Table 1 The composition of culture medium used in this study

The name of medium	The composition of medium
Callus induction	NB (N_6macro+B_5micro+B_5vitamine)+CH; 300 mg/L+Pro; 500 mg/L+Gln; 500 mg/L+2,4−D; 2 mg/L +sucrose; 30 g/L+Agar; 8 g/L, pH: 5.8
co-culture	NB+CH; 300 mg/L+Pro; 500 mg/L+Gln; 500 mg/L+2,4−D; 2 mg/L+AS; 100 umol/L+sucrose; 65 g/L+Agar; 8 g/L, pH: 5.2
Sterilization	NB+CH; 300 mg/L+Pro; 500 mg/L+Gln; 500 mg/L+2,4−D; 2 mg/L+Timentin; 300 mg/L+sucrose; 30 g/L+Agar; 8 g/L, pH: 5.8
Selection	NB+6−BA; 2 mg/L+KT; 0.5 mg/L+NAA; 0.5 mg/L+Timentin; 300 mg/L+PPT; 4 mg/L+sucrose; 30 g/L+Agar; 8 g/L, pH: 5.8
Differentiation	NB+CH; 300 mg/L+Pro; 500 mg/L+Gln; 500 mg/L+6−BA; 2 mg/L+KT; 0.5 mg/L+NAA; 0.5 mg/L+Timentin; 300 mg/L+sucrose; 30 g/L+Agar; 8g/L, pH: 5.8
Rooting	1/2MS+ NAA; 0.5 mg/L+sucrose; 30 g/L+Cef; 150 mg/L+Agar; 8 g/L, pH: 5.8
Resuspension liquid	NB+CH; 300 mg/L+Pro; 500 mg/L+Gln; 500 mg/L+2,4−D; 2 mg/L+AS; 100 umol/L+sucrose; 68.5 g/L+glucose; 36 g/L+Agar; 8 g/L, pH: 5.2
YEP	Peptone; 5 g/L+Yeast extract; 10 g/L+Nacl; 5 g/L+Km ;50 mg/L+Rif; 100 mg/L, pH: 7.2