PANTHER Classification System

The mission of the PANTHER knowledgebase is to support biomedical and other research by providing **comprehensive information about the evolution of protein-coding gene families**, particularly protein phylogeny, function and genetic variation impacting that function. Learn more

PANTHER19.0 Released. Click for more details.

search keyword Go

Analysis Summary: Please report in publication

Analysis Type: PANTHER Overrepresentation Test (Released 20240807)

Annotation Version and Release Date: GO Ontology database DOI: 10.5281/zenodo.12173881 Released 2024-06-17

Analyzed List: Client Text Box Input (Candida albicans) Change

Reference List: Candida albicans (all genes in database) Change

Annotation Data Set: GO biological process complete

Test Type: Fisher's Exact Binomial

Correction: Calculate False Discovery Rate Use the Bonferroni correction for multiple testing No correction

Results

	Reference list	Client Text Box Input
Uniquely Mapped IDS:	6035 out of 6035	13 out of 13
Unmapped IDs:	0	0
Multiple mapping information:	0	0

Export Table XML with user input ids JSON with user input ids

Displaying only results for FDR P < 0.05, click here to display all results

	Candida albicans (REF)	Client Text Box Input (Hierarchy NEW!)					
GO biological process complete	#	#	expected	Fold Enrichment	+/-	raw P value	FDR
thiamine biosynthetic process	5	4	.01	> 100	+	6.47E-11	1.11E-07
↳primary alcohol biosynthetic process	6	4	.01	> 100	+	1.94E-10	1.11E-07
↳alcohol biosynthetic process	199	8	.43	18.66	+	1.36E-09	5.40E-07
↳organic hydroxy compound biosynthetic process	211	10	.45	22.00	+	5.77E-13	2.98E-09
↳organic hydroxy compound metabolic process	276	10	.59	16.82	+	8.65E-12	2.24E-08
↳small molecule biosynthetic process	396	10	.85	11.72	+	3.18E-10	1.37E-07
↳small molecule metabolic process	760	10	1.64	6.11	+	1.90E-07	5.78E-05
↳alcohol metabolic process	244	8	.53	15.22	+	6.89E-09	2.54E-06
↳primary alcohol metabolic process	15	4	.03	> 100	+	1.74E-08	6.01E-06
↳thiamine metabolic process	6	4	.01	> 100	+	1.94E-10	1.67E-07
↳thiamine-containing compound metabolic process	6	4	.01	> 100	+	1.94E-10	1.25E-07
↳pyrimidine-containing compound metabolic process	33	4	.07	56.27	+	5.12E-07	1.39E-04
↳water-soluble vitamin metabolic process	46	6	.10	60.55	+	2.31E-10	1.19E-07
↳vitamin metabolic process	46	6	.10	60.55	+	2.31E-10	1.08E-07
↳sulfur compound metabolic process	106	5	.23	21.90	+	1.75E-06	4.31E-04
↳thiamine-containing compound biosynthetic process	6	4	.01	> 100	+	1.94E-10	1.43E-07
↳water-soluble vitamin biosynthetic process	40	6	.09	69.63	+	9.51E-11	9.83E-08

↳vitamin biosynthetic process	40	6	.09	69.63	+	9.51E-11	1.23E-07
↳sulfur compound biosynthetic process	57	5	.12	40.72	+	7.64E-08	2.47E-05
↳pyrimidine-containing compound biosynthetic process	30	4	.06	61.90	+	3.44E-07	9.88E-05
↳organonitrogen compound biosynthetic process	1147	11	2.47	4.45	+	6.00E-07	1.55E-04
pyridoxine biosynthetic process	4	2	.01	> 100	+	2.56E-05	6.02E-03
↳vitamin B6 biosynthetic process	8	2	.02	> 100	+	1.19E-04	2.28E-02
↳vitamin B6 metabolic process	9	2	.02	> 100	+	1.53E-04	2.82E-02
↳pyridoxine metabolic process	4	2	.01	> 100	+	2.56E-05	5.76E-03
pyridoxal phosphate biosynthetic process	5	2	.01	> 100	+	4.27E-05	9.19E-03
↳pyridoxal phosphate metabolic process	5	2	.01	> 100	+	4.27E-05	8.83E-03
↳aldehyde biosynthetic process	7	2	.02	> 100	+	8.94E-05	1.78E-02
↳organophosphate biosynthetic process	309	5	.67	7.51	+	3.12E-04	5.56E-02
ergosterol biosynthetic process	165	4	.36	11.25	+	3.18E-04	5.47E-02
↳cellular lipid biosynthetic process	165	4	.36	11.25	+	3.18E-04	5.13E-02
↳sterol biosynthetic process	169	4	.36	10.99	+	3.48E-04	5.00E-02
↳steroid biosynthetic process	169	4	.36	10.99	+	3.48E-04	5.29E-02
↳ergosterol metabolic process	169	4	.36	10.99	+	3.48E-04	4.86E-02
↳phytosteroid metabolic process	169	4	.36	10.99	+	3.48E-04	5.14E-02
↳phytosteroid biosynthetic process	165	4	.36	11.25	+	3.18E-04	5.30E-02
↳secondary alcohol biosynthetic process	167	4	.36	11.12	+	3.33E-04	5.21E-02