


[Home](#) [Help](#) [Contact](#) [About Us](#) [Subscribe](#) [Login](#) [Register](#)

Gene

Search

[Search](#)[Browse](#)[Tools](#)[Portals](#)[Download](#)[Submit](#)[News](#)[Stocks](#)

Functional Categorization Listing [\[Help\]](#)

[new search](#)

Annotation Pie Chart ▾

[Draw](#)

re-sort by

Annotation Count ▾

Displaying 100 records.

Keyword Category	Functional Category	Annotation Count	Gene Count
GO Cellular Component	nucleus	102	93
GO Cellular Component	mitochondrion	50	50
GO Cellular Component	unknown cellular components	43	43
GO Cellular Component	extracellular region	41	38
GO Cellular Component	chloroplast	19	15
GO Cellular Component	plasma membrane	18	17
GO Cellular Component	cytoplasm	18	18
GO Cellular Component	other membranes	14	12
GO Cellular Component	other intracellular components	10	8
GO Cellular Component	other cellular components	8	7
GO Cellular Component	plastid	6	3
GO Cellular Component	cell wall	5	5
GO Cellular Component	nucleoplasm	4	4
GO Cellular Component	Golgi apparatus	3	2
GO Cellular Component	endoplasmic reticulum	3	3
GO Cellular Component	cytosol	3	3
GO Cellular Component	vacuole	2	2
GO Cellular Component	cytoskeleton	2	2
GO Cellular Component	ribosome	1	1
GO Cellular Component	nucleolus	1	1
GO Cellular Component	thylakoid	1	1
GO Cellular Component	peroxisome	1	1
GO Cellular Component	nuclear envelope	0	0
GO Cellular Component	external encapsulating structure	0	0
GO Cellular Component	lysosome	0	0
GO Cellular Component	endosome	0	0
GO Molecular Function	unknown molecular functions	107	107
GO Molecular Function	transferase activity	46	26
GO Molecular Function	catalytic activity	45	29
GO Molecular Function	DNA-binding transcription factor activity	32	26
GO Molecular Function	protein binding	24	21
GO Molecular Function	kinase activity	23	10
GO Molecular Function	hydrolase activity	22	19
GO Molecular Function	DNA binding	21	17
GO Molecular Function	other binding	20	16
GO Molecular Function	nucleic acid binding	11	10
GO Molecular Function	nucleotide binding	10	8
GO Molecular Function	enzyme regulator activity	7	6
GO Molecular Function	transporter activity	6	5
GO Molecular Function	RNA binding	4	3
GO Molecular Function	lipid binding	3	2
GO Molecular Function	structural molecule activity	3	3
GO Molecular Function	carbohydrate binding	2	2
GO Molecular Function	nuclease activity	2	2
GO Molecular Function	signaling receptor binding	2	2
GO Molecular Function	signaling receptor activity	2	2
GO Molecular Function	chromatin binding	1	1
GO Molecular Function	other molecular functions	1	1
GO Molecular Function	transcription regulator activity	1	1
GO Molecular Function	translation factor activity, RNA binding	0	0

GO Molecular Function	oxygen binding	0	0
GO Molecular Function	translation regulator activity	0	0
GO Molecular Function	motor activity	0	0
GO Biological Process	other cellular processes	122	80
GO Biological Process	unknown biological processes	101	101
GO Biological Process	other metabolic processes	99	63
GO Biological Process	biosynthetic process	53	37
GO Biological Process	nucleobase-containing compound metabolic process	42	33
GO Biological Process	reproduction	26	16
GO Biological Process	anatomical structure development	22	14
GO Biological Process	multicellular organism development	22	14
GO Biological Process	cellular component organization	20	15
GO Biological Process	lipid metabolic process	20	11
GO Biological Process	cellular protein modification process	16	16
GO Biological Process	catabolic process	11	9
GO Biological Process	transport	9	9
GO Biological Process	carbohydrate metabolic process	9	8
GO Biological Process	post-embryonic development	9	3
GO Biological Process	response to stress	9	6
GO Biological Process	response to chemical	8	6
GO Biological Process	cell differentiation	8	8
GO Biological Process	response to external stimulus	7	5
GO Biological Process	signal transduction	6	5
GO Biological Process	secondary metabolic process	5	5
GO Biological Process	protein metabolic process	5	5
GO Biological Process	response to light stimulus	5	3
GO Biological Process	DNA metabolic process	5	2
GO Biological Process	pollination	5	4
GO Biological Process	response to biotic stimulus	4	2
GO Biological Process	flower development	4	3
GO Biological Process	cell cycle	4	4
GO Biological Process	response to endogenous stimulus	4	3
GO Biological Process	embryo development	3	3
GO Biological Process	regulation of molecular function	3	3
GO Biological Process	response to abiotic stimulus	2	2
GO Biological Process	other biological processes	2	2
GO Biological Process	growth	2	2
GO Biological Process	cell communication	2	2
GO Biological Process	cell-cell signaling	2	2
GO Biological Process	cell death	1	1
GO Biological Process	cellular homeostasis	1	1
GO Biological Process	cell growth	1	1
GO Biological Process	translation	1	1
GO Biological Process	regulation of gene expression, epigenetic	0	0
GO Biological Process	photosynthesis	0	0
GO Biological Process	tropism	0	0
GO Biological Process	generation of precursor metabolites and energy	0	0
GO Biological Process	fruit ripening	0	0
GO Biological Process	circadian rhythm	0	0
GO Biological Process	abscission	0	0

 [printer-friendly version](#)

General comments or questions: curator@arabidopsis.org