

Figure S1

Figure S1 Contrary effects on growth in different areas of *cuc2-1D* rosette leaves. Fourth rosette leaves of Col-0, *cuc2-3* and *cuc2-1D* plants, 36 DAG. A, leaf blade length, $N = 10, \pm$ SE. B, Silhouette of rosette leaf with line of measurement: Tooth sinus width (white line) and tooth tip width (of 1st teeth, dotted line), scale bar = 2 mm. C, Petiole length, $N = 10, \pm$ SE. D-E, Tooth sinus width (D) and tooth tip width (E) of Col-0 and *cuc2-1D*, $N = 10, \pm$ SE. Asterisks indicate significant differences to Col-0 (Student's t test: *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$) compared with the controls.

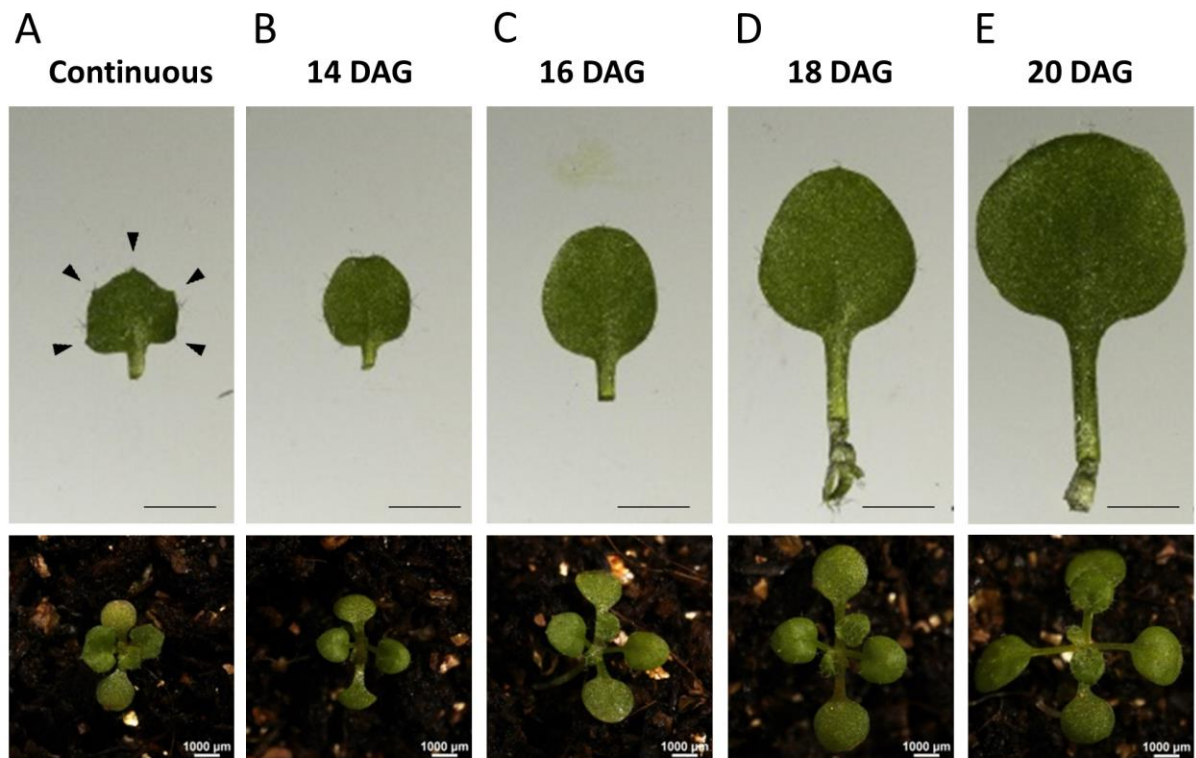


Figure S2 Effects of continuous induction of *CUC2-GR* on primary leaves (upper panel) and the leaf rosette (lower panel), 20 DAG. The DEX treatment started 0 DAG (A, continuous), 14 DAG (B), 16 DAG (C), 18 DAG (D) or 20 DAG (E). Scale bar = 2 mm in (A), Scale bar=1000 μ m in (F).

