

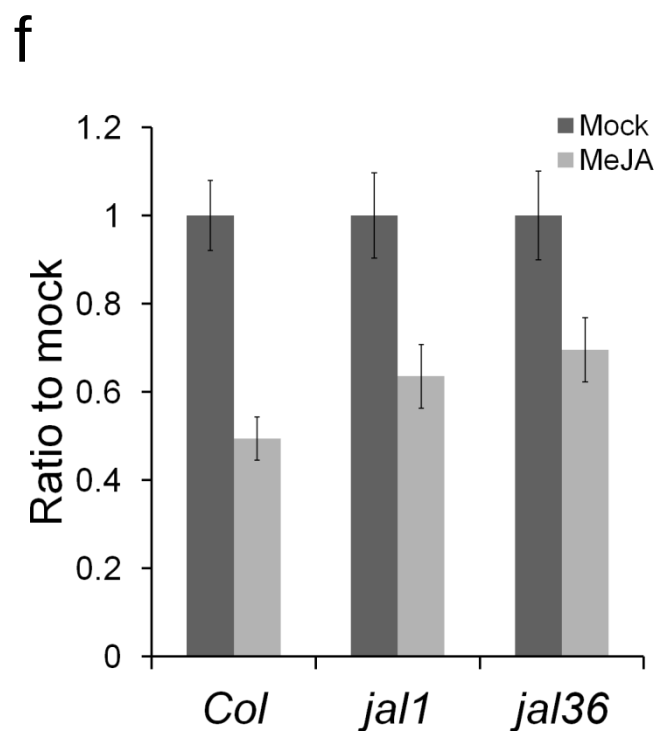
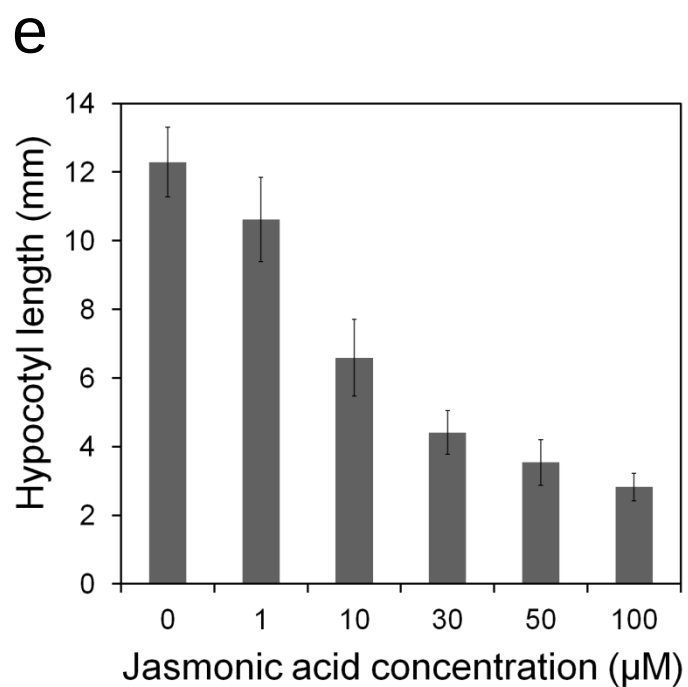
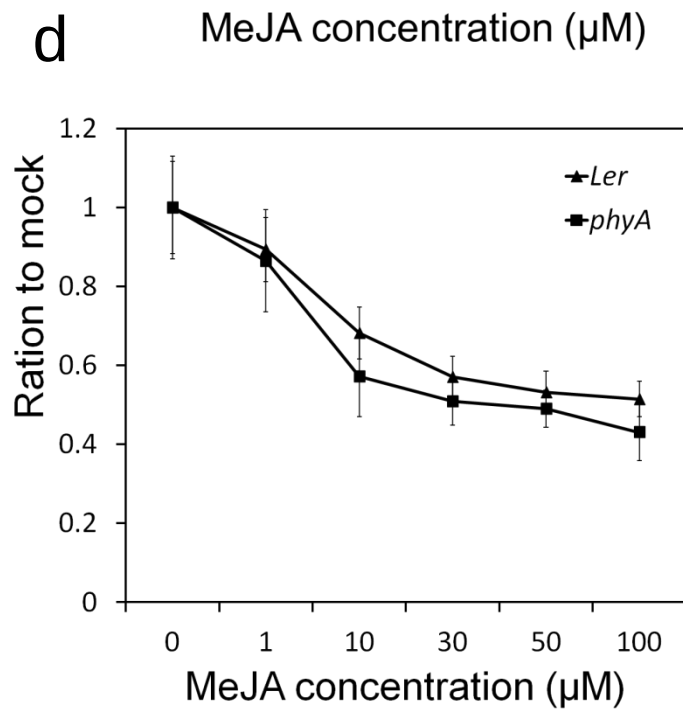
