

Gene Ontology

The Gene Ontology (GO) is a user-friendly, web-based tool and database designed for gene ontology analysis, with a special focus on agricultural species.

Usage:

1. Paste the gene list in the sequence box or upload the gene list file.
2. Adjust the parameters of the figure, including height, width, color, fontsize, fontcolor and fontweight. Click “submit” to submit.

Gene Ontology:

The GO is a web-based tool and database for the gene ontology analysis. It supports special focus on agricultural species and is user-friendly.

Enter The Gene ID:

← Paste the gene list

Eg.MSU7
Data File: 未选择任何文件

← Upload the gene list file

Height(heatmap): Fontsize:

Width(heatmap): Fontcolor:

Color: ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Fontweight: ☐ bold ☒ normal

← Adjust the parameters of the figure

Submit

Reset

↑
Click to submit

Results :

1. The list showing the top 10 results of GO enrichment analysis. Click the link at the top right to get all the results downloaded.
2. The barplot and dotplot of GO enrichment analysis results. Move mouse to drag the slider on the left to control the range of data displayed in the figure. Click the arrow at the top right to download the figure.

GO enrichment result

Top 10 results are listed in the table, if you want to get all information, please download the result file.

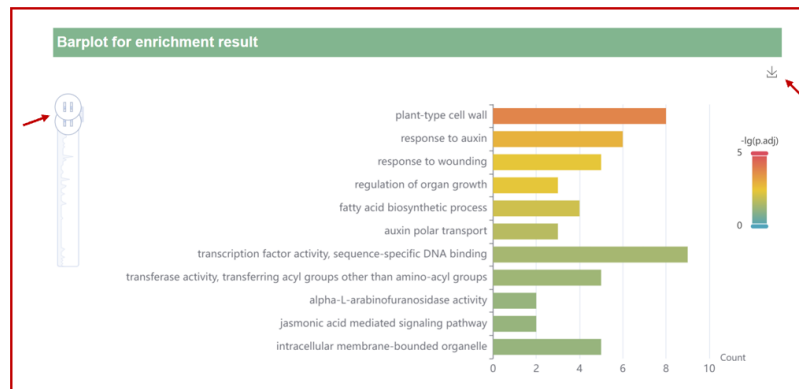
[Click here to download all the information.](#)

Click to download
all the results

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	Count
GO:0009505	plant-type cell wall	8/137	107/17996	1.58947768818821e-06	0.000200274188711714	0.000152255231184344	8
GO:0009733	response to auxin	6/137	74/17996	2.11262606133021e-05	0.00133095441863803	0.00101183669253184	6
GO:0009611	response to wounding	5/137	59/17996	8.55290529733116e-05	0.00359222022487909	0.00273092765634083	5
GO:0046620	regulation of organ growth	3/137	13/17996	0.000116738626058992	0.00367726672085824	0.00279558288720217	3
GO:0006633	fatty acid biosynthetic process	4/137	43/17996	0.000315081461267553	0.00794005282394233	0.00603629746849417	4
GO:0009926	auxin polar transport	3/137	24/17996	0.000777025772689122	0.0163175412264716	0.0124051483008263	3
GO:0003700	transcription factor activity, sequence-specific DNA binding	9/137	357/17996	0.00166483564501743	0.0299670416103137	0.0227819614581332	9
GO:0016747	transferase activity, transferring acyl groups other than amino-acyl groups	5/137	121/17996	0.00233242970749505	0.036735767893047	0.0279277767607959	5
GO:0043231	intracellular membrane-bounded organelle	5/137	139/17996	0.00423290180145538	0.0486542418360038	0.0369886049045643	5
GO:0009867	jasmonic acid mediated signaling pathway	2/137	13/17996	0.00424759254123842	0.0486542418360038	0.0369886049045643	2

Barplot

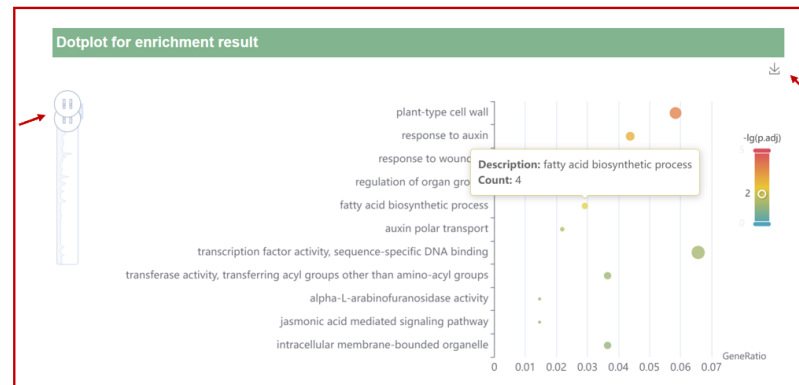
Drag to change
the portion of data
displayed in the
figure.



Click to download
the figure

Dotplot

Drag to change
the portion of data
displayed in the
figure.



Click to download
the figure