.5E-3	4.4E-1
<input type="checkbox"/>	GOTERM_CC_ALL	lytic vacuole	RT		12	1.8E-3	3.7E-1
<input type="checkbox"/>	GOTERM_CC_ALL	lysosome	RT		12	1.8E-3	3.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT		7	2.0E-3	1.0E0
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF001182:papain	RT		4	3.5E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Proteinase inhibitor I29, cathepsin propeptide	RT		4	5.6E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain C-terminal	RT		4	1.0E-2	1.0E0
<input type="checkbox"/>	SMART	Pept C1	RT		4	1.3E-2	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT		10	1.8E-2	7.4E-1
<input type="checkbox"/>	INTERPRO	Peptidase C1A, papain	RT		4	1.9E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	thiol protease	RT		6	7.8E-2	9.0E-1
<input type="checkbox"/>	INTERPRO	Peptidase, cysteine peptidase active site	RT		4	7.9E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Antigen processing and presentation	RT		5	1.6E-1	9.1E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type endopeptidase activity	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT		13	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	cysteine-type peptidase activity	RT		6	2.9E-1	1.0E0
Annotation Cluster 9		Enrichment Score: 1.82		G			
<input type="checkbox"/>	GOTERM_BP_ALL	apoptosis	RT		28	1.9E-3	3.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	death	RT		29	2.1E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell death	RT		29	2.1E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	programmed cell death	RT		28	2.5E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of apoptosis	RT		21	2.6E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of programmed cell death	RT		21	3.1E-3	4.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell development	RT		41	5.9E-3	5.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular process	RT		32	8.5E-3	5.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of apoptosis	RT		11	1.6E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of biological process	RT		34	1.7E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of programmed cell death	RT		11	1.8E-2	7.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	induction of programmed cell death	RT		9	2.6E-2	8.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	induction of apoptosis	RT		9	2.6E-2	8.0E-1

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of apoptosis	RT		10	2.7E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of programmed cell death	RT		10	3.0E-2	8.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	apoptosis	RT		11	5.5E-2	8.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT		50	6.7E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT		50	6.7E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT		13	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT		13	3.2E-1	1.0E0
Annotation Cluster 10		Enrichment Score: 1.79	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of defense response	RT		4	3.7E-3	4.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of inflammatory response	RT		4	3.7E-3	4.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of defense response	RT		4	3.1E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of inflammatory response	RT		4	3.1E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of response to stimulus	RT		4	8.0E-2	9.4E-1
Annotation Cluster 11		Enrichment Score: 1.66	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	integrin binding	RT		6	2.6E-4	5.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein complex binding	RT		6	9.7E-3	8.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Cell attachment site	RT		4	1.5E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Cell Communication	RT		4	6.1E-1	1.0E0
Annotation Cluster 12		Enrichment Score: 1.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	germ cell development	RT		7	1.7E-4	1.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		9	3.1E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	erythrocyte differentiation	RT		4	5.5E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell differentiation	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of developmental process	RT		3	5.8E-1	1.0E0
Annotation Cluster 13		Enrichment Score: 1.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	bone mineralization	RT		6	7.5E-4	2.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of bone mineralization	RT		5	7.8E-4	2.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoietic or lymphoid organ development	RT		15	2.2E-3	3.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hemopoiesis	RT		14	2.6E-3	3.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		9	3.1E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		6	3.3E-3	3.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of ossification	RT		5	3.7E-3	4.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	immune system development	RT		15	3.9E-3	4.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of bone mineralization	RT		3	4.4E-3	4.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of bone remodeling	RT		5	5.9E-3	4.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of ossification	RT		3	9.1E-3	5.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of bone remodeling	RT		3	9.1E-3	5.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell differentiation	RT		10	2.1E-2	7.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	ossification	RT		7	2.7E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biomineral formation	RT		7	2.8E-2	8.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal development	RT		10	3.0E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of osteoblast differentiation	RT		3	3.6E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	bone remodeling	RT		7	3.8E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of bone remodeling	RT		3	4.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	erythrocyte differentiation	RT		4	5.5E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cell differentiation	RT		6	5.9E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tissue remodeling	RT		7	7.2E-2	9.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytokine	RT		8	7.3E-2	8.9E-1

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of myeloid cell differentiation	RT		3	7.4E-2	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of developmental process	RT		6	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of developmental process	RT		11	1.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transmembrane receptor protein serine/threonine kinase signaling pathway	RT		5	1.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	osteoblast differentiation	RT		3	1.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	BMP signaling pathway	RT		3	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	proteinaceous extracellular matrix	RT		10	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	extracellular matrix	RT		10	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of multicellular organismal process	RT		3	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tissue development	RT		10	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	cytokine activity	RT		7	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	receptor binding	RT		14	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	growth factor activity	RT		4	7.1E-1	1.0E0
Annotation Cluster 14		Enrichment Score: 1.39	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	calcium binding	RT		8	1.8E-4	7.3E-2
<input type="checkbox"/>	GOTERM_BP_ALL	muscle system process	RT		3	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	muscle contraction	RT		3	6.1E-1	1.0E0
Annotation Cluster 15		Enrichment Score: 1.38	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 3 (via carbonyl oxygen)	RT		5	3.2E-4	9.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 4 (via carbonyl oxygen)	RT		4	4.1E-4	9.5E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT		7	2.0E-3	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 1	RT		5	9.5E-3	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 2	RT		5	1.3E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	peptidoglycan metabolic process	RT		4	1.3E-2	6.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 3	RT		4	1.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Calcium 2 (via carbonyl oxygen)	RT		4	2.0E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 2 (in inhibited form)	RT		3	2.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 2 (catalytic)	RT		3	2.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	metalloproteinase	RT		3	3.0E-2	8.1E-1
<input type="checkbox"/>	INTERPRO	Peptidoglycan binding-like	RT		3	5.8E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	extracellular matrix	RT		9	7.1E-2	8.9E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 3	RT		3	7.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 4	RT		3	7.2E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 1	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Hemopexin-like 2	RT		3	7.9E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Hemopexin	RT		3	9.0E-2	1.0E0
<input type="checkbox"/>	SMART	HX	RT		3	9.4E-2	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase, metallopeptidases	RT		3	9.6E-2	1.0E0
<input type="checkbox"/>	SMART	ZnMc	RT		3	1.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase M10A and M12B, matrixin and adamalysin	RT		3	1.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	short sequence motif:Cysteine switch	RT		3	1.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Zinc 1	RT		3	3.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Peptidase M, neutral zinc metallopeptidases, zinc-binding site	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	metalloendopeptidase activity	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	metalloprotease	RT		3	7.6E-1	1.0E0
Annotation Cluster 16		Enrichment Score: 1.31	G		Count	P_Value	Benjamini