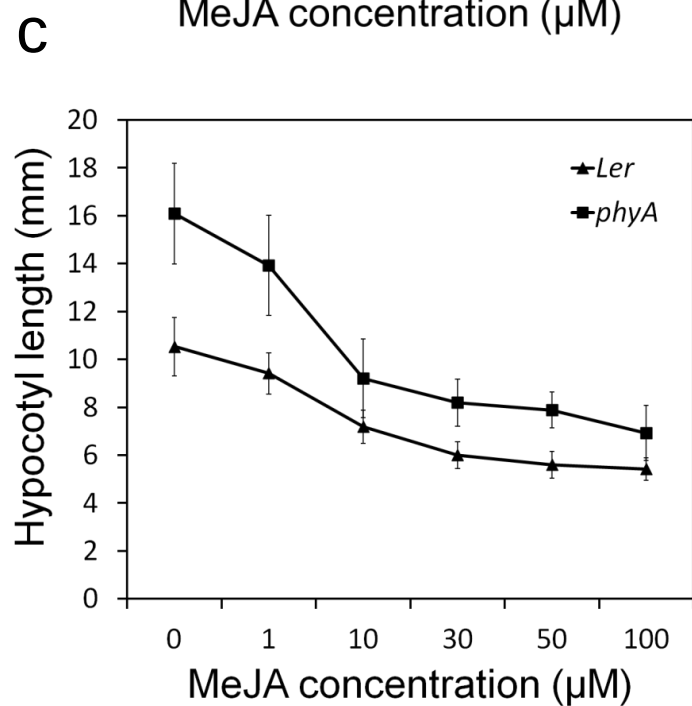
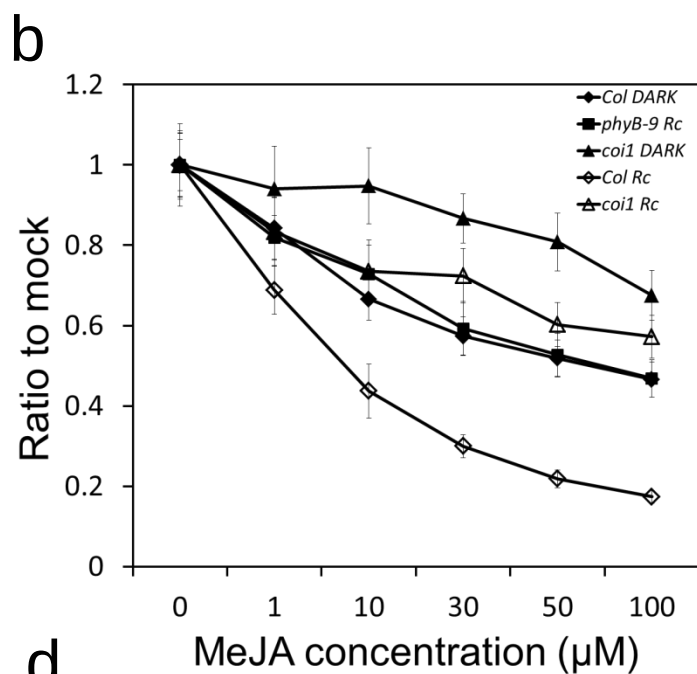
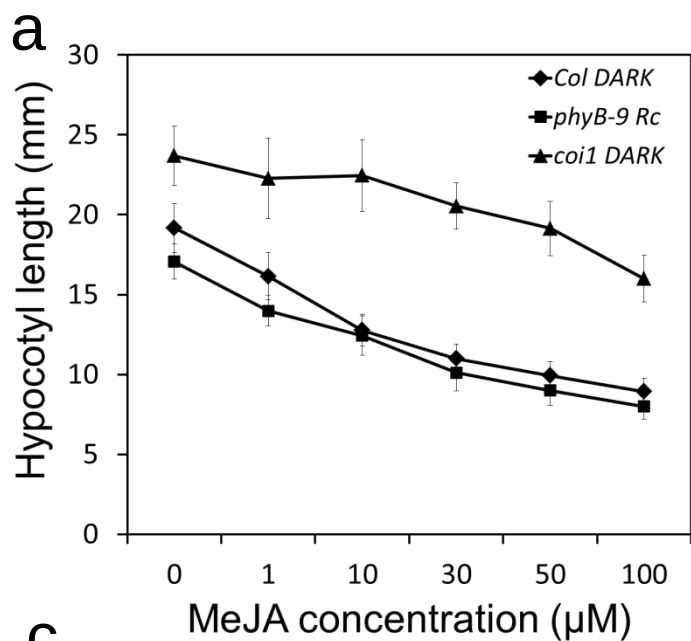


