



Species: Arabidopsis thaliana

Common name	Arabidopsis thaliana
Cultivar/subspecies	Not available
PLAZA identifier	ath
Source	Araport11
NCBI taxonomy	3702
Mitochondrion	Y08501
Chloroplast	AP000423
Publication	27862469
Color code	<div></div>



Description

Arabidopsis thaliana, or the mouse-ear cress, is to plant sciences, what mouse is to animal biology. It has all features to make it a perfect model organism and has, despite several recent genome duplications, a very small genome. Additionally several techniques to manipulate these plants and their genome made it the perfect candidate to be the first plant to have its genome sequenced.

Gene Overview

Species	Gene type(s) information				Functional annotation information	
	#Coding genes	#RNA genes	#Pseudo genes	#Transposons	#Genes with GO	#Genes with InterPro
Arabidopsis thaliana	27,655	6,113	952	35,090	27,945	23,446

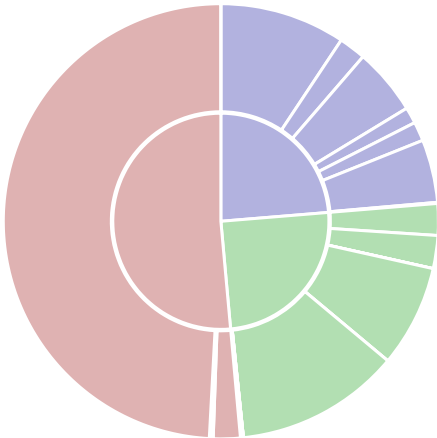
Gene Family Information

GF type	Data type	Multi-species	Species specific, multicopy	Species specific, singlecopy (orphan)
Homologous gene family	Gene Family Counts	8,733	45	1,072
	Gene Counts	26,468	115	1,072
Orthologous gene family	Gene Family Counts	8,753	5	0
	Gene Counts	21,169	10	0

GO Evidence Stats

Evidence code	Description	#Genes	#Entries
EXP	Inferred from Experiment	1	1
HDA	Inferred from High Throughput Direct Assay	6,479	14,599
HEP	Inferred from High Throughput Expression Pattern	262	262
IBA	Inferred from Biological aspect of Ancestor	12,306	38,318
IC	Inferred by Curator	212	215
IDA	Inferred from Direct Assay	11,043	29,152
IEA	Inferred from Electronic Annotation	22,963	153,497
IEP	Inferred from Expression Pattern	2,513	4,444
IGI	Inferred from Genetic Interaction	2,086	3,762
IMP	Inferred from Mutant Phenotype	5,943	15,501
IPI	Inferred from Physical Interaction	4,895	6,263
ISA	Inferred from Sequence Alignment	5	5
ISM	Inferred from Sequence Model	22,203	23,682
ISO	Inferred from Sequence Orthology	3,072	7,646
ISS	Inferred from Sequence or Structural Similarity	5,168	7,347
NAS	Non-traceable Author Statement	563	678
RCA	Inferred from Reviewed Computational Analysis	607	675
TAS	Traceable Author Statement	3,507	6,243

Evidence distribution



Gene List

Apply filter(s) / Configure data types

Search and download are disabled due to table size. Apply filter to reduce table size.

Gene ID	Species	Gene Type	Homologous gf	Orthologous gf
AT1G01010	Arabidopsis thaliana	coding	HOM05D000010	ORTHO05D011293
AT1G01020	Arabidopsis thaliana	coding	HOM05D006082	ORTHO05D007616
AT1G01030	Arabidopsis thaliana	coding	HOM05D000466	ORTHO05D000331
AT1G01040	Arabidopsis thaliana	coding	HOM05D000399	ORTHO05D000304
AT1G01046	Arabidopsis thaliana	rna		
AT1G01050	Arabidopsis thaliana	coding	HOM05D001071	ORTHO05D000932
AT1G01060	Arabidopsis thaliana	coding	HOM05D001251	ORTHO05D004135
AT1G01070	Arabidopsis thaliana	coding	HOM05D000028	ORTHO05D001812
AT1G01080	Arabidopsis thaliana	coding	HOM05D000142	ORTHO05D010028
AT1G01090	Arabidopsis thaliana	coding	HOM05D001355	ORTHO05D004435



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