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT					10	1.4E-2	7.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT					10	1.8E-2	7.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT					9	3.1E-2	8.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein kinase activity	RT					4	8.0E-2	9.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of kinase activity	RT					4	8.0E-2	9.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transferase activity	RT					4	8.9E-2	9.5E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of catalytic activity	RT					4	1.5E-1	9.8E-1	
	Annotation Cluster 17	Enrichment Score: 1.27	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of progression through cell cycle	RT					10	3.2E-3	3.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of progression through cell cycle	RT					16	1.5E-2	7.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell cycle	RT					16	1.6E-2	7.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle process	RT					18	1.3E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell cycle	RT					19	3.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell cycle	RT					8	6.7E-1	1.0E0	
	Annotation Cluster 18	Enrichment Score: 1.24	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	lipid binding	RT					16	3.2E-2	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	phospholipid binding	RT					10	6.2E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide binding	RT					8	9.6E-2	1.0E0	
	Annotation Cluster 19	Enrichment Score: 1.23	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc-finger	RT					39	1.3E-2	6.4E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	zinc	RT					46	2.3E-2	7.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	transition metal ion binding	RT					65	3.7E-2	9.9E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	metal-binding	RT					57	6.9E-2	9.0E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	cation binding	RT					84	8.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	zinc ion binding	RT					51	8.9E-2	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ion binding	RT					90	1.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion binding	RT					87	1.8E-1	1.0E0	
	Annotation Cluster 20	Enrichment Score: 1.22	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	pancreatic ribonuclease activity	RT					4	4.6E-3	7.9E-1	
<input type="checkbox"/>	INTERPRO	Pancreatic ribonuclease	RT					4	4.7E-3	1.0E0	
<input type="checkbox"/>	SMART	RNase Pc	RT					4	5.1E-3	9.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity, producing 3'-phosphomonoesters	RT					4	6.5E-3	8.0E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity, active with either ribo- or deoxyribonucleic acids and producing 3'-phosphomonoesters	RT					4	8.8E-3	8.6E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	ribonuclease activity	RT					5	4.6E-2	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	endoribonuclease activity	RT					4	6.3E-2	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton donor	RT					5	2.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	nuclease	RT					4	2.2E-1	9.8E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Substrate binding	RT					3	2.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	endonuclease activity	RT					4	2.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Endonuclease	RT					3	3.0E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	nuclease activity	RT					5	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on ester bonds	RT					10	9.3E-1	1.0E0	
	Annotation Cluster 21	Enrichment Score: 1.21	G					Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen	RT					5	3.7E-2	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	dioxygenase activity	RT					5	3.7E-2	9.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity, acting on single donors with incorporation of molecular	RT					5	3.9E-2	9.9E-1	

<input type="checkbox"/>	GOTERM_MF_ALL	oxygen								
<input type="checkbox"/>		iron ion binding	RT							
	Annotation Cluster 22	Enrichment Score: 1.2	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	germ cell development	RT				7	1.7E-4	1.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	gamete generation	RT				11	5.3E-2	9.0E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	sexual reproduction	RT				12	7.2E-2	9.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	reproduction	RT				13	2.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	male gamete generation	RT				5	6.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	spermatogenesis	RT				5	6.0E-1	1.0E0	
	Annotation Cluster 23	Enrichment Score: 1.17	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	cell-substrate adhesion	RT				8	2.2E-3	3.4E-1	
<input type="checkbox"/>	KEGG_PATHWAY	ECM-receptor interaction	RT				8	7.3E-3	7.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell-matrix adhesion	RT				7	7.6E-3	5.4E-1	
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF002512:integrin, beta subunit	RT				3	1.2E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, subgroup	RT				3	1.2E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, tail	RT				3	1.6E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, N-terminal	RT				3	1.6E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Integrin beta subunit, C-terminal	RT				3	1.9E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Integrin beta subunit	RT				3	1.9E-2	1.0E0	
<input type="checkbox"/>	SMART	INB	RT				3	2.0E-2	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell adhesion	RT				23	3.5E-2	8.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	biological adhesion	RT				23	3.5E-2	8.4E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Focal adhesion	RT				10	7.0E-2	8.5E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	duplication	RT				6	1.3E-1	9.4E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Integrin	RT				4	1.6E-1	9.5E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	integrin complex	RT				3	1.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	von Willebrand factor, type A	RT				4	2.4E-1	1.0E0	
<input type="checkbox"/>	SMART	VWA	RT				4	2.7E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Plexin/semaphorin/integrin	RT				3	2.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	integrin-mediated signaling pathway	RT				4	2.8E-1	1.0E0	
<input type="checkbox"/>	SMART	PSI	RT				3	2.9E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell adhesion	RT				10	3.2E-1	9.9E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Cell adhesion molecules (CAMs)	RT				5	5.0E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_CC_ALL	receptor complex	RT				3	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	identical protein binding	RT				7	5.9E-1	1.0E0	
<input type="checkbox"/>	KEGG_PATHWAY	Regulation of actin cytoskeleton	RT				5	8.0E-1	1.0E0	
	Annotation Cluster 24	Enrichment Score: 1.15	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	pattern binding	RT				10	4.7E-4	4.7E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	polysaccharide binding	RT				9	1.3E-3	5.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	heparin binding	RT				7	4.1E-3	7.9E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	carbohydrate binding	RT				15	5.6E-3	8.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	chondrocyte differentiation	RT				4	6.4E-3	5.1E-1	
<input type="checkbox"/>	GOTERM_MF_ALL	glycosaminoglycan binding	RT				7	1.4E-2	9.1E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cartilage development	RT				5	3.4E-2	8.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure formation	RT				10	4.2E-2	8.6E-1	
<input type="checkbox"/>	UP_SEQ_FEATURE	region of interest:Heparin-binding	RT				3	4.7E-2	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	angiogenesis	RT				8	6.0E-2	9.2E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	heparin-binding	RT				4	1.2E-1	9.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel development	RT				9	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	vasculature development	RT				9	1.5E-1	9.8E-1	

<input type="checkbox"/>	GO TERM	Enrichment Score	RT	Count	P-Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	blood vessel morphogenesis	RT	8	1.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	branching morphogenesis of a tube	RT	4	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	morphogenesis of a branching structure	RT	4	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT	4	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT	4	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	heart development	RT	7	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT	6	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	tube development	RT	7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT	6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	central nervous system development	RT	7	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	brain development	RT	5	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organ morphogenesis	RT	12	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell fate commitment	RT	3	6.7E-1	1.0E0
Annotation Cluster 25		Enrichment Score: 1.14	G			
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of a molecular function	RT	18	8.1E-3	5.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of kinase activity	RT	10	1.4E-2	7.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transferase activity	RT	10	1.8E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of catalytic activity	RT	15	2.6E-2	8.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein kinase activity	RT	9	3.1E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of catalytic activity	RT	6	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein kinase activity	RT	4	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of kinase activity	RT	4	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transferase activity	RT	4	4.8E-1	1.0E0
Annotation Cluster 26		Enrichment Score: 1.11	G			
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-galactosyltransferase activity	RT	4	6.5E-3	8.0E-1
<input type="checkbox"/>	GOTERM_MF_ALL	galactosyltransferase activity	RT	4	2.5E-2	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	signal-anchor	RT	14	3.1E-2	7.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycosyltransferase	RT	9	4.1E-2	8.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycan structures - biosynthesis 2	RT	5	5.5E-2	8.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	UDP-glycosyltransferase activity	RT	6	6.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring glycosyl groups	RT	10	7.2E-2	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Glycosphingolipid biosynthesis - neolactoseries	RT	3	7.2E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein metabolic process	RT	6	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid glycosylation	RT	5	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring hexosyl groups	RT	7	1.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	golgi apparatus	RT	14	1.2E-1	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer glycosylation	RT	5	1.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	glycoprotein biosynthetic process	RT	5	1.5E-1	9.8E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Luminal	RT	8	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	Golgi apparatus	RT	14	4.6E-1	1.0E0
Annotation Cluster 27		Enrichment Score: 1.01	G			
<input type="checkbox"/>	GOTERM_BP_ALL	developmental process	RT	80	2.0E-2	7.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular developmental process	RT	50	6.7E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cell differentiation	RT	50	6.7E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure development	RT	54	8.2E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	organ development	RT	39	9.0E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	system development	RT	46	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anatomical structure morphogenesis	RT	31	2.0E-1	9.9E-1

