

Function and expression pattern of Terminal Flower 1 (TFL1) homolog genes in dicot plants.

Abstract

Terminal flowering1 (TFL1) is a key gene in charge of flowering time in *Arabidopsis thaliana*. During the past decade, genetic studies have found out several TFL1 like genes in dicot plants. The main issues addressed in this paper are current advances in TFL1 homologs isolated from different dicot species and their function in flowering. Taking advantage of previous studies of cloning, in this paper we have evaluated function of these genes in regulating flowering time. It will then go on to place or parts of plants in where these genes express. Moreover, similarity and differences between them and other known genes, have been compared.

Keyword: Flowering; TFL1; Gene expression; Dicot; Arabidopsis.