



Dicots PLAZA 5.0



Species: *Solanum lycopersicum*

Common name	<i>Solanum lycopersicum</i>
Cultivar/subspecies	Not available
PLAZA identifier	sly
Source	ITAG4.0
NCBI taxonomy	4081
Mitochondrion	Not available
Chloroplast	Not available
Publication	22660326
Color code	<div></div>



Description

Solanum lycopersicum, tomato, is a valuable genome for several reasons. Tomatoes are of significant agricultural importance and the genome sequence can assist breeders in developing varieties with better flavor, resistance and shelf-life. But also for evolutionary studies the solanaceae are of interest as they branched off other dicots earlier than grapevine.

Gene Overview

Species	Gene type(s) information			Functional annotation information		
	#Coding genes	#RNA genes	#Pseudo genes	#Transposons	#Genes with GO	#Genes with InterPro
Solanum lycopersicum	34,075	0	0	0	25,750	26,008

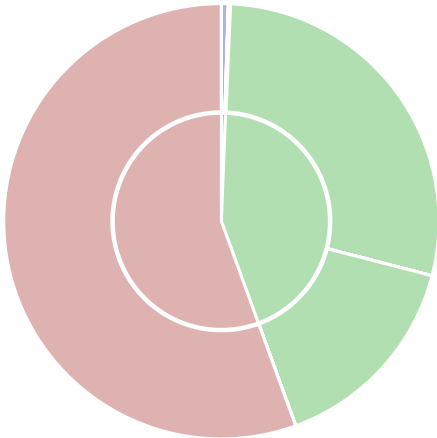
Gene Family Information

GF type	Data type	Multi-species	Species specific, multicopy	Species specific, singlecopy (orphan)
Homologous gene family	Gene Family Counts	8,570	75	3,019
	Gene Counts	30,874	182	3,019
Orthologous gene family	Gene Family Counts	8,650	13	0
	Gene Counts	23,179	47	0

GO Evidence Stats

Evidence code	Description	#Genes	#Entries
IBA	Inferred from Biological aspect of Ancestor	10,820	33,054
IDA	Inferred from Direct Assay	605	1,092
IEA	Inferred from Electronic Annotation	22,440	119,022
IEP	Inferred from Expression Pattern	124	150
IGI	Inferred from Genetic Interaction	4	4
IMP	Inferred from Mutant Phenotype	39	80
IPI	Inferred from Physical Interaction	24	25
ISO	Inferred from Sequence Orthology	13,896	60,736
ISS	Inferred from Sequence or Structural Similarity	88	107
TAS	Traceable Author Statement	7	10

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
Solyc00g005280.1	Solanum lycopersicum	coding	HOM05D002469	ORTHO05D007706
Solyc00g006650.1	Solanum lycopersicum	coding	HOM05D001275	ORTHO05D015745
Solyc00g007330.1	Solanum lycopersicum	coding	HOM05D010460	ORTHO05D014683
Solyc00g007340.1	Solanum lycopersicum	coding	HOM05D308304	ORTHO05D390269
Solyc00g007350.1	Solanum lycopersicum	coding	HOM05D010460	ORTHO05D014683
Solyc00g007450.1	Solanum lycopersicum	coding	HOM05D010460	ORTHO05D014683
Solyc00g007920.1	Solanum lycopersicum	coding	HOM05D001275	ORTHO05D391954
Solyc00g007930.1	Solanum lycopersicum	coding	HOM05D001275	ORTHO05D389910
Solyc00g007940.1	Solanum lycopersicum	coding	HOM05D001275	ORTHO05D390492
Solyc00g011560.1	Solanum lycopersicum	coding	HOM05D000390	ORTHO05D001192

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