LEGENDS FOR SUPPLEMENTARY FIGURES
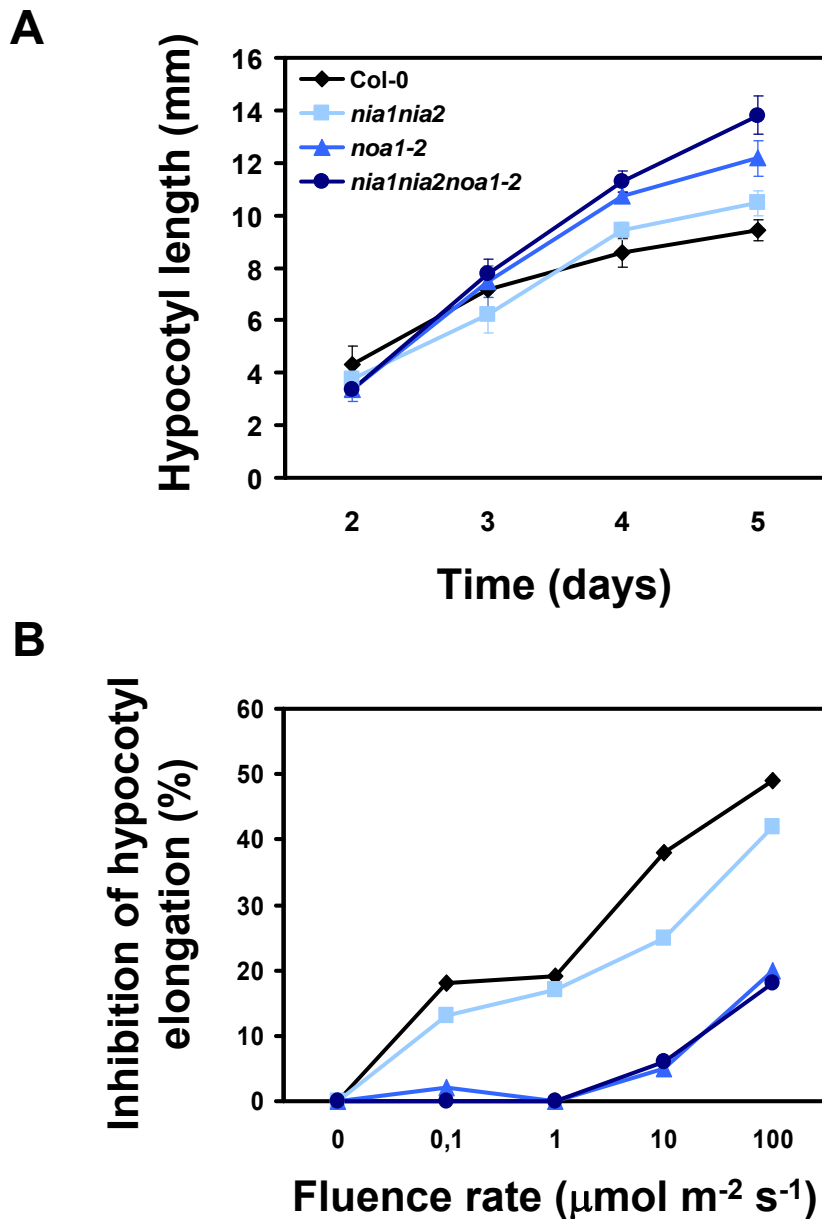
Fig. S1

