

CONSTANS

A mediator functioning between the circadian clock and floral integrators

Basic information

- Measurement of flowering time
 - Days
 - Leaf numbers
- Photoperiods
 - LD (16:8)
 - SD (8:16)

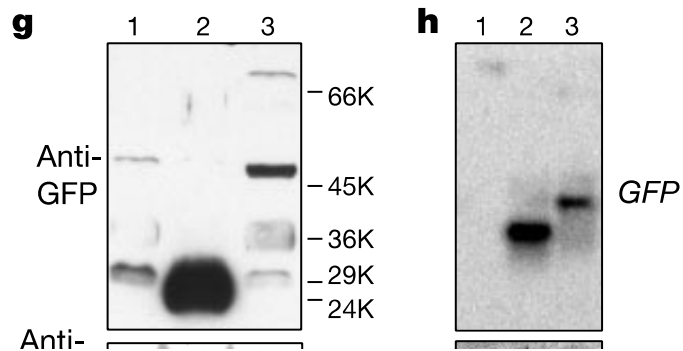
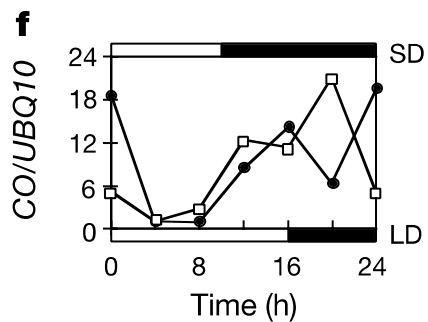
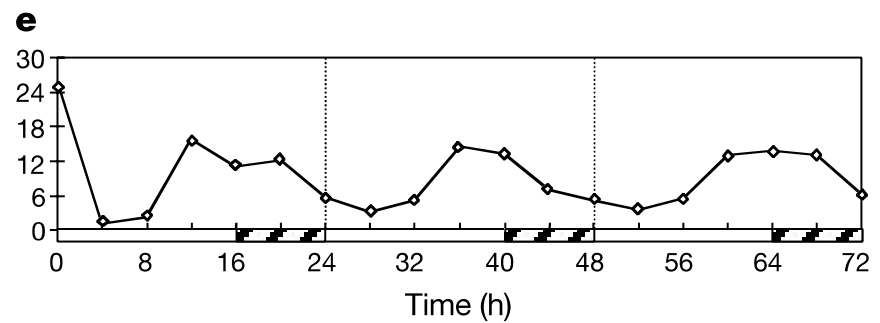
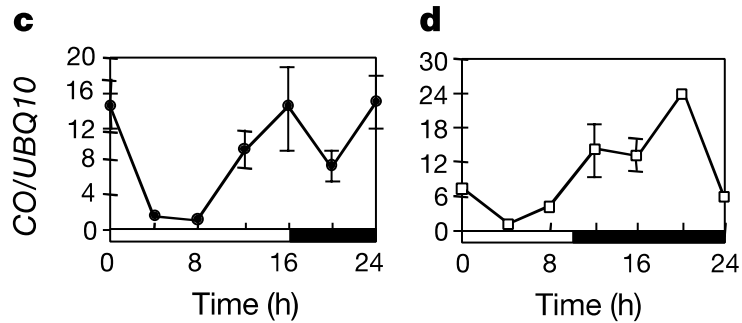
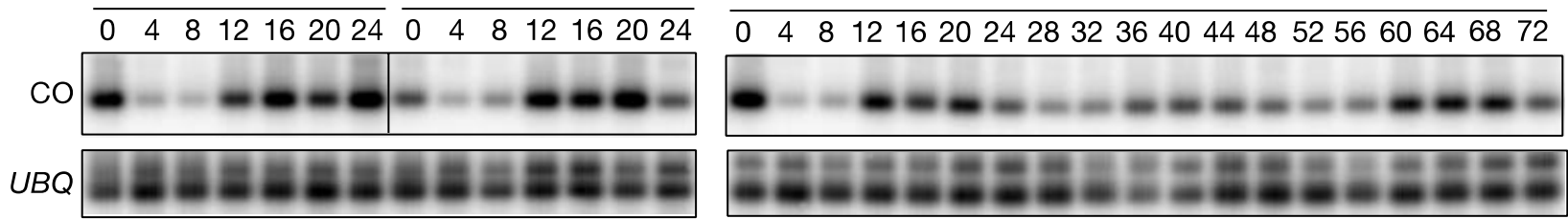
Genetic pathways controlling flowering time in Arabidopsis

