## **Supplementary Information**

Table S1. Root length of the seedlings grown in the light.

Seedling Lines	Average of Root Length (mm)	Standard Deviation
col	11.525 <sup>a</sup>	0.127
ctr1-1	5.184 <sup>d</sup>	0.179
33	7.430 °	0.073
15	8.174 bc	0.093
47	8.465 <sup>b</sup>	0.046

The statistical significance was determined by Duncan's multiple comparison tests. Different letters above bars indicate significant differences (p < 0.05). The same letter indicates no significant difference (p < 0.05).

**Table S2.** Root and hypocotyl length of the etiolated seedlings.

Seedling	Average of Root	Standard	Average of Hypocotyl	Standard
Lines	Length (mm)	Deviation	Length (mm)	Deviation
col	5.254 <sup>a</sup>	1.295	14.294 <sup>a</sup>	1.704
ctr1-1	1.011 °	0.220	7.735 °	0.629
33	2.641 <sup>b</sup>	0.378	8.952 <sup>b</sup>	0.439
15	2.740 <sup>b</sup>	0.600	9.216 <sup>b</sup>	0.375
47	2.698 <sup>b</sup>	0.439	9.216 <sup>b</sup>	0.493

The statistical significance was determined by Duncan's multiple comparison tests. Different letters above bars indicate significant differences (p < 0.05). The same letter indicates no significant difference (p < 0.05).