# Developmental transition의 분자적 해석

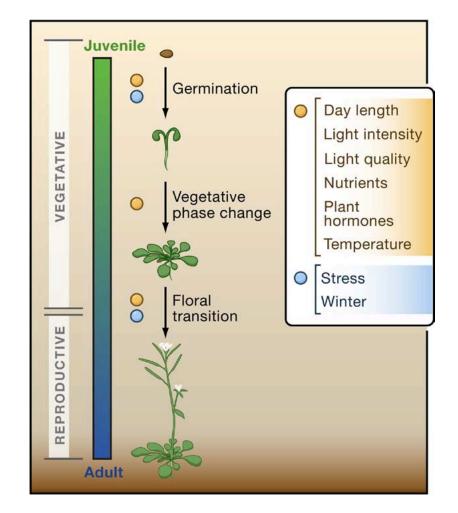
### **Developmental transition**

- Vegetative
  - Juvenile
  - Adult
- Reproductive

• ≈flower development (4 successive stages)

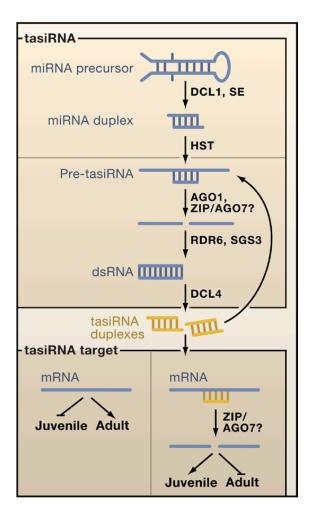
• Shoot apical meristem

### Developmental Transitions during the Plant Life Cycle



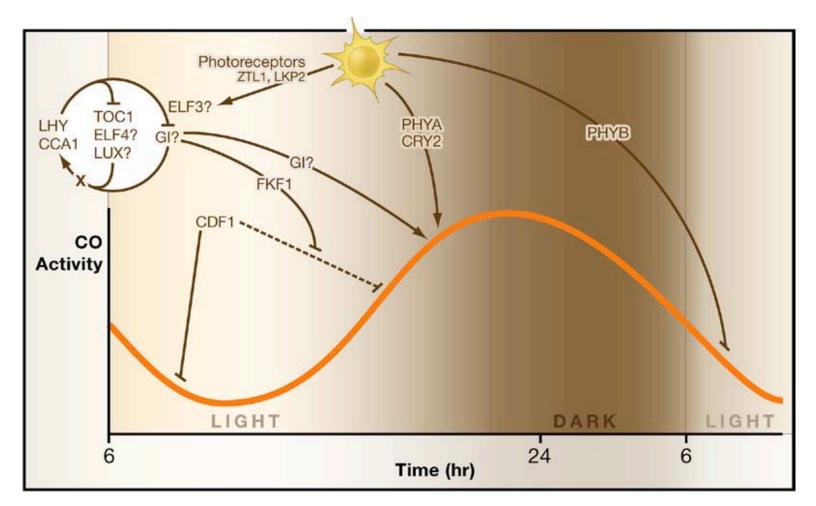
Baurle et al. (2006) The Timing of Developmental Transitions in Plants. Cell 125(4): 655-664

#### The Vegetative Phase Change Is Regulated by *trans*-Acting Small Interfering RNAs

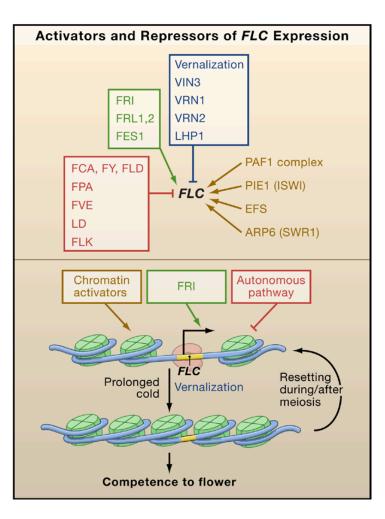


Baurle et al. (2006) The Timing of Developmental Transitions in Plants. Cell 125(4): 655-664

### CO Protein Activity Is Regulated by the Circadian Clock and Light



## **Regulation of FLC Expression**



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