<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal process	RT					69	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal development	RT					54	2.5E-1	1.0E0
	Annotation Cluster 28	Enrichment Score: 0.99	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	collagen degradation	RT					3	5.0E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal macromolecule catabolic process	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal protein metabolic process	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	collagen catabolic process	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein digestion	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal macromolecule metabolic process	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal protein catabolic process	RT					3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	collagen metabolic process	RT					3	6.8E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal catabolic process	RT					3	6.8E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organismal metabolic process	RT					3	9.4E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	digestion	RT					3	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer catabolic process	RT					7	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein catabolic process	RT					5	6.5E-1	1.0E0
	Annotation Cluster 29	Enrichment Score: 0.99	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide catabolic process	RT					4	1.1E-2	6.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	nucleotide metabolic process	RT					7	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside and nucleotide metabolic process	RT					7	3.3E-1	1.0E0
	Annotation Cluster 30	Enrichment Score: 0.99	G					Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT					47	2.2E-2	7.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT					79	3.2E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT					47	4.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT					80	4.6E-2	8.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT					75	7.6E-2	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	catalytic activity	RT					126	8.6E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	metabolic process	RT					172	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	primary metabolic process	RT					155	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular metabolic process	RT					153	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule metabolic process	RT					133	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT					97	5.5E-1	1.0E0
	Annotation Cluster 31	Enrichment Score: 0.95	G					Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	propeptide:Activation peptide	RT					7	2.0E-3	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Zymogen	RT					10	1.8E-2	7.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	hydrolase	RT					35	1.1E-1	9.4E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	protease	RT					15	1.3E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT					13	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	proteolysis	RT					18	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptidase activity	RT					15	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity	RT					43	7.8E-1	1.0E0
	Annotation Cluster 32	Enrichment Score: 0.9	G					Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	antimicrobial	RT					4	7.0E-2	9.0E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to other organism	RT					7	9.6E-2	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to bacterium	RT					5	1.2E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	response to biotic stimulus	RT					9	1.3E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	defense response to bacterium	RT					4	1.5E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	antibiotic	RT					3	1.8E-1	9.7E-1

<input type="checkbox"/>											
<input type="checkbox"/>	GOTERM_BP_ALL	multi-organism process	RT						8	1.9E-1	9.9E-1
	Annotation Cluster 33		Enrichment Score: 0.89		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cell proliferation	RT						19	5.5E-2	9.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT						8	1.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell proliferation	RT						12	2.2E-1	9.9E-1
	Annotation Cluster 34		Enrichment Score: 0.89		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	profilin binding	RT						3	9.2E-3	8.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT						5	2.2E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT						9	7.7E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT						8	1.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_CC_ALL	focal adhesion	RT						3	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	adherens junction	RT						4	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell-substrate adherens junction	RT						3	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell-matrix junction	RT						3	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	basolateral plasma membrane	RT						4	2.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT						5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell junction	RT						7	8.3E-1	1.0E0
	Annotation Cluster 35		Enrichment Score: 0.89		G				Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SET	RT						3	4.1E-2	1.0E0
<input type="checkbox"/>	INTERPRO	SET	RT						3	2.3E-1	1.0E0
<input type="checkbox"/>	SMART	SET	RT						3	2.4E-1	1.0E0
	Annotation Cluster 36		Enrichment Score: 0.88		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	histone modification	RT						4	7.3E-2	9.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	covalent chromatin modification	RT						4	8.9E-2	9.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	bromodomain	RT						3	1.3E-1	9.4E-1
<input type="checkbox"/>	INTERPRO	Bromodomain	RT						3	1.9E-1	1.0E0
<input type="checkbox"/>	SMART	BROMO	RT						3	2.3E-1	1.0E0
	Annotation Cluster 37		Enrichment Score: 0.88		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle phase	RT						4	3.9E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle process	RT						4	4.2E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female gonad development	RT						4	5.8E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary female sexual characteristics	RT						4	6.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	female sex differentiation	RT						4	6.5E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	menstrual cycle	RT						4	6.9E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	rhythmic process	RT						5	1.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	gonad development	RT						4	1.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive structure development	RT						4	1.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	development of primary sexual characteristics	RT						4	1.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism reproduction	RT						4	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process in a multicellular organism	RT						4	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	sex differentiation	RT						4	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive developmental process	RT						4	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	reproductive process	RT						4	8.9E-1	1.0E0
	Annotation Cluster 38		Enrichment Score: 0.87		G				Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	diacylglycerol binding	RT						4	1.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Protein kinase C, phorbol ester/diacylglycerol binding	RT						4	1.5E-1	1.0E0
<input type="checkbox"/>	SMART	C1	RT						4	1.6E-1	1.0E0
	Annotation Cluster 39		Enrichment Score: 0.86		G				Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_BP_ALL	chromatin modification	RT		10	1.7E-2	7.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment and/or maintenance of chromatin architecture	RT		11	4.1E-2	8.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA packaging	RT		11	4.8E-2	8.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	chromosome organization and biogenesis	RT		12	9.3E-2	9.6E-1	
<input type="checkbox"/>	INTERPRO	Zinc finger, PHD-type	RT		4	2.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	organelle organization and biogenesis	RT		28	2.9E-1	1.0E0	
<input type="checkbox"/>	SMART	PHD	RT		4	3.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Chromatin regulator	RT		4	3.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	DNA metabolic process	RT		13	7.0E-1	1.0E0	
		Annotation Cluster 40	Enrichment Score: 0.85	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of multicellular organism growth	RT		4	1.1E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	multicellular organism growth	RT		4	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of growth	RT		7	1.8E-1	9.9E-1	
		Annotation Cluster 41	Enrichment Score: 0.84	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, RING/FYVE/PHD-type	RT		8	5.3E-2	1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger, RING-type	RT		9	1.4E-1	1.0E0	
<input type="checkbox"/>	SMART	RING	RT		9	2.1E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:RING-type	RT		5	2.7E-1	1.0E0	
		Annotation Cluster 42	Enrichment Score: 0.84	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	platelet activation	RT		3	3.6E-2	8.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	blood coagulation	RT		4	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	coagulation	RT		4	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	hemostasis	RT		4	1.5E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of body fluid levels	RT		4	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	wound healing	RT		4	3.3E-1	1.0E0	
		Annotation Cluster 43	Enrichment Score: 0.83	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Basic-leucine zipper (bZIP) transcription factor	RT		4	9.6E-2	1.0E0	
<input type="checkbox"/>	SMART	BRLZ	RT		4	1.2E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Leucine-zipper	RT		5	1.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	protein dimerization activity	RT		10	1.6E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	DNA-binding region:Basic motif	RT		5	2.7E-1	1.0E0	
		Annotation Cluster 44	Enrichment Score: 0.81	G		Count	P_Value	Benjamini
<input type="checkbox"/>	KEGG_PATHWAY	TGF-beta signaling pathway	RT		7	2.5E-2	8.3E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regionalization	RT		8	4.0E-2	8.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	transmembrane receptor protein serine/threonine kinase signaling pathway	RT		5	1.2E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm formation	RT		3	1.3E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT		9	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm morphogenesis	RT		3	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	gastrulation	RT		4	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	formation of primary germ layer	RT		3	1.5E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	dorsal/ventral pattern formation	RT		3	2.4E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	urogenital system development	RT		4	2.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	mesoderm development	RT		3	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	kidney development	RT		3	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	tissue morphogenesis	RT		3	5.1E-1	1.0E0	
		Annotation Cluster 45	Enrichment Score: 0.8	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	myeloid cell differentiation	RT		9	3.1E-3	3.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of myeloid cell differentiation	RT		6	3.3E-3	3.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell activation	RT		11	4.8E-2	8.9E-1	

