



**Figure S1.** Sucrose increases the gravitropic bending of hypocotyls in *Arabidopsis* plants. Three-day-old etiolated Col-0 seedlings grown on vertical Petri plates without sucrose or in the presence of sucrose (1% w/v) were gravistimulated by a 90° counterclockwise rotation of the plates. Angles of their hypocotyl curvature were measured 4 h and 6 h after the moment of gravistimulation. Abbreviations: CG - gravistimulated plants grown without sucrose; SG - gravistimulated plants grown in the presence of sucrose. Data are means  $\pm$  SD (n=80). Sucrose significantly ( $P < 0.0001$ , Student's *t*-test) increased the angle of hypocotyl bending 4 h and 6 h after gravistimulation.