Supplemental File S1

Direct inoculation *in vitro*: *in vitro* shoot inoculation by directly inoculating with solid bacterial culture.

Bacterial strain

A4 strain of *Rhizobium rhizogenes* was used for induction of hairy roots. A solid bacterial culture of *R. rhizogenes* was prepared by dipping a sterile inoculation loop (Copan, California, USA) in a bacterial stock, and plating it on malt yeast agar (MYA) medium containing 15 g L^{-1} agar (Duchefa) in a petri dish. The bacterial culture was left for 4 days in an incubator at 28ºC.

In vitro shoot inoculation by directly inoculating with solid bacterial culture

In vitro T. baccata germinated seedlings (Figure S1A) were obtained from embryo rescue (He, J. unpublished data). The roots of approximately 4 months old seedlings were cut with a scalpel to produce *in vitro* shoots (Figure S1). The cutting site of the shoot explants were smeared on *R. rhizogenes* culture (n=20), whilst the same number of control explants were smeared on solid MYA medium. Afterwards, the explants were transferred to rooting media (half strength MS media + 2.5 g L^{-1} gelrite), and grown in a climate chamber (Conviron No. A1000, Canada) at 25ºC, with light at 40 µmol m^{-2} s^{-1}, under a 16 h light / 8 h dark photoperiod. The experiment was repeated twice.

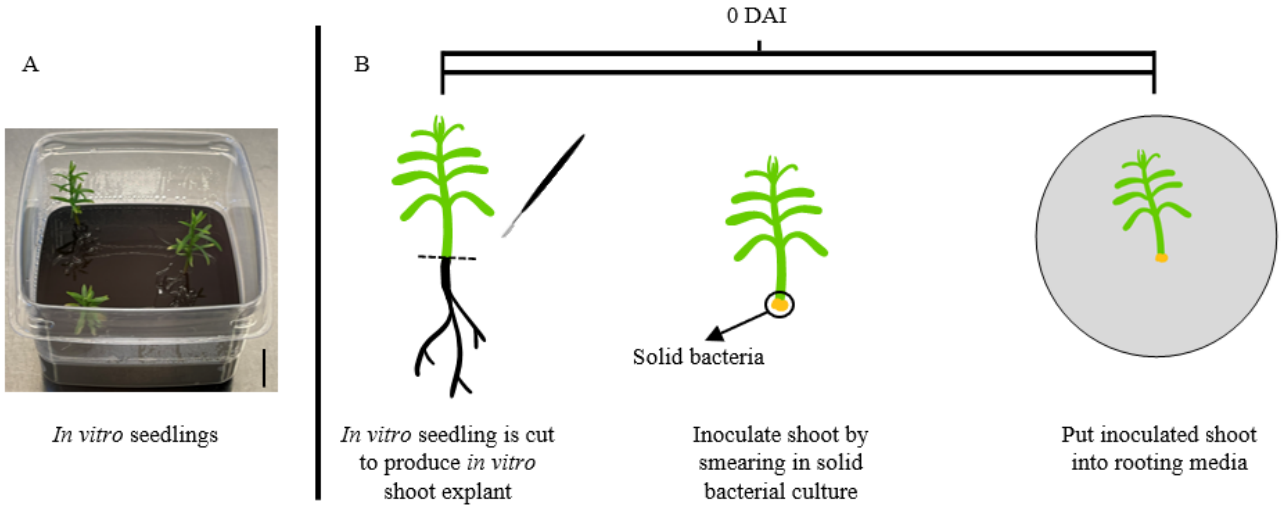

Figure S1. Plant material and schematic representation for the inoculation of *in vitro* shoot by the direct inoculation method. (**A**) *T. baccata in vitro* seedling, bars = 1 cm; (**B**) schematic representation. DAI: days after infection.