

# Arabidopsis thaliana

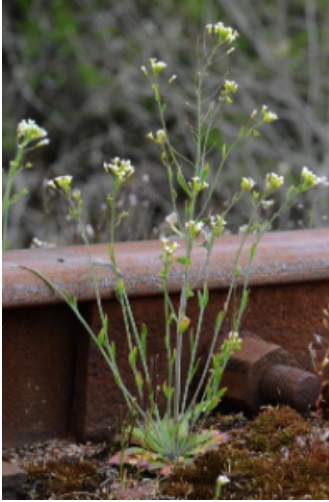


Image Credit:

[JC Schou on Biopix](#)

**Scientific name:** *Arabidopsis thaliana*

**Common name(s):** Mouse ear cress

**Name as shown in Phylogenies:** *A. thaliana*

**Ploidy:** Diploid

**Description:**

*Arabidopsis thaliana*, also known as mouse-ear cress, is a small annual plant that is a member of the mustard family. It has no agricultural value, but has significant utility as a model plant species due to its small genome size, rapid life cycle and ease of use as an experimental system.

*Arabidopsis* has the most well annotated plant genome and is extensively used as reference for understanding gene function in other plant species.

**Reference(s):**

1. Arabidopsis Genome Initiative. Analysis of the genome sequence of the flowering plant *Arabidopsis thaliana*. [Nature](#). 2000 Dec 14;408(6814):796-815.

**Genome Databases:**

[The Arabidopsis Information Resource \(TAIR\)](#)

[Araport](#)

[BAR ePlant](#)