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Genome assembly TAIR10



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



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BLAST the genome



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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
Submitter	Carnegie Institution, Department of Plant Biology
Ecotype	Columbia
GenBank	CP002684.1
Models	Generic
Package	Generic.1.0

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BioProject

[PRJNA10719](#)

Arabidopsis assembly project

Publications

Showing 5 of 196

Plant Cell 2018

DB Sloan, et al.

S Tabata, et al.

M Salanoubat, et al.

A Theologis, et al.

K Mayer, et al.

Publication list limited to 400 entries

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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