

**S13 Fig.** Hairy roots of *dmi3* mutant *Medicago truncatula* plants expressing *MtPT4*-p3 do not produce any perceptible betalain colouration 4-weeks after inoculation with *Rhizophagus irregularis*. (a-b) Example of an A17 *M. truncatula* root system expressing *MtPT4*-p3 able to produce betalains upon inoculation. (c-d) Example of *dmi3* *M. truncatula* root system expressing *MtPT4*-p3. (a,c) Images taken under reflective light, (b,d) are filtered for red colouring only. Scale bar, 1 cm.

