

Genome assembly TAIR10



△ See latest version: GCF_000001735.4

	Actions
NCBI RefSeq assembly GCF_000001735.3 (replaced) (sequences differ from GenBank assembly)	0 0 0
Submitted GenBank assembly GCA_000001735.1 (replaced)	0 0
Taxon Arabidopsis thaliana (thale cress)	
Assembly type haploid	
Submitter The Arabidopsis Information Resource (TAIR)	
Date May 11, 2011	









Assembly statistics

	RefSeq	GenBank
Genome size	119.1 Mb	119.1 Mb
Total ungapped length	119 Mb	119 Mb

	RefSeq	GenBank
Number of chromosomes	5	5
Number of organelles	2	0
Number of scaffolds	5	5
Scaffold N50	23.5 Mb	23.5 Mb
Scaffold L50	3	3
Number of contigs	100	100
Contig N50	11.2 Mb	11.2 Mb
Contig L50	5	5
GC percent	36	36
Assembly level	Chromosome	Chromosome
View sequences	view RefSeq sequences	view GenBank sequences

Sample details

BioSample ID

SAMN03081427

Description

Sample from Arabidopsis thaliana

Carnegie Institution, Department of Plant Biology

Ecotype Columbia

GenBank

CP002684.1

Models

Generic

Package

Generic.1.0

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Additional genomes

Browse all Arabidopsis thaliana genomes (294)

BioProject

PRJNA10719

Arabidopsis assembly project

Publications

Showing 5 of 196

Plant Cell 2018

Correction of Persistent Errors in Arabidopsis Reference Mitochondrial Genomes

DB Sloan, et al.

Nature 2000

Sequence and analysis of chromosome 5 of the plant Arabidopsis thaliana

S Tabata, et al.

Nature 2000

Sequence and analysis of chromosome 3 of the plant Arabidopsis thaliana

M Salanoubat, et al.

Nature 2000

Sequence and analysis of chromosome 1 of the plant Arabidopsis thaliana

A Theologis, et al.

Nature 2000

Sequence and analysis of chromosome 4 of the plant Arabidopsis thaliana

K Mayer, et al.

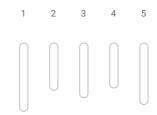
View all 196 in PubMed

Publication list limited to 400 entries

Annotation details

	RefSeq	GenBank
Provider	NCBI RefSeq	The Arabidopsis Information Resource (TAIR)
Name	Annotation submitted by NCBI RefSeq	Annotation submitted by The Arabidopsis Information Resource (TAIR)
Date	Dec 14, 2010	Jun 1, 2011
Genes	38,158	37,898
Protein-coding	27,636	27,444
	View RefSeg annotation	View GenBank annotation

Chromosomes



View chromosomes from:

GenBank sequence

RefSeq sequence

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Chromosome	GenBank	RefSeq	Size (bp)	GC content (%)	Unlocalized count	Action
1	CP002684.1	NC_003070.9	30,427,671	36	0	•
2	CP002685.1	NC_003071.7	19,698,289	36	0	•

Chromosome	GenBank	RefSeq	Size (bp)	GC content (%)	Unlocalized count	Action
3	CP002686.1	NC_003074.8	23,459,830	36.5	0	•
4	CP002687.1	NC_003075.7	18,585,056	36	0	•
5	CP002688.1	NC_003076.8	26,975,502	36	0	•

RefSeq and GenBank assembly differences

The NCBI RefSeq assembly differs from the submitted assembly in the following ways:

Added chromosomes MT and Pltd

Revision history

GenBank	RefSeq	Name	Level	Date	Action
GCA_000001735.2	GCF_000001735.4	TAIR10.1	Chromosome	Mar 15, 2018	•
GCA_000001735.1	GCF_000001735.3	TAIR10	Chromosome	May 11, 2011	•
GCA_000001735.1	GCF_000001735.2	TAIR9	Chromosome	May 11, 2011	•
n/a	GCF_000001735.1	TAIR8	Chromosome	Apr 24, 2008	•

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