

Data S1. Approximate cost calculation and time required for the shoot-tip culture method

A. One-time cost of reusable consumables for experiment with 5 replications:

Magenta boxes- 11 EUR

Cut end of falcon tubes - 1.5 EUR

B. Cost of non-reusable consumables for experiment with 5 replications:

½ conc. MS buffer – ~5-10 cents

U-¹³C glucose - ~ 40 EUR

Parafilm- ~10-15 cents

C. Time required for the shoot-tip set-up:

Autoclaving of the magenta boxes & clean bench UV sterilization: 1-2 hours

Shoot-tip isolation - ~2 mins

Shoot-tip sterilization - 12 mins

Shoot-tip system set-up - ~5 mins