A

B

Figure S1. Time- and fluence rate-dependence effect of red light on the elongation of wild type and NO-deficient hypocotyls. (A) Hypocotyl length was measured at the indicated times after illumination with 20 μmol m^{-2} s^{-1} of red light. Values are the mean ± standard error (n = 20). (B) Rate of inhibition of hypocotyl elongation by increasing fluence rates of red light was expressed after measuring hypocotyls lengths of the different genotypes by 5 days after illumination with the indicated doses of red light.
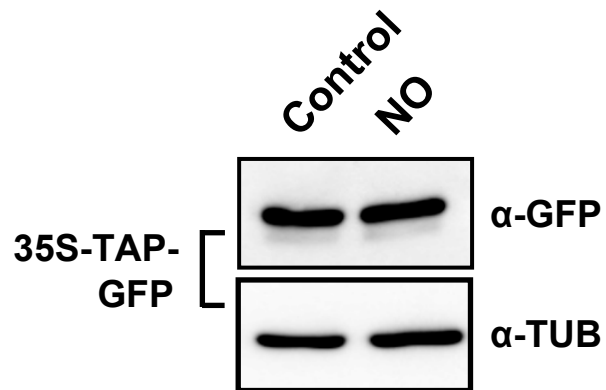
Figure S2. Similar levels of GFP in NO-treated and control untreated *35S-TAP-GFP* seedlings. *35S-TAP-GFP* seedlings were used to analyze protein levels in seedlings treated with 250 μM SNP (NO) for 