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Gene

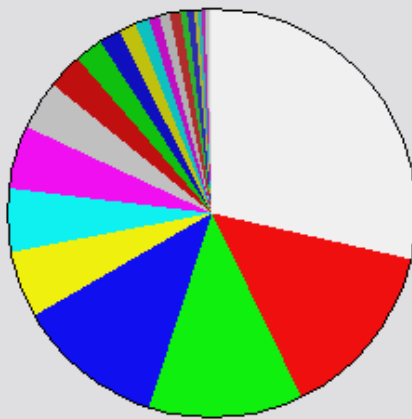
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Charts for Functional Categorization [\[Help\]](#)

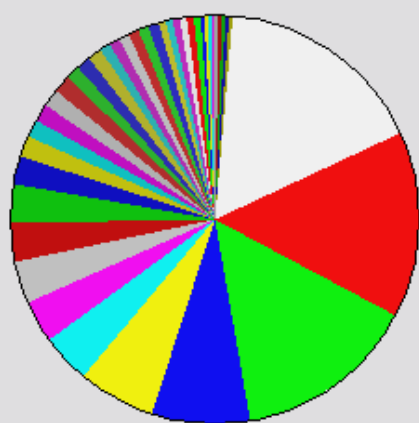
$$\left[\frac{\text{\# of annotations to terms in this GOslim category} \times 100}{\text{\# of total annotations to terms in this ontology}} \right] = \%$$

Functional Categorization by annotation for : GO Cellular Component

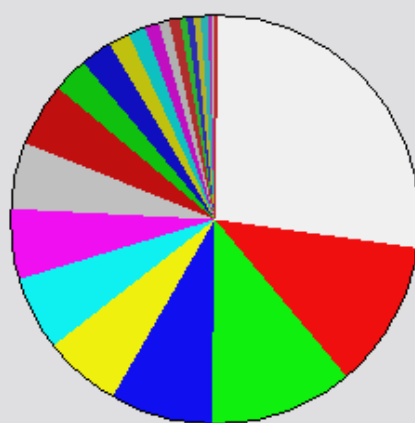


	nucleus: 28.732% (raw value = 102)
	mitochondrion: 14.085% (raw value = 50)
	unknown cellular components: 12.113% (raw value = 43)
	extracellular region: 11.549% (raw value = 41)
	chloroplast: 5.352% (raw value = 19)
	plasma membrane: 5.07% (raw value = 18)
	cytoplasm: 5.07% (raw value = 18)
	other membranes: 3.944% (raw value = 14)
	other intracellular components: 2.817% (raw value = 10)
	other cellular components: 2.254% (raw value = 8)
	plastid: 1.69% (raw value = 6)
	cell wall: 1.408% (raw value = 5)
	nucleoplasm: 1.127% (raw value = 4)
	Golgi apparatus: 0.845% (raw value = 3)
	cytosol: 0.845% (raw value = 3)
	endoplasmic reticulum: 0.845% (raw value = 3)
	vacuole: 0.563% (raw value = 2)
	cytoskeleton: 0.563% (raw value = 2)
	ribosome: 0.282% (raw value = 1)
	peroxisome: 0.282% (raw value = 1)
	thylakoid: 0.282% (raw value = 1)
	nucleolus: 0.282% (raw value = 1)

Functional Categorization by annotation for : GO Biological Process



	other cellular processes: 17.941% (raw value = 122)
	unknown biological processes: 14.853% (raw value = 101)
	other metabolic processes: 14.559% (raw value = 99)
	biosynthetic process: 7.794% (raw value = 53)
	nucleobase-containing compound metabolic process: 6.176% (raw value = 41)
	reproduction: 3.824% (raw value = 26)
	multicellular organism development: 3.235% (raw value = 22)
	anatomical structure development: 3.235% (raw value = 22)
	cellular component organization: 2.941% (raw value = 20)
	lipid metabolic process: 2.941% (raw value = 20)
	cellular protein modification process: 2.353% (raw value = 16)
	catabolic process: 1.618% (raw value = 11)
	transport: 1.324% (raw value = 9)
	response to stress: 1.324% (raw value = 9)
	post-embryonic development: 1.324% (raw value = 9)
	carbohydrate metabolic process: 1.324% (raw value = 9)
	cell differentiation: 1.176% (raw value = 8)
	response to chemical: 1.176% (raw value = 8)
	response to external stimulus: 1.029% (raw value = 7)
	signal transduction: 0.882% (raw value = 6)
	response to light stimulus: 0.735% (raw value = 5)
	protein metabolic process: 0.735% (raw value = 5)
	DNA metabolic process: 0.735% (raw value = 5)
	pollination: 0.735% (raw value = 5)
	secondary metabolic process: 0.735% (raw value = 5)
	flower development: 0.588% (raw value = 4)
	cell cycle: 0.588% (raw value = 4)
	response to endogenous stimulus: 0.588% (raw value = 4)
	response to biotic stimulus: 0.588% (raw value = 4)
	regulation of molecular function: 0.441% (raw value = 3)
	embryo development: 0.441% (raw value = 3)
	response to abiotic stimulus: 0.294% (raw value = 2)
	other biological processes: 0.294% (raw value = 2)
	cell communication: 0.294% (raw value = 2)
	growth: 0.294% (raw value = 2)
	cell-cell signaling: 0.294% (raw value = 2)
	cell death: 0.147% (raw value = 1)
	cellular homeostasis: 0.147% (raw value = 1)
	cell growth: 0.147% (raw value = 1)
	translation: 0.147% (raw value = 1)

Functional Categorization by annotation for : GO Molecular Function

	unknown molecular functions: 27.089% (raw value = 107)
	transferase activity: 11.646% (raw value = 46)
	catalytic activity: 11.392% (raw value = 45)
	DNA-binding transcription factor activity: 8.101% (raw value = 32)
	protein binding: 6.076% (raw value = 24)
	kinase activity: 5.823% (raw value = 23)
	hydrolase activity: 5.57% (raw value = 22)
	DNA binding: 5.316% (raw value = 21)
	other binding: 5.063% (raw value = 20)
	nucleic acid binding: 2.785% (raw value = 11)
	nucleotide binding: 2.532% (raw value = 10)
	enzyme regulator activity: 1.772% (raw value = 7)
	transporter activity: 1.519% (raw value = 6)
	RNA binding: 1.013% (raw value = 4)
	lipid binding: 0.759% (raw value = 3)
	structural molecule activity: 0.759% (raw value = 3)
	carbohydrate binding: 0.506% (raw value = 2)
	signaling receptor activity: 0.506% (raw value = 2)
	nuclease activity: 0.506% (raw value = 2)
	signaling receptor binding: 0.506% (raw value = 2)
	transcription regulator activity: 0.253% (raw value = 1)
	chromatin binding: 0.253% (raw value = 1)
	other molecular functions: 0.253% (raw value = 1)

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General comments or questions: curator@arabidopsis.org