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell activation	RT		5	9.4E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell activation	RT		4	1.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	T cell proliferation	RT		4	1.6E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of T cell proliferation	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cell proliferation	RT		8	1.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte activation	RT		5	1.8E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	T cell activation	RT		6	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	anti-apoptosis	RT		5	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte activation	RT		4	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell activation	RT		5	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of lymphocyte proliferation	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of mononuclear cell proliferation	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte activation	RT		8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte proliferation	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	mononuclear cell proliferation	RT		4	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of T cell proliferation	RT		3	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte activation	RT		7	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of lymphocyte proliferation	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of mononuclear cell proliferation	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte differentiation	RT		4	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte differentiation	RT		3	6.9E-1	1.0E0
Annotation Cluster 46		Enrichment Score: 0.77	G		Count	P_Value	Benjamini
<input type="checkbox"/>	PIR_SUPERFAMILY	PIRSF000615:tyrosine-protein kinase, CSF-1/PDGF receptor type	RT		3	8.5E-3	1.0E0
<input type="checkbox"/>	INTERPRO	Receptor tyrosine kinase, class III, conserved region	RT		3	1.9E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	proto-oncogene	RT		6	3.8E-2	8.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	autophosphorylation	RT		4	6.3E-2	8.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transmembrane receptor protein tyrosine kinase signaling pathway	RT		8	1.3E-1	9.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	ATP	RT		7	1.5E-1	9.5E-1
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase, active site	RT		5	1.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 3	RT		4	1.8E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Hematopoietic cell lineage	RT		5	1.8E-1	9.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor protein tyrosine kinase activity	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-protein kinase	RT		5	2.3E-1	9.8E-1
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT		6	2.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	tyrosine-specific protein kinase	RT		3	2.7E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Tyrosine protein kinase	RT		5	2.9E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 1	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Ig-like C2-type 2	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	SMART	TyrKc	RT		5	3.3E-1	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT		6	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT		9	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	phosphotransferase	RT		4	5.4E-1	1.0E0
Annotation Cluster 47		Enrichment Score: 0.73	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, ZZ-type	RT		3	4.2E-2	1.0E0
<input type="checkbox"/>	SMART	ZnF_ZZ	RT		3	4.4E-2	9.9E-1

<input type="checkbox"/>	SP_PIR_KEYWORDS	activator	RT		15	5.2E-2	8.8E-1
<input type="checkbox"/>	BIOCARTA	IL-7 Signal Transduction	RT		3	1.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription from RNA polymerase II promoter	RT		13	2.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	transcription from RNA polymerase II promoter	RT		14	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of cellular metabolic process	RT		13	2.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription, DNA-dependent	RT		9	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of metabolic process	RT		13	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription	RT		9	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription from RNA polymerase II promoter	RT		6	5.5E-1	1.0E0
Annotation Cluster 48		Enrichment Score: 0.72		G			
<input type="checkbox"/>	GOTERM_BP_ALL	regionalization	RT		8	4.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	pattern specification process	RT		9	1.4E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid alkylation	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid methylation	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	one-carbon compound metabolic process	RT		4	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	anterior/posterior pattern formation	RT		4	3.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer methylation	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	methylation	RT		3	3.5E-1	1.0E0
Annotation Cluster 49		Enrichment Score: 0.71		G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	transferase	RT		41	1.1E-2	6.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein modification process	RT		47	2.2E-2	7.8E-1
<input type="checkbox"/>	INTERPRO	Protein kinase, C-terminal	RT		5	3.0E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule metabolic process	RT		79	3.2E-2	8.3E-1
<input type="checkbox"/>	SMART	S_TK_X	RT		5	3.3E-2	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	enzyme linked receptor protein signaling pathway	RT		13	3.4E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer modification	RT		47	4.0E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	protein metabolic process	RT		80	4.6E-2	8.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	kinase	RT		23	5.1E-2	8.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity	RT		50	5.4E-2	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Proton acceptor	RT		18	5.5E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular protein metabolic process	RT		75	7.6E-2	9.4E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:AGC-kinase C-terminal	RT		4	1.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	kinase activity	RT		25	1.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein-tyrosine kinase activity	RT		11	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein serine/threonine kinase activity	RT		15	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid phosphorylation	RT		18	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring phosphorus-containing groups	RT		27	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	post-translational protein modification	RT		35	2.3E-1	9.9E-1
<input type="checkbox"/>	INTERPRO	Protein kinase, core	RT		11	2.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	phosphotransferase activity, alcohol group as acceptor	RT		19	2.7E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:Protein kinase	RT		11	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorylation	RT		19	2.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase	RT		7	3.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	nucleotide phosphate-binding region:ATP	RT		17	3.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Serine/threonine-protein kinase	RT		10	3.4E-1	1.0E0

<input type="checkbox"/>	UP_SEQ_FEATURE	binding site:ATP	RT		11	3.7E-1	1.0E0
<input type="checkbox"/>	SMART	S_TKc	RT		10	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protein kinase activity	RT		15	4.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Serine/threonine protein kinase, active site	RT		7	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphorus metabolic process	RT		20	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	phosphate metabolic process	RT		20	4.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	atp-binding	RT		22	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl nucleotide binding	RT		27	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATP binding	RT		25	8.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleotide-binding	RT		24	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	adenyl ribonucleotide binding	RT		25	8.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleotide binding	RT		35	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine nucleotide binding	RT		30	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ribonucleotide binding	RT		28	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	purine ribonucleotide binding	RT		28	9.6E-1	1.0E0
Annotation Cluster 50		Enrichment Score: 0.7	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate catabolic process	RT		6	3.2E-2	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	carbohydrate metabolic process	RT		16	3.4E-2	8.4E-1
<input type="checkbox"/>	KEGG_PATHWAY	Glycolysis / Gluconeogenesis	RT		5	5.5E-2	8.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate catabolic process	RT		5	8.8E-2	9.5E-1
<input type="checkbox"/>	KEGG_PATHWAY	Fructose and mannose metabolism	RT		4	1.0E-1	8.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule catabolic process	RT		11	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	hexose metabolic process	RT		6	2.2E-1	9.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	glycolysis	RT		3	2.2E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide metabolic process	RT		6	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT		9	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glycolysis	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose catabolic process	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	hexose catabolic process	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	monosaccharide catabolic process	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular carbohydrate metabolic process	RT		8	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol catabolic process	RT		3	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	glucose metabolic process	RT		4	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular macromolecule catabolic process	RT		7	5.1E-1	1.0E0
Annotation Cluster 51		Enrichment Score: 0.69	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component organization and biogenesis	RT		6	1.9E-2	7.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin polymerization and/or depolymerization	RT		5	2.2E-2	7.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament-based process	RT		9	7.7E-2	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament capping	RT		3	8.7E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of actin filament depolymerization	RT		3	8.7E-2	9.5E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament depolymerization	RT		3	1.0E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin filament depolymerization	RT		3	1.0E-1	9.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoskeleton	RT		11	1.2E-1	9.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	RT		8	1.3E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	actin binding	RT		10	1.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein depolymerization	RT		3	2.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin polymerization and/or depolymerization	RT		3	2.1E-1	9.9E-1