2.5 h or untreated (Control). TAP-GFP was detected with anti-GFP antibodies and the levels of tubulin (TUB) are shown as loading control.
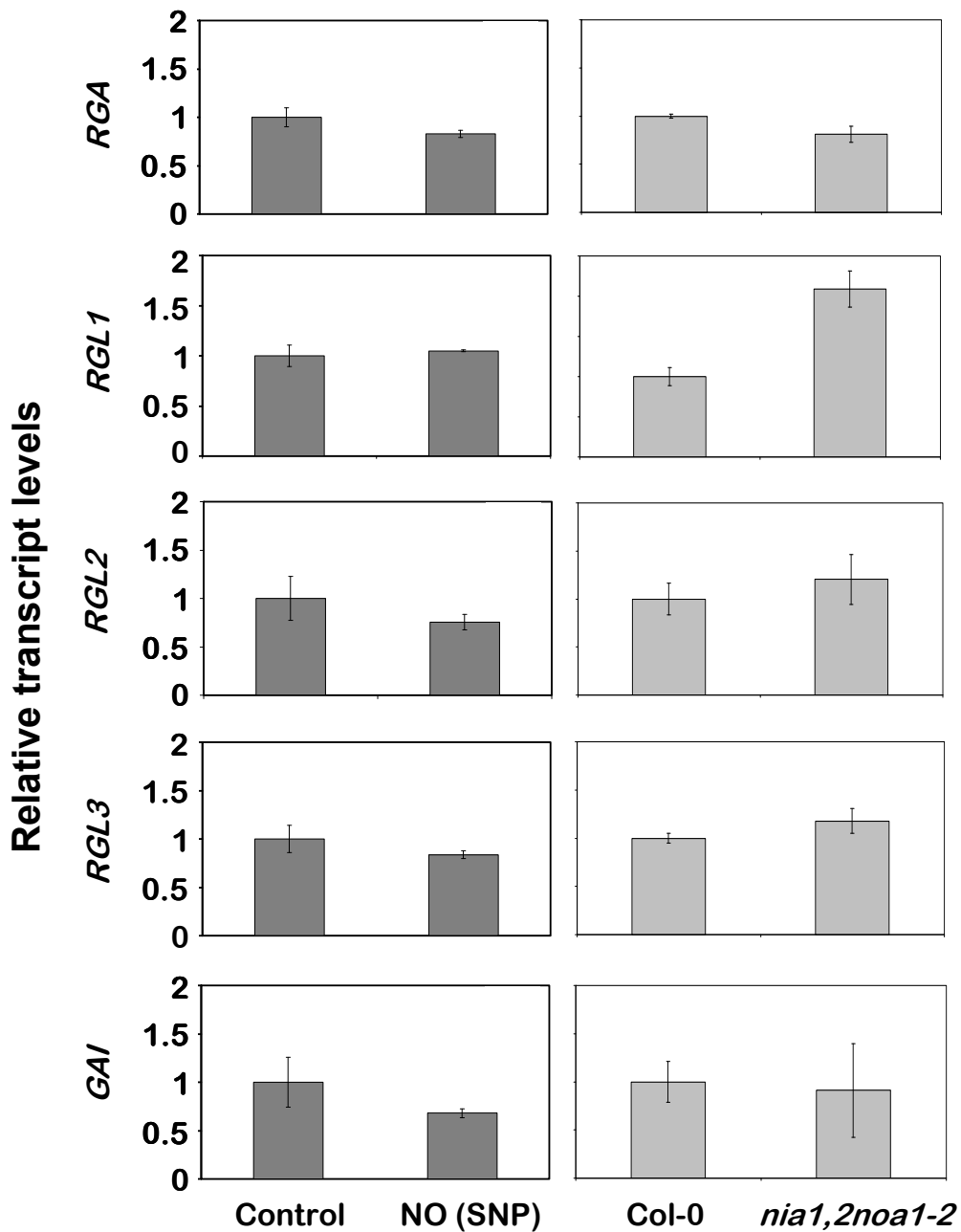
Figure S3. Relative transcript levels of genes coding for DELLA proteins in wild type and NO-deficient hypocotyls. Quantitative RT-PCR was used to measure *DELLA* transcript levels with gene specific primers and total RNA isolated from wild type Col-0 or *nia1nia2noa1-2* hypocotyls of seedlings grown under red light either untreated (Control) or treated with 1 mM of the NO donor SNP for 2 h. Values are normalized with the endogenous levels of *ACTIN2* transcript and are relative to those of Col-0 untreated samples. Values are the mean of three independent replicates ± standard error.

