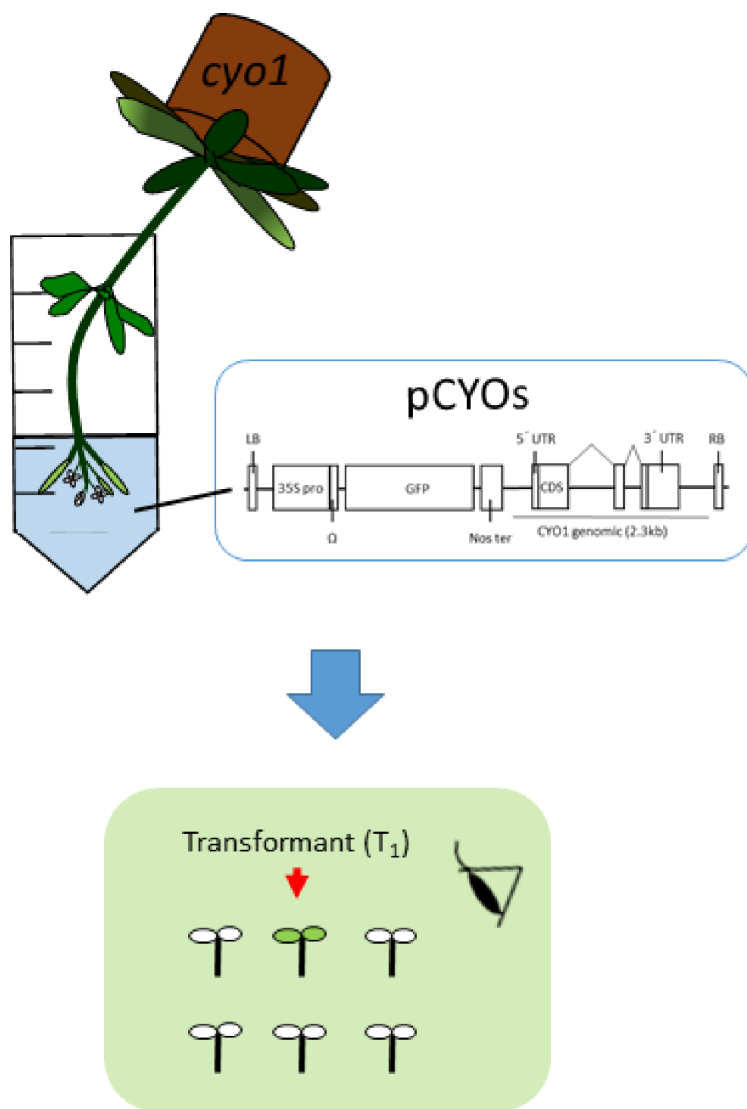


Supplementary Figure 1. Isolation of a *cyo1* mutant using the CRISPR/Cas9 system.

(A) Structure of the *CYO1* gene and its guide RNA (gRNA) for CRISPR/Cas9. The box shows the PAM sequence.

(B) The mutation in *cyo1-11*, a 31-bp deletion in the second exon.

(C) The phenotype of *cyo1* mutant. *cyo1-11* sprouts have albino cotyledons. Plants were grown for 4 days on 1× MS medium under the long day light conditions. The bar shows 1cm.



Supplementary Figure.2 Scheme of transformation-screening in the pCYO vector system. pCYO transformants can be selected visibly without any equipment