

Table S1. Details of the experimental design used.

| Experiment | Season | Nursery chamber | Hydroponic growth | Photoperiod (light/dark) | Air temperature (°C) ¹ |
|------------|--------|-----------------------|-----------------------|--------------------------|-----------------------------------|
| I | Fall | 21/09/2018-18/10/2018 | 18/10/2018–02/12/2018 | 11 h / 13 h | 19.7± 3.5 |
| II | Winter | 02/11/2018-03/12/2018 | 03/12/2018–20/01/2019 | 10 h / 14 h | 15.5±1.5 |
| III | Spring | 18/02/19-20/03/2019 | 20/03/2019–04/05/2019 | 13 h / 11 h | 20.2±2.5 |

¹ average temperature per day.**Table S2.** Nutrient solution composition (mg/L)¹.

| NO ₃ | NH ₄ | P | K | Ca | Mg | Na | SO ₄ | Cl | Fe | B | Cu | Zn | Mn | Mo |
|-----------------|-----------------|------|-------|-------|------|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|
| 223.7 | 28.0 | 61.9 | 388.3 | 180.4 | 24.3 | 0.3 | 79.7 | 0.0 | 2.2 | 0.3 | 0.1 | 0.3 | 0.3 | 0.1 |

¹ pH 6.0 and 2.37 dS/m of electrical conductivity.