Geranylgeranyl diphosphate
↓
ent-Copalyl diphosphate
↓
ent-Kaurene
↓
ent-Kaurenoic acid
↓

GA_{12} — GA3ox → GA_{53}

GA_9 — GA20ox — GA_{20}

GA_4 — GA3ox — GA_1

GA_{34} — GA2ox — GA_8

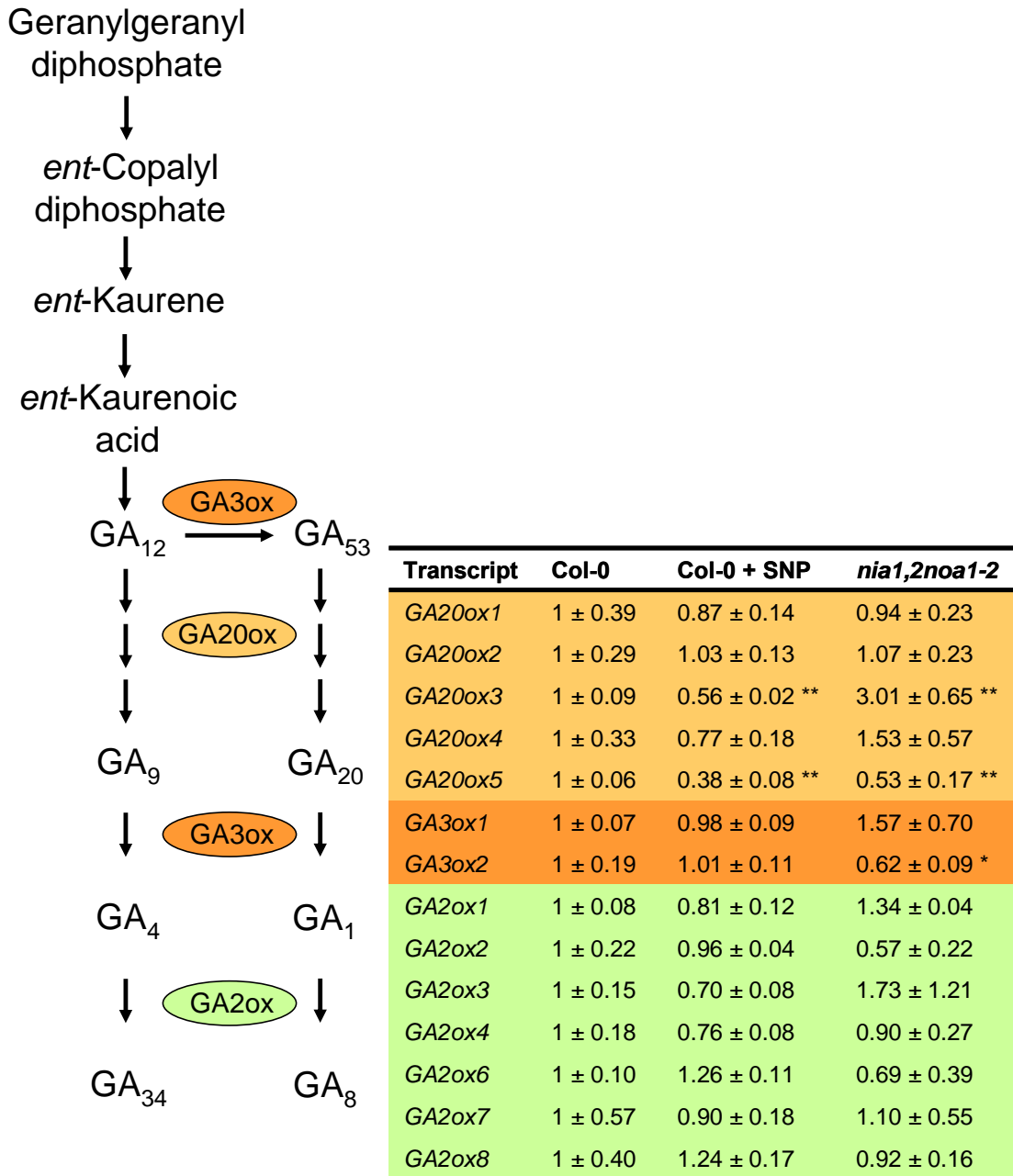| Transcript	Col-0	Col-0 + SNP	*nia1,2noa1-2*
GA20ox1	1 ± 0.39	0.87 ± 0.14	0.94 ± 0.23
GA20ox2	1 ± 0.29	1.03 ± 0.13	1.07 ± 0.23
GA20ox3	1 ± 0.09	0.56 ± 0.02 **	3.01 ± 0.65 **
GA20ox4	1 ± 0.33	0.77 ± 0.18	1.53 ± 0.57
GA20ox5	1 ± 0.06	0.38 ± 0.08 **	0.53 ± 0.17 **
GA3ox1	1 ± 0.07	0.98 ± 0.09	1.57 ± 0.70
GA3ox2	1 ± 0.19	1.01 ± 0.11	0.62 ± 0.09 *
GA2ox1	1 ± 0.08	0.81 ± 0.12	1.34 ± 0.04
GA2ox2	1 ± 0.22	0.96 ± 0.04	0.57 ± 0.22
GA2ox3	1 ± 0.15	0.70 ± 0.08	1.73 ± 1.21
GA2ox4	1 ± 0.18	0.76 ± 0.08	0.90 ± 0.27
GA2ox6	1 ± 0.10	1.26 ± 0.11	0.69 ± 0.39
GA2ox7	1 ± 0.57	0.90 ± 0.18	1.10 ± 0.55
GA2ox8	1 ± 0.40	1.24 ± 0.17	0.92 ± 0.16