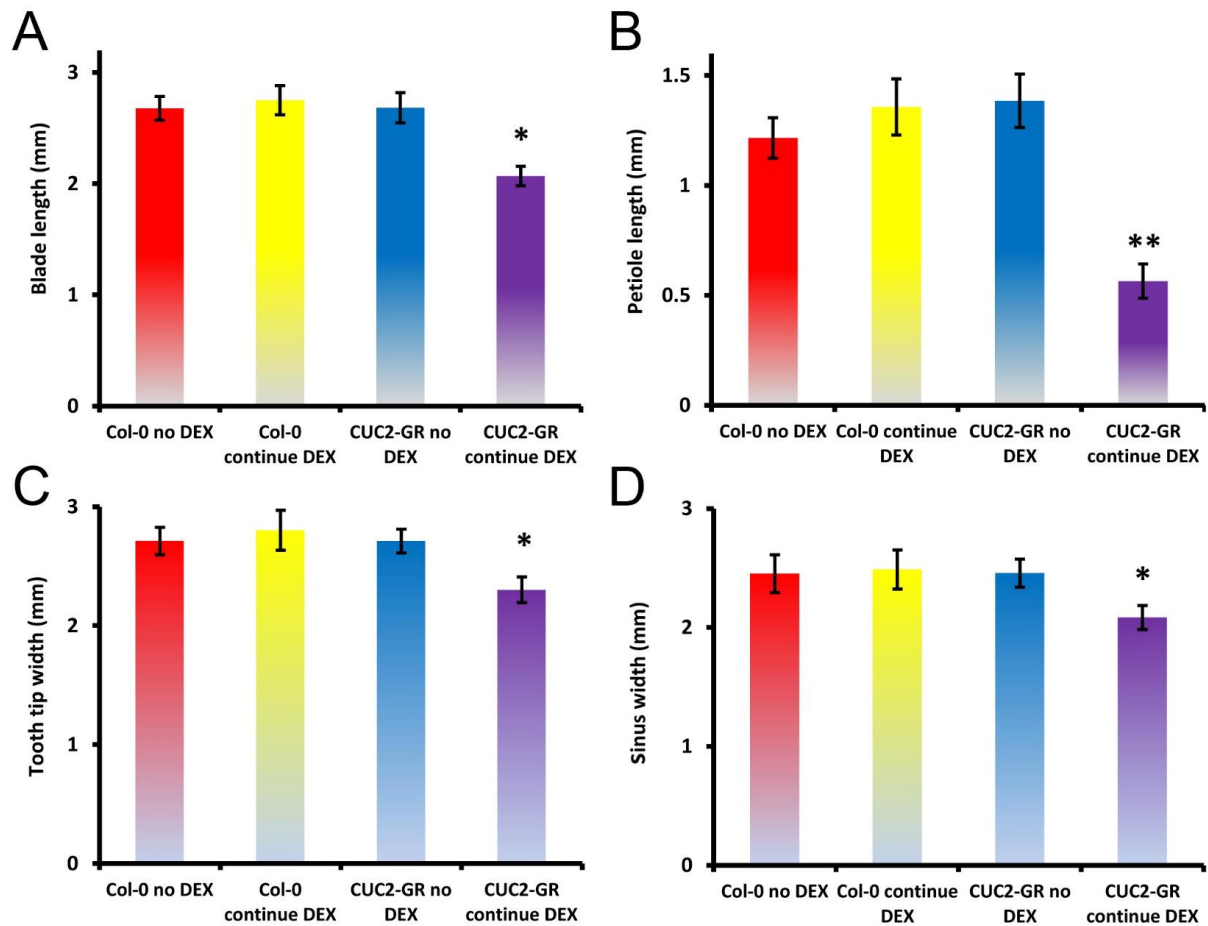


Figure S3 Growth inhibition by continuous induced *CUC2* along the proximo-distal and the medio-lateral axes of the fourth leaf. *Col-0* and *CUC2-GR* plants were either non- or DEX-treated (22 DAG, N = 10, \pm SE). A, Blade length. B, Petiole length. C, (1st) tooth tip width. D, Sinus width. Asterisks indicate significant differences to non-treated *CUC2-GR* (Student's t test: *, $P < 0.05$; **, $P < 0.01$).

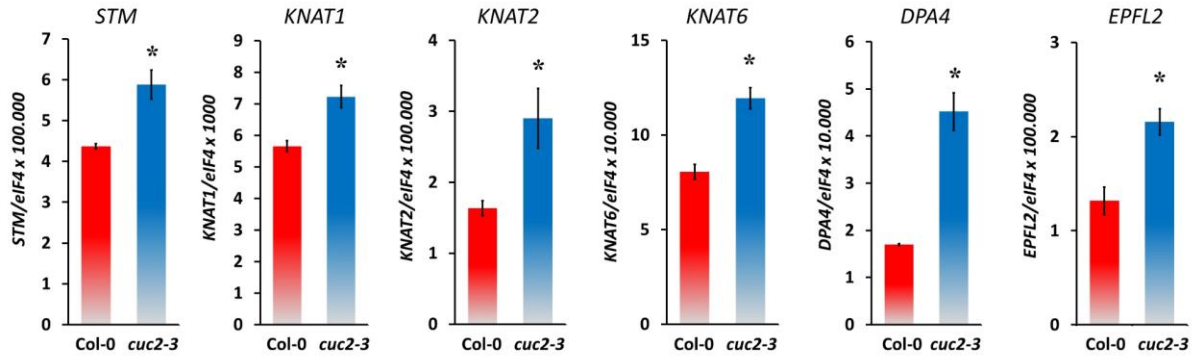


Figure S4 Misexpression of genes in *cuc2-3* mutant leaves. qRT-PCR with Col-0 and *cuc2-3* leaves, 29 DAG, N = 3, \pm SE. Asterisks indicate significant change of expression (Student's t test: *, $P < 0.05$) compared with Col-0 plants.