Figure S1. Jasmonates suppress hypocotyl elongation various light conditions.

a, Hypocotyl lengths of 6-d-old Col or *phyB-9*, *coi1* mutant seedlings with 0, 1, 10, 30, 50, or 100 μM MeJA treatment on MS medium under dark (Col, *coi1-16s*) or Rc (*phyB-9*).

b, Hypocotyl lengths ratio of 6-d-old Col or *phyB-9,coi1* mutant seedlings with 0, 1, 10, 30, 50, or 100 μM MeJA treatment on MS medium under dark (Col,*coi1-16s*) or Rc (*phyB-9*, Col, *coi1-16s*) compared to mock treatment.

c, Hypocotyl lengths of 6-d-old Ler or *phyA* mutant (*phyA-201*) seedlings with 0, 1, 10, 30, 50, or 100 μM MeJA treatment on MS medium under 0.02-0.05 $\mu\text{molm}^{-2}\text{s}^{-1}$ FRc.

d, Relative data of Figure S1c compared to Ler.

e, Hypocotyl lengths of 6-d-old Col seedlings with 0, 1, 10, 30, 50, or 100 μM jasmonic acid treatment on MS medium under 30-50 $\mu\text{molm}^{-2}\text{s}^{-1}$ Rc.

f, Relative data of Figure 3 compared to mock.