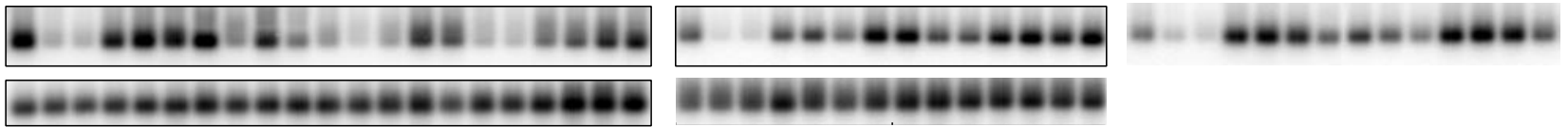
- The Photoperiod pathway
 - Photoreceptor – circadian clock – floral integrators
- The Vernalization pathway
 - FLC (the central regulator)
- The Gibberellin (GA) pathway
 - GA biosynthesis + GA-responsive
- The Autonomous pathway
- The Thermosensory pathway

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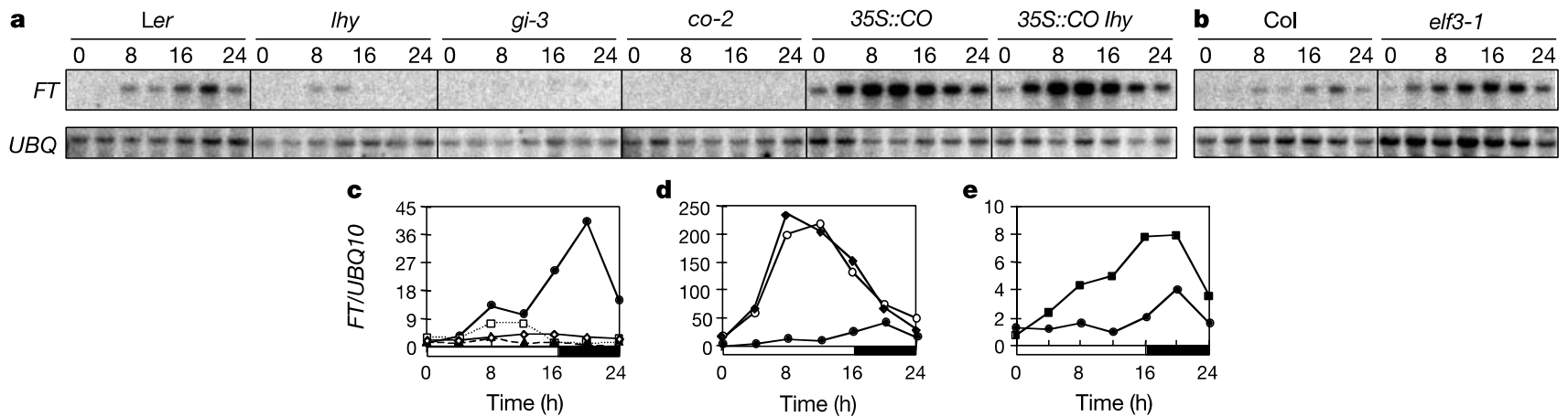
- Circadian
- External coincidence

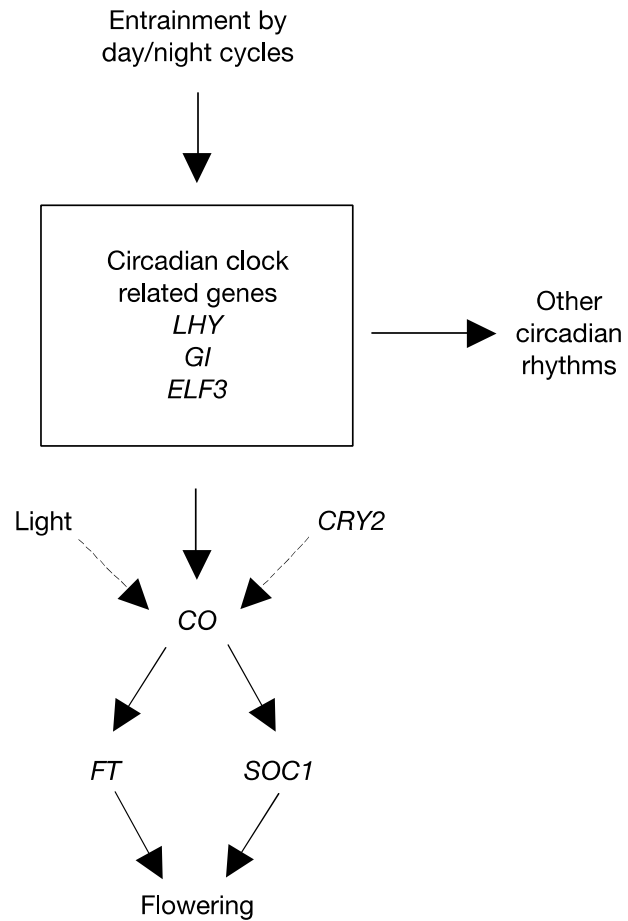






Suarez-Lopez et al. (2001) *CONSTANS* mediates between the circadian clock and the control of flowering in *Arabidopsis*.
Nature 410(6832): 1116-1120





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