<input type="checkbox"/>	GOTERM_MF_ALL	cytoskeletal protein binding	RT		12	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin filament length	RT		3	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular component organization and biogenesis	RT		3	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of actin cytoskeleton organization and biogenesis	RT		3	2.2E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular component size	RT		3	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of organelle organization and biogenesis	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cytoskeleton organization and biogenesis	RT		3	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton organization and biogenesis	RT		14	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	actin cytoskeleton	RT		7	3.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT		8	4.1E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	actin-binding	RT		5	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of protein metabolic process	RT		3	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeleton	RT		14	9.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular non-membrane-bound organelle	RT		23	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	non-membrane-bound organelle	RT		23	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoskeletal part	RT		6	9.9E-1	1.0E0
Annotation Cluster 52		Enrichment Score: 0.68	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Proteinase inhibitor I25, cystatin	RT		3	8.3E-2	1.0E0
<input type="checkbox"/>	SMART	CY	RT		3	8.7E-2	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	enzyme inhibitor activity	RT		7	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase inhibitor activity	RT		5	3.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	protease inhibitor activity	RT		5	4.0E-1	1.0E0
Annotation Cluster 53		Enrichment Score: 0.64	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	lamellipodium	RT		6	7.4E-3	5.6E-1
<input type="checkbox"/>	GOTERM_CC_ALL	leading edge	RT		7	1.7E-2	7.6E-1
<input type="checkbox"/>	INTERPRO	Pleckstrin homology-type	RT		11	3.8E-2	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of signal transduction	RT		16	5.8E-2	9.2E-1
<input type="checkbox"/>	INTERPRO	Pleckstrin-like	RT		8	1.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl-nucleotide exchange factor activity	RT		6	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Rho protein signal transduction	RT		4	2.1E-1	9.9E-1
<input type="checkbox"/>	SMART	PH	RT		8	2.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Ras guanyl-nucleotide exchange factor activity	RT		4	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of small GTPase mediated signal transduction	RT		6	3.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	DH	RT		3	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Rho protein signal transduction	RT		4	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of Ras protein signal transduction	RT		5	3.6E-1	1.0E0
<input type="checkbox"/>	SMART	RhoGEF	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	Rho guanyl-nucleotide exchange factor activity	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cell projection	RT		3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GTPase regulator activity	RT		8	6.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	Ras protein signal transduction	RT		5	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small GTPase regulator activity	RT		5	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cell projection	RT		6	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	small GTPase mediated signal transduction	RT		6	9.4E-1	1.0E0
Annotation Cluster 54		Enrichment Score: 0.64	G		Count	P_Value	Benjamini

<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transcription factor activity	RT		3	9.4E-2	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription cofactor activity	RT		7	1.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription factor activity	RT		3	1.5E-1	9.8E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor binding	RT		9	1.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription corepressor activity	RT		3	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription activator activity	RT		6	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription coactivator activity	RT		3	5.5E-1	1.0E0
Annotation Cluster 55		Enrichment Score: 0.61	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of phagocytosis	RT		3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phagocytosis	RT		3	6.2E-2	9.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of endocytosis	RT		3	1.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_BP_ALL	phagocytosis	RT		3	1.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of endocytosis	RT		3	2.1E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of transport	RT		3	2.3E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transport	RT		4	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane organization and biogenesis	RT		7	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	endocytosis	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	membrane invagination	RT		5	5.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	vesicle-mediated transport	RT		7	9.2E-1	1.0E0
Annotation Cluster 56		Enrichment Score: 0.6	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of G-protein coupled receptor protein signaling pathway	RT		5	1.4E-3	3.5E-1
<input type="checkbox"/>	INTERPRO	Receptor activity modifying protein	RT		3	1.4E-3	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	coreceptor activity	RT		3	1.9E-2	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	protein transporter activity	RT		4	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular transport	RT		13	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	intracellular protein transport	RT		7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of cellular localization	RT		13	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular localization	RT		13	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein transport	RT		9	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	protein localization	RT		10	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of protein localization	RT		9	9.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	protein transport	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule localization	RT		10	9.9E-1	1.0E0
Annotation Cluster 57		Enrichment Score: 0.57	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	plasma membrane part	RT		33	2.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to plasma membrane	RT		16	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to plasma membrane	RT		16	3.3E-1	1.0E0
Annotation Cluster 58		Enrichment Score: 0.57	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	chondrocyte differentiation	RT		4	6.4E-3	5.1E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cartilage development	RT		5	3.4E-2	8.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amino acid metabolic process	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of amine metabolic process	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of protein amino acid phosphorylation	RT		3	1.7E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein amino acid phosphorylation	RT		3	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amine metabolic process	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of amino acid metabolic process	RT		3	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nitrogen compound metabolic process	RT		11	4.2E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorylation	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphorus metabolic process	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of phosphate metabolic process	RT		3	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amine metabolic process	RT		10	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid metabolic process	RT		7	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	amino acid and derivative metabolic process	RT		8	5.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	carboxylic acid metabolic process	RT		9	8.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	organic acid metabolic process	RT		9	8.6E-1	1.0E0
Annotation Cluster 59		Enrichment Score: 0.55	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	steroid binding	RT		4	1.3E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding_core	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Steroid hormone receptor	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Nuclear hormone receptor, ligand-binding	RT		3	2.8E-1	1.0E0
<input type="checkbox"/>	SMART	HOLI	RT		3	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	steroid hormone receptor activity	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligand-dependent nuclear receptor activity	RT		3	4.2E-1	1.0E0
Annotation Cluster 60		Enrichment Score: 0.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biological regulation	RT		121	1.4E-3	3.4E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular process	RT		101	4.1E-3	4.2E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biological process	RT		109	5.0E-3	4.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription regulation	RT		33	1.9E-1	9.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	Transcription	RT		33	2.1E-1	9.8E-1
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of metabolic process	RT		59	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription regulator activity	RT		31	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription, DNA-dependent	RT		48	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular metabolic process	RT		55	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA biosynthetic process	RT		48	4.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transcription	RT		51	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription, DNA-dependent	RT		47	4.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		50	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of transcription	RT		49	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	sequence-specific DNA binding	RT		12	5.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	biopolymer metabolic process	RT		97	5.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of gene expression	RT		51	5.7E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	dna-binding	RT		28	5.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transcription factor activity	RT		20	6.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT		83	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	DNA binding	RT		39	7.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleic acid binding	RT		62	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	RNA metabolic process	RT		51	8.0E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	nucleus	RT		61	8.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	gene expression	RT		58	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		62	9.3E-1	1.0E0
Annotation Cluster 61		Enrichment Score: 0.54	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	immune response	RT		9	1.0E-2	6.3E-1
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of multicellular organismal process	RT		7	5.7E-2	9.1E-1

