

GO Terms Classification Count Results

Data submitted

User: Mao (mh865@cornell.edu)

User Data: [Raw | Processed]

Classification Methods: GO_slim

Counting Methods: single

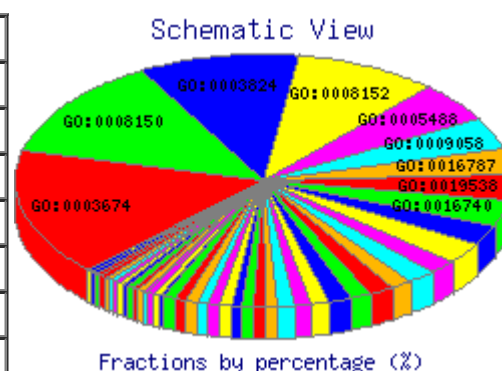
Job is Done: June 24, 2020 (Wednesday, 09:15:16 AM, CDT)

Additional Notes: n/a

Counts:

Below is the mapping of your **162** GO terms to **127** of the "GO_slim" ancestor terms by single count. Refer to FAQ for hints on possible interpretation of the results and/or to further improve your analysis.

GO Class ID	Definitions	Counts	Fractions
GO:0003674	molecular_function	44	16.36%
GO:0008150	biological_process	35	13.01%
GO:0003824	catalytic activity	28	10.41%
GO:0008152	metabolism	25	9.29%
GO:0005488	binding	14	5.20%
GO:0009058	biosynthesis	11	4.09%
GO:0016787	hydrolase activity	9	3.35%
GO:0019538	protein metabolism	9	3.35%
GO:0016740	transferase activity	9	3.35%
GO:0006139	nucleobase, nucleoside, nucleotide and nucleic acid metabolism	7	2.60%
GO:0005575	cellular_component	7	2.60%
GO:0005623	cell	5	1.86%
GO:0006464	protein modification	5	1.86%
GO:0007165	signal transduction	4	1.49%
GO:0005622	intracellular	4	1.49%
GO:0007154	cell communication	4	1.49%
GO:0006629	lipid metabolism	4	1.49%
GO:0005515	protein binding	3	1.12%
GO:0016301	kinase activity	3	1.12%
GO:0000166	nucleotide binding	3	1.12%
GO:0008233	peptidase activity	2	0.74%
GO:0006259	DNA metabolism	2	0.74%
GO:0004672	protein kinase activity	2	0.74%
GO:0003700	transcription factor activity	2	0.74%
GO:0006412	protein biosynthesis	2	0.74%
GO:0006950	response to stress	2	0.74%



GO:0006810	transport	2	0.74%
GO:0005634	nucleus	2	0.74%
GO:0003676	nucleic acid binding	2	0.74%
GO:0004518	nuclease activity	2	0.74%
GO:0003774	motor activity	1	0.37%
GO:0009628	response to abiotic stimulus	1	0.37%
GO:0005737	cytoplasm	1	0.37%
GO:0004721	phosphoprotein phosphatase activity	1	0.37%
GO:0003682	chromatin binding	1	0.37%
GO:0004871	signal transducer activity	1	0.37%
GO:0015031	protein transport	1	0.37%
GO:0009605	response to external stimulus	1	0.37%
GO:0008092	cytoskeletal protein binding	1	0.37%
GO:0008289	lipid binding	1	0.37%
GO:0003677	DNA binding	1	0.37%
GO:0016209	antioxidant activity	1	0.37%
GO:0005886	plasma membrane	1	0.37%
GO:0004872	receptor activity	1	0.37%
GO:0005509	calcium ion binding	1	0.37%
GO:0009056	catabolism	1	0.37%
Total		269	100.00%

Counted Terms

86 unique terms from your data set are found belonging to at least one of the 46 "GO_slim" classes

GO:0000155(7), GO:0000160(3), GO:0000166(3), GO:0000981(2), GO:0003676(3), GO:0003677(4), GO:0003682(3), GO:0003700(2), GO:0003777(4), GO:0003824(2), GO:0003924(3), GO:0004386(3), GO:0004519(4), GO:0004576(3), GO:0004601(3), GO:0004655(2), GO:0004672(5), GO:0004725(4), GO:0004739(2), GO:0004812(2), GO:0004815(2), GO:0005509(3), GO:0005515(3), GO:0005524(3), GO:0005525(3), GO:0005634(4), GO:0005681(4), GO:0005737(4), GO:0005887(3), GO:0006024(3), GO:0006086(3), GO:0006139(3), GO:0006281(5), GO:0006355(4), GO:0006418(6), GO:0006422(6), GO:0006457(1), GO:0006468(4), GO:0006486(5), GO:0006506(6), GO:0006508(3), GO:0006511(4), GO:0006886(3), GO:0006979(2), GO:0007018(1), GO:0007165(3), GO:0008017(4), GO:0008234(4), GO:0008270(2), GO:0008380(3), GO:0008408(4), GO:0008703(2), GO:0009231(3), GO:0009584(3), GO:0010468(2), GO:0015012(3), GO:0015020(3), GO:0015074(4), GO:0016020(1), GO:0016021(1), GO:0016117(4), GO:0016166(2), GO:0016301(4), GO:0016311(2), GO:0016491(2), GO:0016579(4), GO:0016624(2), GO:0016747(3), GO:0016757(3), GO:0016779(3), GO:0016791(3), GO:0017176(3), GO:0018298(4), GO:0020037(2), GO:0031929(3), GO:0031931(3), GO:0033014(3), GO:0035091(3), GO:0036459(4), GO:0046854(3), GO:0046856(3), GO:0046872(2), GO:0048015(3), GO:0051082(3), GO:0055085(2), GO:0055114(2), [NOTE: The number in the parenthesis postfixing a GO term indicates the frequency of this term in your data set.]

Going further: If you wish to analyze these data for a semantic representative subset of the GO terms, REVIGO¹ is a web tool you might wish to try out: [bring my data to Revigo](#) or [launch new Revigo instance](#)

¹ **Revigo:** Supek F, et al. (2011). "REVIGO summarizes and visualizes long lists of Gene Ontology terms". PLoS ONE 2011.

Odd Terms

All 162 terms matched to the selected classification terms.

Data export

In your browser, save this page ("File" -> "Save page as", or simply Ctr-s) to your computer; Then open the save file with Excel. You can edit the save the page to trim down what you need.

Cite the use of this tool:

Zhi-Liang Hu, Jie Bao and James M. Reecy (2008) "**CateGOriizer: A Web-Based Program to Batch Analyze Gene Ontology Classification Categories**". *Online Journal of Bioinformatics*. 9 (2):108-112.



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