



***fas* mutants show increased UV-C sensitivity.**

Relative root growth of *fas1-2* (Nossen), *fas2-1* (Ler) and wild-type plants after various doses of UV-C irradiation as indicated. The average root length of non-irradiated plants in each case was taken as 100 %. Error bars show indicate standard error (SE). Data are means \pm SE and represent the results of three independent experiments.

Methods

One-week-old sterile seedlings were irradiated with 125, 250, or 500 J/m² of UV-C at a dose rate of 10 J/m²/s. Irradiated seedlings were then transferred to fresh solid MS medium in a vertical position and incubated for 3 days at 22°C in the dark followed by 2 days at 22°C in the light. The main root length of each plant was measured 5 days after UV-C irradiation. The average growth of the main root for of each plant after UV-C irradiation was determined for each UV-C dose.

Supplementary Figure S4