<input type="checkbox"/>	Category	Term	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	innate immunity	RT		3	2.9E-1	9.9E-1
<input type="checkbox"/>	GOTERM_BP_ALL	innate immune response	RT		4	3.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	immune effector process	RT		5	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune system process	RT		4	3.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune system process	RT		4	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	activation of immune response	RT		3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	lymphocyte mediated immunity	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	positive regulation of immune response	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	leukocyte mediated immunity	RT		3	6.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of immune response	RT		3	7.1E-1	1.0E0
Annotation Cluster 62		Enrichment Score: 0.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine production	RT		6	1.1E-1	9.7E-1
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine metabolic process	RT		3	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cytokine biosynthetic process	RT		3	5.0E-1	1.0E0
Annotation Cluster 63		Enrichment Score: 0.52	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	transmembrane	RT		78	2.0E-1	9.7E-1
<input type="checkbox"/>	UP_SEQ_FEATURE	transmembrane region	RT		58	2.1E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Cytoplasmic	RT		44	2.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	integral to membrane	RT		94	2.9E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	membrane	RT		95	3.0E-1	9.9E-1
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to membrane	RT		94	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane part	RT		105	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane	RT		128	4.3E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	topological domain:Extracellular	RT		32	4.7E-1	1.0E0
Annotation Cluster 64		Enrichment Score: 0.51	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid acylation	RT		3	1.1E-1	9.6E-1
<input type="checkbox"/>	GOTERM_MF_ALL	N-acyltransferase activity	RT		4	1.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acyltransferase activity	RT		6	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	N-acetyltransferase activity	RT		3	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring groups other than amino-acyl groups	RT		6	3.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transferase activity, transferring acyl groups	RT		6	3.7E-1	1.0E0
<input type="checkbox"/>	COG_ONTOLOGY	Lipid metabolism	RT		3	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acetyltransferase activity	RT		3	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	acyltransferase	RT		4	5.6E-1	1.0E0
Annotation Cluster 65		Enrichment Score: 0.48	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	lectin	RT		7	1.2E-1	9.4E-1
<input type="checkbox"/>	GOTERM_MF_ALL	sugar binding	RT		7	2.6E-1	1.0E0
<input type="checkbox"/>	SMART	CLECT	RT		4	5.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	C-type lectin	RT		3	7.3E-1	1.0E0
Annotation Cluster 66		Enrichment Score: 0.48	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	repressor	RT		11	9.7E-2	9.3E-1
<input type="checkbox"/>	GOTERM_MF_ALL	transcription repressor activity	RT		7	1.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of metabolic process	RT		12	2.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription	RT		8	4.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	RT		8	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription, DNA-dependent	RT		6	4.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of cellular metabolic process	RT		9	5.0E-1	1.0E0

<input type="checkbox"/>	GOTERM_BP_ALL	negative regulation of transcription from RNA polymerase II promoter	RT				4	6.4E-1	1.0E0	
	Annotation Cluster 67	Enrichment Score: 0.48	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	protein amino acid autophosphorylation	RT				3	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein autophosphorylation	RT				3	2.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	protein processing	RT				3	5.6E-1	1.0E0	
	Annotation Cluster 68	Enrichment Score: 0.46	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	lung development	RT				4	1.9E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	respiratory tube development	RT				4	2.0E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	heart development	RT				7	2.2E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	muscle cell differentiation	RT				4	2.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	myoblast differentiation	RT				3	2.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	striated muscle development	RT				5	3.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle development	RT				4	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	muscle fiber development	RT				3	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	skeletal muscle fiber development	RT				3	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT				6	5.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	muscle development	RT				5	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT				5	7.1E-1	1.0E0	
	Annotation Cluster 69	Enrichment Score: 0.46	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	SP_PIR_KEYWORDS	cholesterol metabolism	RT				3	9.8E-2	9.2E-1	
<input type="checkbox"/>	SP_PIR_KEYWORDS	steroid metabolism	RT				3	1.6E-1	9.6E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	alcohol metabolic process	RT				9	2.7E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipid metabolism	RT				4	3.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cholesterol metabolic process	RT				3	4.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	sterol metabolic process	RT				3	5.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	steroid metabolic process	RT				4	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane fraction	RT				8	8.9E-1	1.0E0	
	Annotation Cluster 70	Enrichment Score: 0.46	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	INTERPRO	Butyrophylin-like	RT				3	2.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Zinc finger, B-box	RT				3	3.5E-1	1.0E0	
<input type="checkbox"/>	SMART	BBOX	RT				3	3.6E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	SP1a/Ryanodine receptor SPRY	RT				3	3.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	B302, (SPRY)-like	RT				3	4.0E-1	1.0E0	
<input type="checkbox"/>	SMART	SPRY	RT				3	4.3E-1	1.0E0	
	Annotation Cluster 71	Enrichment Score: 0.45	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	KEGG_PATHWAY	Long-term potentiation	RT				4	2.5E-1	9.5E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Melanogenesis	RT				5	2.5E-1	9.5E-1	
<input type="checkbox"/>	KEGG_PATHWAY	Wnt signaling pathway	RT				4	7.3E-1	1.0E0	
	Annotation Cluster 72	Enrichment Score: 0.44	G				Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	growth	RT				13	1.7E-2	7.2E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell migration	RT				13	3.6E-2	8.4E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	axon guidance	RT				5	1.2E-1	9.7E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cell growth	RT				6	1.4E-1	9.8E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell size	RT				6	1.8E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular structure morphogenesis	RT				14	3.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cell morphogenesis	RT				14	3.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	nervous system development	RT				16	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cytoskeleton-dependent intracellular transport	RT				4	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	axonogenesis	RT				5	4.9E-1	1.0E0	