Figure S4. Biosynthetic pathway of gibberellins in Arabidopsis and levels of the biosynthetic and catabolic gene transcripts in hypocotyls of wild type Col-0, either treated with 1 mM of SNP as exogenous NO donor for 2 h or untreated as control, as well as in the NO-deficient *nia1nia2noa1-2* mutant seedlings grown under red light. Values are normalized with the endogenous levels of *ACTIN2* transcript and are relative to those of Col-0 untreated samples. Values are the mean of three independent replicates ± standard error. * and ** represent statistically significant differences after Student t-test with $p < 0.05$ and 0.01, respectively.
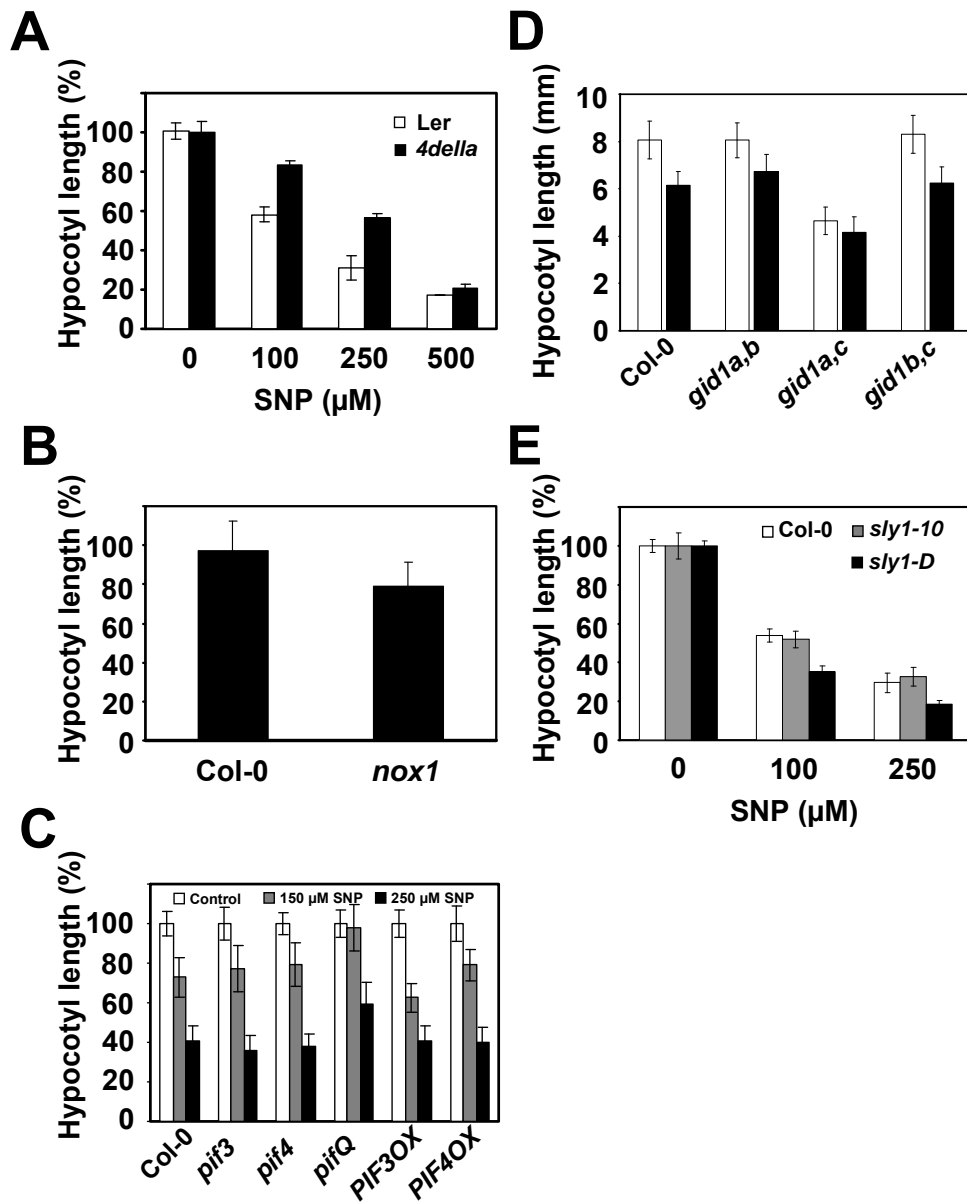
A

B

C

D

E

Figure S5. Control experiments corresponding to Figures 1, 3, 5 and 6 performed in darkness.