Supplementary Information

Supplementary Figure S1 Flowering time of transgenic plants homozygous for FRI:GUS in LD. FRI:GUS was first transformed into Col and introduced into efs and suf4 backgrounds by crossing. Flowering time was determined by the leaf number (LN). Error bars represent sd.
Supplementary Figure S2 Flowering time of transgenic efs plants harboring EFS:FLAG in SD. Number 3 and number 6 are representative transgenic lines homozygous for EFS:FLAG. LN: leaf number. Error bars represent sd.
Supplementary Figure S3  FLC:GUS expression in gametophytes and embryos of fri or efs mutants. Left to right: ovules, stamen, seeds with heart-stage embryos, mature embryos. GUS expression in the ovule of the FRI EFS plant was derived from diploid maternal tissues and not from gametophytic embryo sacs (Choi et al, 2009). Scale bars: 100 μm except for ovules (20 μm).
**Supplementary Figure S4** Flowering time of transgenic *fld* plants harboring *35S::GST:FLD* in LD. LN: leaf number. Error bars represent sd.