<input type="checkbox"/>	GOTERM_BP_ALL	neuron morphogenesis during differentiation	RT		5	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite morphogenesis	RT		5	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	generation of neurons	RT		8	6.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular morphogenesis during differentiation	RT		5	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron differentiation	RT		7	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cell growth	RT		3	6.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurite development	RT		5	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurogenesis	RT		8	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell part morphogenesis	RT		6	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection morphogenesis	RT		6	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell projection organization and biogenesis	RT		6	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuron development	RT		5	7.7E-1	1.0E0
Annotation Cluster 73		Enrichment Score: 0.44	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	phosphoinositide binding	RT		8	9.6E-2	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	gpi-anchor	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	GPI anchor binding	RT		3	7.3E-1	1.0E0
Annotation Cluster 74		Enrichment Score: 0.43	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SAM	RT		3	2.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Sterile alpha motif SAM	RT		3	4.8E-1	1.0E0
<input type="checkbox"/>	SMART	SAM	RT		3	5.1E-1	1.0E0
Annotation Cluster 75		Enrichment Score: 0.37	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sensory organ development	RT		6	3.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	inner ear development	RT		3	4.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	ear development	RT		3	4.8E-1	1.0E0
Annotation Cluster 76		Enrichment Score: 0.35	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic vesicle	RT		10	2.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicle	RT		10	3.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic membrane-bound vesicle	RT		7	4.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound vesicle	RT		7	4.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	cytoplasmic vesicle	RT		4	5.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	clathrin-coated vesicle	RT		3	6.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	coated vesicle	RT		3	7.3E-1	1.0E0
Annotation Cluster 77		Enrichment Score: 0.34	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Immunoglobulin V-set	RT		7	1.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype 2	RT		6	2.7E-1	1.0E0
<input type="checkbox"/>	SMART	IGc2	RT		6	3.4E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	immunoglobulin domain	RT		9	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin	RT		5	4.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like fold	RT		9	6.1E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin-like	RT		8	6.7E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Immunoglobulin subtype	RT		5	7.3E-1	1.0E0
<input type="checkbox"/>	SMART	IG	RT		5	8.2E-1	1.0E0
Annotation Cluster 78		Enrichment Score: 0.33	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	integral to organelle membrane	RT		4	2.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intrinsic to organelle membrane	RT		4	2.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	endomembrane system	RT		7	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle membrane	RT		8	9.8E-1	1.0E0
Annotation Cluster 79		Enrichment Score: 0.32	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Variant SH3	RT		3	3.2E-1	1.0E0

<input type="checkbox"/>									
<input type="checkbox"/>	SP_PIR_KEYWORDS	SH3 domain	RT			6	3.9E-1	1.0E0	
<input type="checkbox"/>	SMART	SH3	RT			6	4.4E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Src homology-3	RT			5	5.8E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:SH3	RT			3	7.5E-1	1.0E0	
	Annotation Cluster 80	Enrichment Score: 0.32	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic limb morphogenesis	RT			3	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic appendage morphogenesis	RT			3	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	appendage morphogenesis	RT			3	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	limb morphogenesis	RT			3	4.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	appendage development	RT			3	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	limb development	RT			3	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic morphogenesis	RT			5	6.0E-1	1.0E0	
	Annotation Cluster 81	Enrichment Score: 0.31	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasm	RT			127	1.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular membrane-bound organelle	RT			139	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-bound organelle	RT			139	3.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular	RT			191	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular part	RT			179	5.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	cytoplasmic part	RT			67	6.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	nucleus	RT			83	6.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle	RT			147	7.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	organelle	RT			147	7.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	cell part	RT			259	7.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_CC_ALL	cell	RT			259	7.6E-1	1.0E0	
	Annotation Cluster 82	Enrichment Score: 0.31	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_MF_ALL	endopeptidase activity	RT			13	2.5E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	active site:Charge relay system	RT			5	3.0E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	serine protease	RT			5	3.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	serine hydrolase activity	RT			6	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type peptidase activity	RT			6	4.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	serine-type endopeptidase activity	RT			5	6.1E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Peptidase S1A, chymotrypsin	RT			3	7.3E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	Peptidase S1 and S6, chymotrypsin/Hap	RT			3	7.5E-1	1.0E0	
<input type="checkbox"/>	SMART	Tryp_SPC	RT			3	7.9E-1	1.0E0	
	Annotation Cluster 83	Enrichment Score: 0.3	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid biosynthetic process	RT			4	2.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid biosynthetic process	RT			3	4.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	membrane lipid metabolic process	RT			5	5.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	phospholipid metabolic process	RT			4	5.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lipid metabolic process	RT			14	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	lipid biosynthetic process	RT			6	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular lipid metabolic process	RT			12	6.5E-1	1.0E0	
	Annotation Cluster 84	Enrichment Score: 0.27	G			Count	P_Value	Benjamini	
<input type="checkbox"/>	GOTERM_BP_ALL	tube morphogenesis	RT			6	2.3E-1	9.9E-1	
<input type="checkbox"/>	GOTERM_BP_ALL	neural tube development	RT			3	3.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	embryonic development ending in birth or egg hatching	RT			6	5.2E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	chordate embryonic development	RT			5	7.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	differentiation	RT			5	9.3E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	Developmental protein	RT			5	1.0E0	1.0E0	
	Annotation Cluster 85	Enrichment Score: 0.22	G			Count	P_Value	Benjamini	

<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 1	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	domain:EF-hand 2	RT		4	4.5E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Calcium-binding_EF-hand	RT		4	7.7E-1	1.0E0
<input type="checkbox"/>	SMART	EFh	RT		4	8.2E-1	1.0E0
Annotation Cluster 86		Enrichment Score: 0.21	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	peptide binding	RT		5	3.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	G-protein coupled receptor protein signaling pathway	RT		16	4.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	peptide receptor activity	RT		4	4.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane receptor activity	RT		19	4.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neuropeptide signaling pathway	RT		3	5.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	transducer	RT		8	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	G-protein coupled receptor activity	RT		9	7.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	g-protein coupled receptor	RT		7	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	rhodopsin-like receptor activity	RT		7	8.2E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Rhodopsin-like GPCR superfamily	RT		3	9.8E-1	1.0E0
Annotation Cluster 87		Enrichment Score: 0.2	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme metabolic process	RT		5	5.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	coenzyme biosynthetic process	RT		3	6.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor metabolic process	RT		5	7.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cofactor biosynthetic process	RT		3	7.1E-1	1.0E0
Annotation Cluster 88		Enrichment Score: 0.19	G		Count	P_Value	Benjamini
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 1	RT		4	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 2	RT		4	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	zinc finger region:C2H2-type 3	RT		3	7.9E-1	1.0E0
Annotation Cluster 89		Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Tetratricopeptide region	RT		3	6.4E-1	1.0E0
<input type="checkbox"/>	SMART	TPR	RT		3	6.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Tetratricopeptide-like helical	RT		3	7.0E-1	1.0E0
Annotation Cluster 90		Enrichment Score: 0.17	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	Palmitate	RT		5	5.8E-1	1.0E0
<input type="checkbox"/>	UP_SEQ_FEATURE	lipid moiety-binding region:S-palmitoyl cysteine	RT		4	6.4E-1	1.0E0
<input type="checkbox"/>	KEGG_PATHWAY	Neuroactive ligand-receptor interaction	RT		6	7.6E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	lipoprotein	RT		11	7.6E-1	1.0E0
Annotation Cluster 91		Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	protein complex assembly	RT		5	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecular complex assembly	RT		7	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular component assembly	RT		7	8.8E-1	1.0E0
Annotation Cluster 92		Enrichment Score: 0.16	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	sh2 domain	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	SH2_motif	RT		3	6.9E-1	1.0E0
<input type="checkbox"/>	SMART	SH2	RT		3	7.2E-1	1.0E0
Annotation Cluster 93		Enrichment Score: 0.14	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity	RT		9	5.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ubiquitin-protein ligase activity	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ligase activity, forming carbon-nitrogen bonds	RT		4	7.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small protein conjugating enzyme activity	RT		3	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	small conjugating protein ligase activity	RT		3	7.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	acid-amino acid ligase activity	RT		3	8.3E-1	1.0E0
Annotation Cluster 94		Enrichment Score: 0.13	G		Count	P_Value	Benjamini