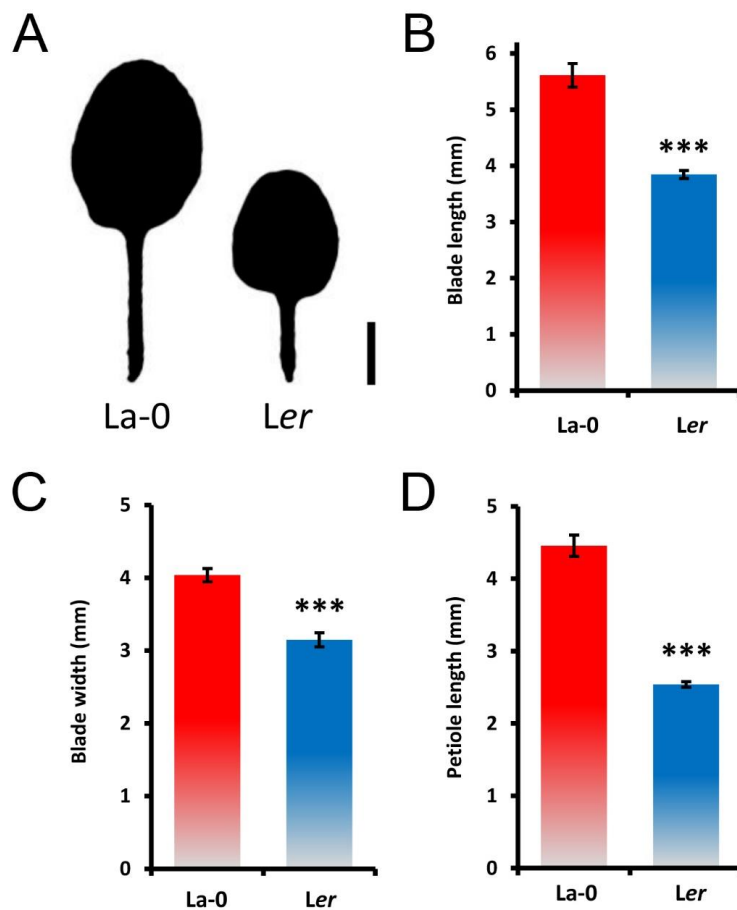


Figure S5 Growth inhibition by loss of the receptor kinase ER, 30 DAG, N = 10, \pm SE. A, Fourth leaf phenotype of La-0 and *Ler*; scale bar = 2 mm. B, Blade length. C, Blade width. D, Petiole length.

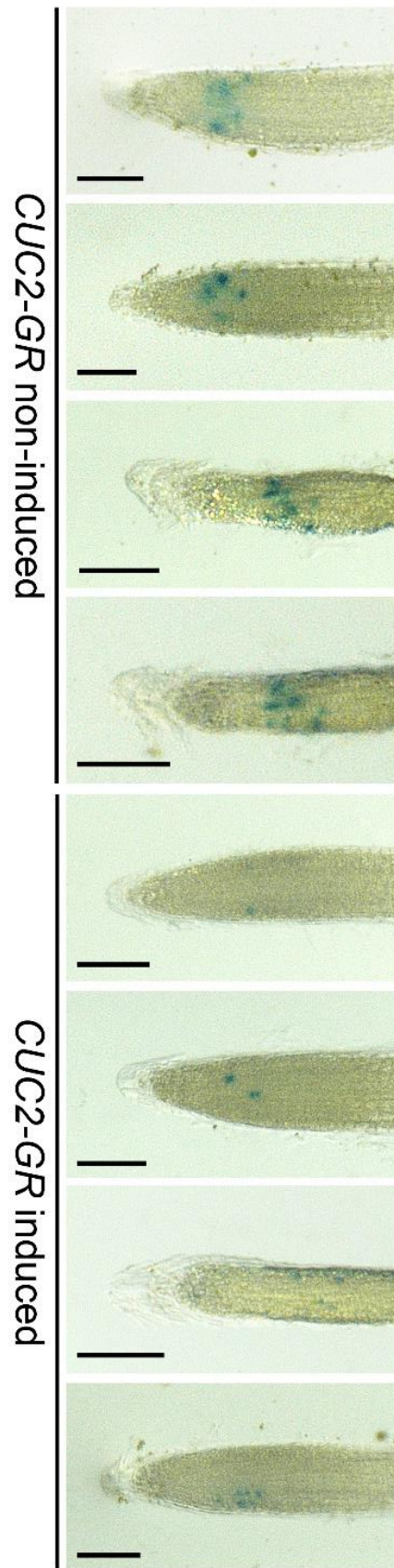


Figure S6 Induction of *CUC2-GR* reduces *CYCB1;1::GUS* expression in roots. Before GUS staining, F1 seedlings of the crossing *CUC2-GR* ♀ x *CYCB1;1::GUS* ♂ were grown with and without 10 μ M DEX, 8 DAG.