



**Keywords:** Genetics; Diversity; Arabidopsis; Delle

**Introduction**

*Arabidopsis thaliana* is a wild, annual and self-cultivating plant with a wide geographical area as a native species in Eurasia. In the last decade, this species has become the main model plant not only for molecular biology studies, but also for processing to the ecological and evolutionary basis of plant adaptation. Decoding the genetic structure of *A. thaliana* diversity across its geographical area is now a key goal because it describes its current ecological distribution. It reflects its population history, and carefully designs and analyzes experimental populations to determine molecular mechanisms. Used to make it possible. Other studies have been conducted on the history of *A. thaliana* in East Asia and beyond. Nuclear analysis and chloroplasts