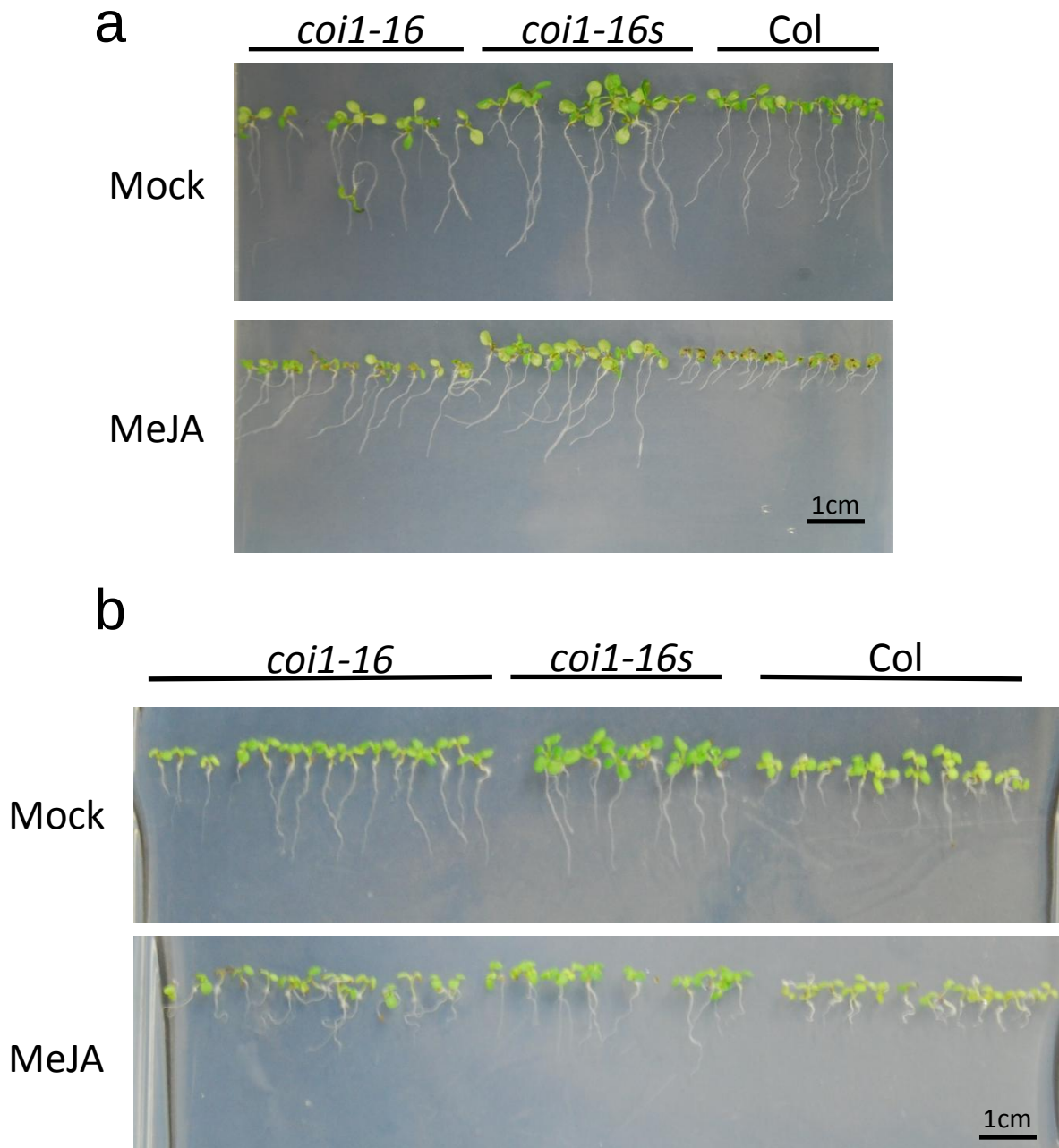


Figure S2. Photograph of Col , *coi1-16* and *coi1-16s* seedlings grown on MS medium with or without 50 μ M MeJA under white light, at 23 degrees centigrade for 6 days (a), and at 16 degrees centigrade for 21 days (b)