<input type="checkbox"/>										
<input type="checkbox"/>	GOTERM_BP_ALL	chemical homeostasis	RT				7	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ion homeostasis	RT				4	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular homeostasis	RT				5	8.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular chemical homeostasis	RT				3	9.0E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cellular ion homeostasis	RT				3	9.0E-1	1.0E0	
	Annotation Cluster 95		Enrichment Score: 0.12		G			Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	heme	RT				4	4.9E-1	1.0E0	
<input type="checkbox"/>	UP_SEQ_FEATURE	metal ion-binding site:Iron (heme axial ligand)	RT				3	5.1E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	iron	RT				6	6.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	oxidoreductase activity	RT				16	8.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	heme binding	RT				3	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	tetrapyrrole binding	RT				3	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	electron transport	RT				7	8.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	oxidoreductase	RT				8	9.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	generation of precursor metabolites and energy	RT				8	9.4E-1	1.0E0	
	Annotation Cluster 96		Enrichment Score: 0.12		G			Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Nucleotide-binding, alpha-beta plait	RT				4	6.8E-1	1.0E0	
<input type="checkbox"/>	INTERPRO	RNA recognition motif, RNP-1	RT				4	6.8E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	rna-binding	RT				8	7.2E-1	1.0E0	
<input type="checkbox"/>	SMART	RRM	RT				4	7.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	RNA binding	RT				8	9.8E-1	1.0E0	
	Annotation Cluster 97		Enrichment Score: 0.11		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of protein metabolic process	RT				8	4.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of translation	RT				3	8.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of cellular biosynthetic process	RT				3	8.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	regulation of biosynthetic process	RT				3	9.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT				6	9.7E-1	1.0E0	
	Annotation Cluster 98		Enrichment Score: 0.07		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	transition metal ion transport	RT				3	3.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	RT				4	6.1E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	inorganic cation transmembrane transporter activity	RT				4	6.3E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	cation transport	RT				9	8.4E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT				8	8.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transporter activity	RT				17	8.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	metal ion transport	RT				6	9.4E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	metal ion transmembrane transporter activity	RT				4	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	localization	RT				53	9.5E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	ion transport	RT				11	9.6E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transporter activity	RT				21	9.6E-1	1.0E0	
<input type="checkbox"/>	SP_PIR_KEYWORDS	transport	RT				20	9.7E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	cation transmembrane transporter activity	RT				6	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	transport	RT				42	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	substrate-specific transmembrane transporter activity	RT				10	9.8E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT				8	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_BP_ALL	establishment of localization	RT				42	9.9E-1	1.0E0	
<input type="checkbox"/>	GOTERM_MF_ALL	transmembrane transporter activity	RT				11	9.9E-1	1.0E0	
	Annotation Cluster 99		Enrichment Score: 0.06		G			Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	macromolecule biosynthetic process	RT				14	7.5E-1	1.0E0	

<input type="checkbox"/>	Term	Definition	RT	Bar	Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	biosynthetic process	RT		25	7.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	translation	RT		6	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cellular biosynthetic process	RT		13	9.9E-1	1.0E0
Annotation Cluster 100		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	condensed chromosome	RT		3	3.3E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosome	RT		7	6.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	chromosomal part	RT		6	7.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	transcription factor complex	RT		7	9.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm	RT		9	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nucleoplasm part	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear lumen	RT		10	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle lumen	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane-enclosed lumen	RT		11	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	nuclear part	RT		14	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	protein complex	RT		22	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	intracellular organelle part	RT		31	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle part	RT		31	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	macromolecular complex	RT		24	1.0E0	1.0E0
Annotation Cluster 101		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	EGF-like	RT		3	7.6E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like region	RT		5	7.8E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF-like, type 3	RT		3	9.0E-1	1.0E0
<input type="checkbox"/>	INTERPRO	EGF	RT		3	9.1E-1	1.0E0
<input type="checkbox"/>	SMART	EGF	RT		3	9.2E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	egf-like domain	RT		3	9.3E-1	1.0E0
Annotation Cluster 102		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-like	RT		7	8.1E-1	1.0E0
<input type="checkbox"/>	SMART	ZnF_C2H2	RT		7	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type	RT		8	9.0E-1	1.0E0
Annotation Cluster 103		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_CC_ALL	microsome	RT		3	8.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	vesicular fraction	RT		3	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	membrane fraction	RT		8	8.9E-1	1.0E0
Annotation Cluster 104		Enrichment Score: 0.06	G		Count	P_Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	wd repeat	RT		5	7.4E-1	1.0E0
<input type="checkbox"/>	INTERPRO	WD40 repeat	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	SMART	WD40	RT		3	9.6E-1	1.0E0
Annotation Cluster 105		Enrichment Score: 0.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_BP_ALL	sensory perception	RT		5	8.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	system process	RT		12	8.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		9	9.0E-1	1.0E0
Annotation Cluster 106		Enrichment Score: 0.05	G		Count	P_Value	Benjamini
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to transmembrane movement of substances	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled to movement of substances	RT		3	8.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances	RT		3	8.1E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	primary active transmembrane transporter activity	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	P-P-bond-hydrolysis-driven transmembrane transporter activity	RT		3	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity, coupled	RT		4	9.4E-1	1.0E0

<input type="checkbox"/>	GOTERM_MF_ALL	active transmembrane transporter activity	RT		5	9.5E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	pyrophosphatase activity	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	RT		8	9.6E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ATPase activity	RT		4	9.7E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	nucleoside-triphosphatase activity	RT		7	9.7E-1	1.0E0
Annotation Cluster 107		Enrichment Score: 0.03		G			
<input type="checkbox"/>	GOTERM_BP_ALL	neurological system process	RT		9	9.0E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	transmission of nerve impulse	RT		4	9.2E-1	1.0E0
<input type="checkbox"/>	GOTERM_BP_ALL	cell-cell signaling	RT		5	9.6E-1	1.0E0
Annotation Cluster 108		Enrichment Score: 0.03		G			
<input type="checkbox"/>	INTERPRO	Zinc finger, C2H2-type/integrase, DNA-binding	RT		5	8.9E-1	1.0E0
<input type="checkbox"/>	INTERPRO	KRAB box	RT		3	9.4E-1	1.0E0
<input type="checkbox"/>	SMART	KRAB	RT		3	9.6E-1	1.0E0
Annotation Cluster 109		Enrichment Score: 0.01		G			
<input type="checkbox"/>	SP_PIR_KEYWORDS	ion transport	RT		8	8.4E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	gated channel activity	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	SP_PIR_KEYWORDS	Ionic channel	RT		3	9.8E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion transmembrane transporter activity	RT		8	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	ion channel activity	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	substrate specific channel activity	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	passive transmembrane transporter activity	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	channel activity	RT		3	1.0E0	1.0E0
Annotation Cluster 110		Enrichment Score: 0		G			
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial envelope	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	organelle envelope	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	envelope	RT		4	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_CC_ALL	mitochondrial part	RT		3	1.0E0	1.0E0
Annotation Cluster 111		Enrichment Score: 0		G			
<input type="checkbox"/>	GOTERM_MF_ALL	GTP binding	RT		3	9.9E-1	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl ribonucleotide binding	RT		3	1.0E0	1.0E0
<input type="checkbox"/>	GOTERM_MF_ALL	guanyl nucleotide binding	RT		3	1.0E0	1.0E0

215 terms were not clustered.

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