Comparison of regeneration capacity and *Agrobacterium*-mediated cell transformation efficiency of different cultivars and rootstocks of *Vitis* spp. via organogenesis

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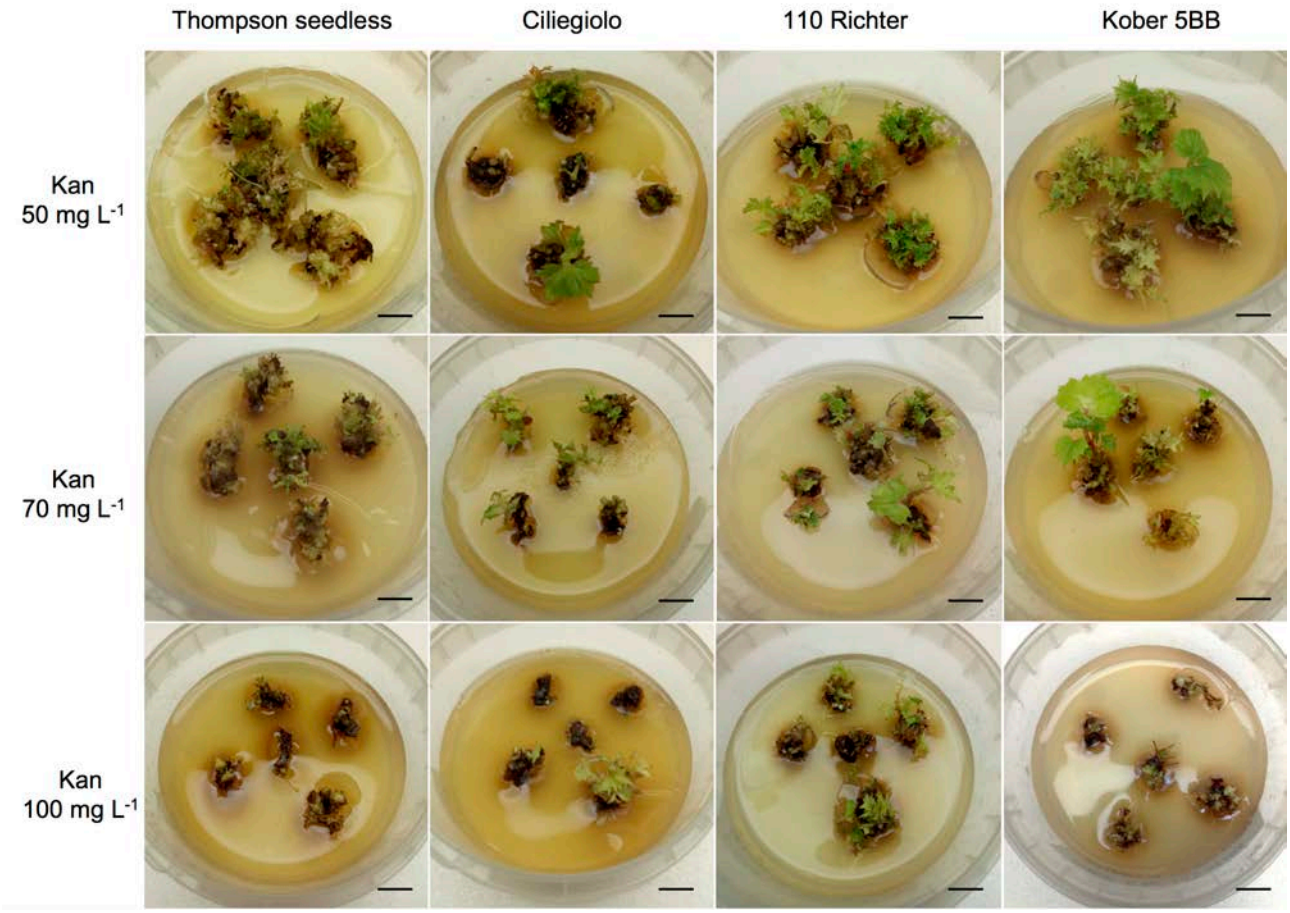
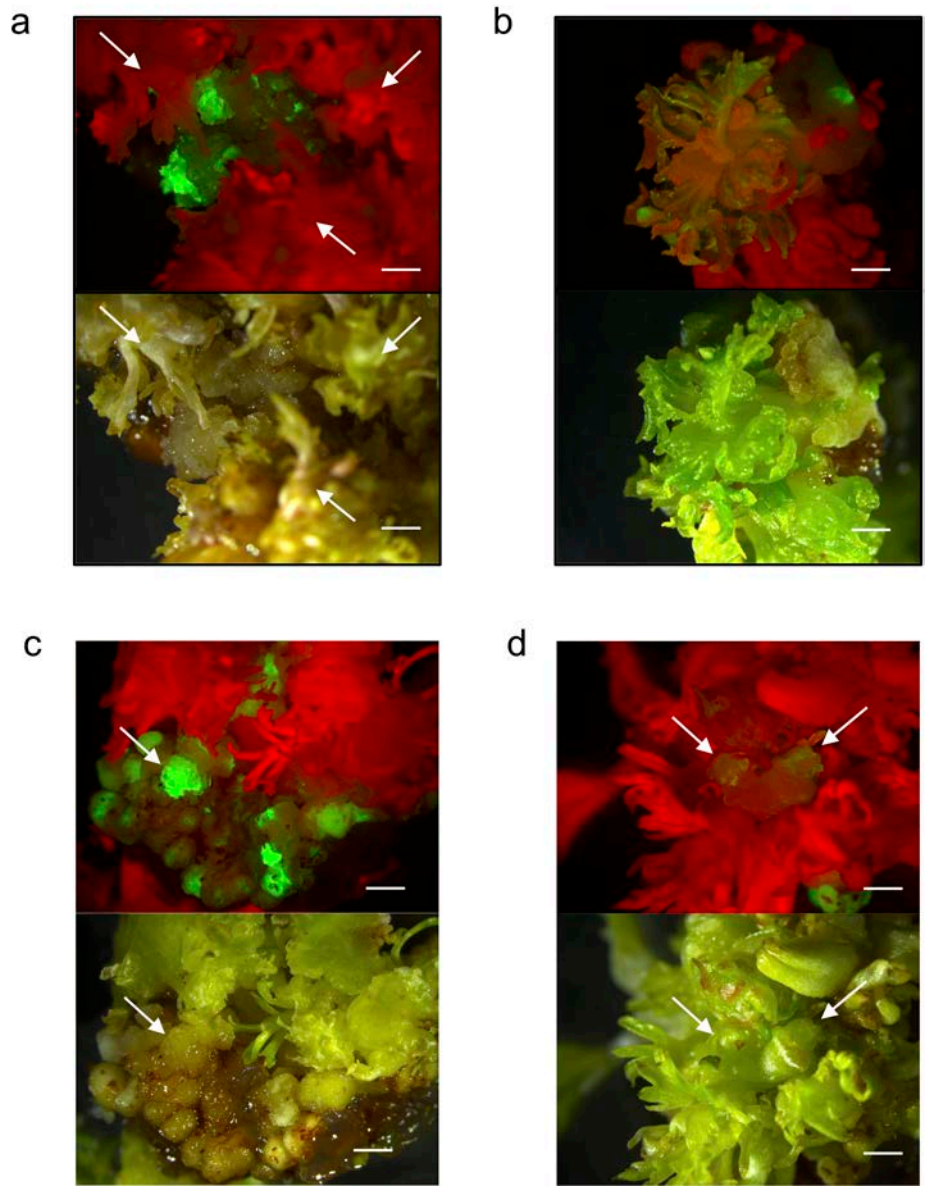
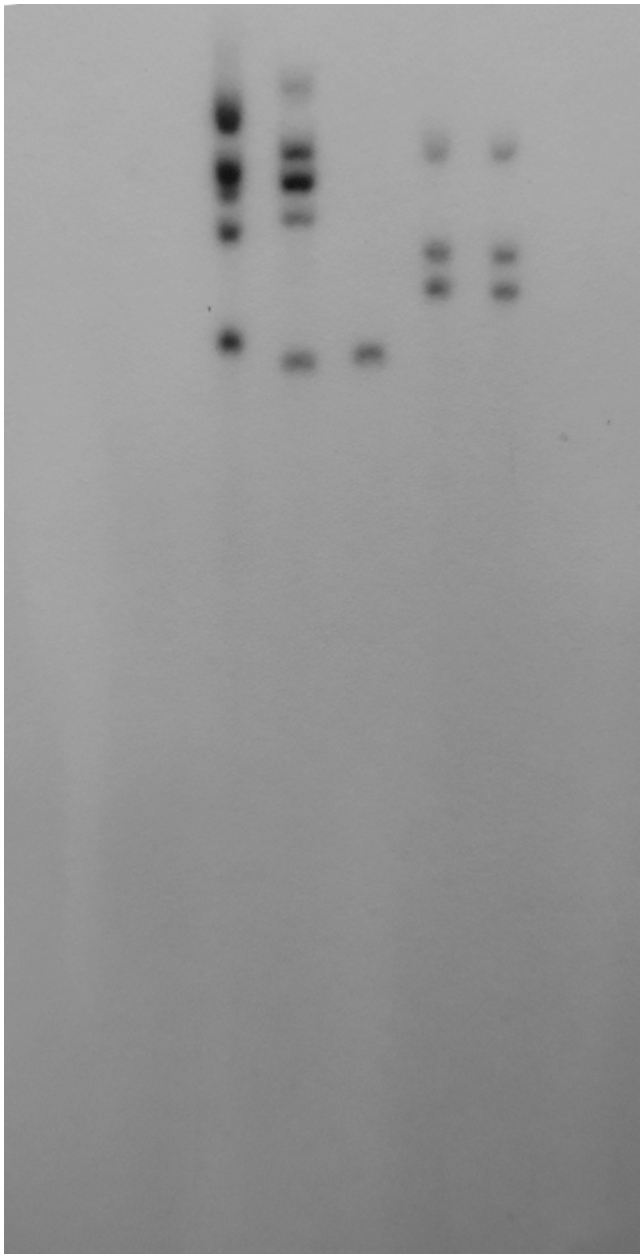


Supplementary Fig.1 Sensitivity test to kanamycin of non-transformed MB slices of Thompson seedless, Ciliegiolo, 110 Richter and Kober 5BB. A representative combined image after three weeks of culture on IM3 supplemented with increasing kanamycin concentrations (50 mg L^{-1}, 70 mg L^{-1}, and 100 mg L^{-1}).



Supplementary Fig.2 Thompson seedless MB slices. Uniform fluorescence with bright green colour was observed in transformed tissues under UV light: a) regeneration of escapes (non-transformed shoots) close to transgenic cells after 9 weeks of culture at kanamycin 70 mg L^{-1}, white arrows indicate groups of regenerating escapes; b) eGFP expressing shoot regenerated after 9 weeks of culture on kanamycin-free medium; c) White arrows indicate a eGFP fluorescent globular callus with no regenerative competence after 3 weeks of culture with kanamycin 70 mg L^{-1}; d) eGFP-fluorescent adventitious shoots regenerating after 3 weeks of culture with kanamycin 70 mg L^{-1}, white arrows indicate a translucent meristematic cells cluster. Upper and lower panels show images taken under UV and white light, respectively (*bar*= 2mm).



Supplementary Fig.3 Full-length Southern blot shown in Fig.4 d.