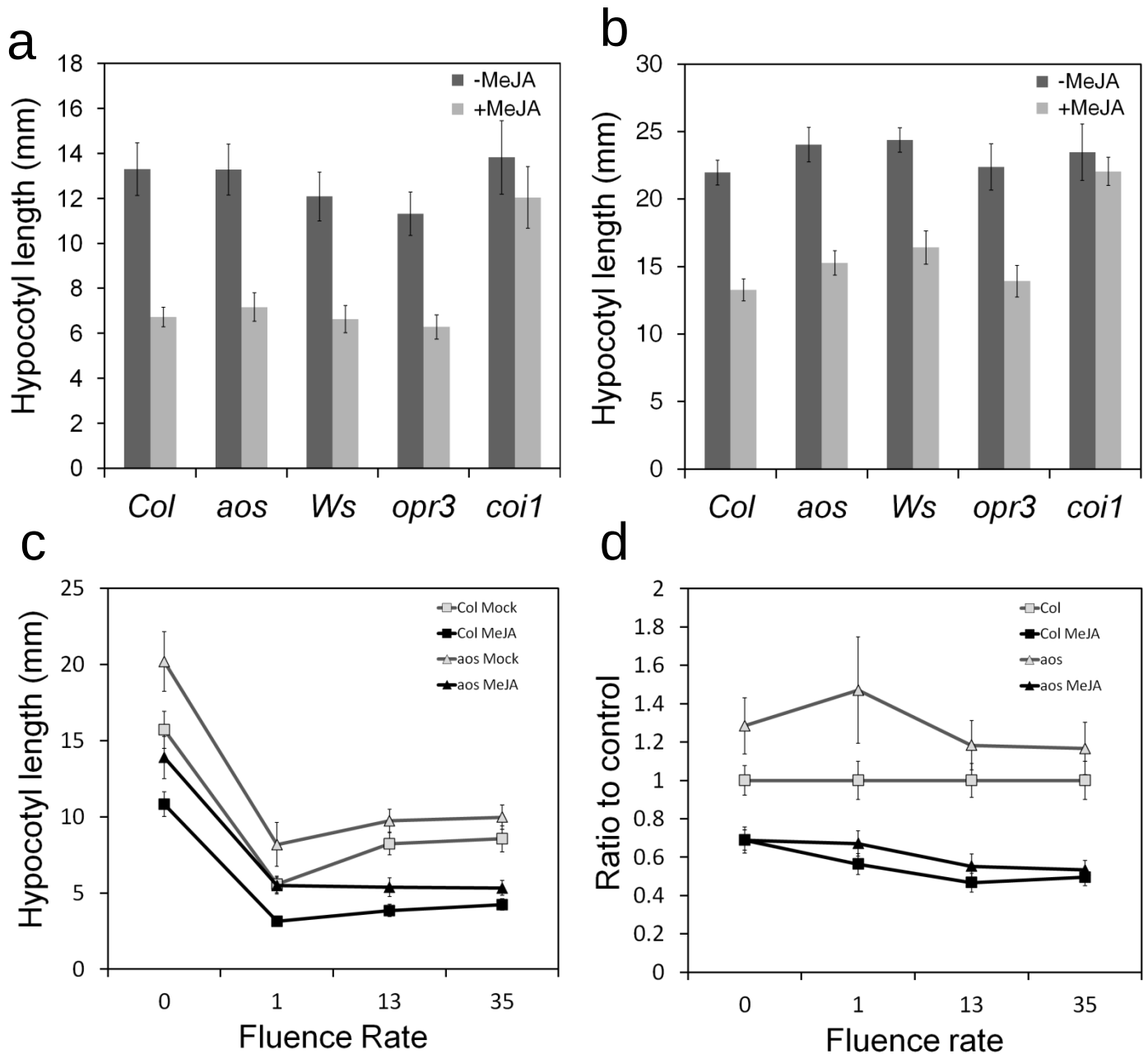


Figure S3

a, b, Hypocotyl length of 6-d-old seedlings of Col, *aos*, Ws, *opr3*, and *coi1-16s* grown on MS medium (with 1% sucrose) under 30-50 $\mu\text{molm}^{-2}\text{s}^{-1}$ Rc or dark conditions with or without 10 μM MeJA.

c, Hypocotyl lengths of 6-d-old Col and *aos* seedlings grown under 0, 1, 13, or 35 $\mu\text{molm}^{-2}\text{s}^{-1}$ Rc on MS medium (no sucrose) with or without 10 μM MeJA.

For a to c, data are the means $\pm$ S.D. (n = 15 seedlings per genotype).

d, Relative data of figure S3c compared to the Col mock for *aos* mock and Col MeJA, to *aos* mock for *aos* MeJA