

**S1 Fig.** Expression of arbuscular mycorrhiza symbiosis marker genes *MtSTR* and *MtRAM2* in *Medicago truncatula* *MtPT4*-p1 composite roots is induced after inoculation with *Rhizophagus irregularis* and shows evidence of functional symbiosis. Expression of *Rhizophagus irregularis*  $\beta$ -tubulin (*RiBTub*) and elongation factor 1-alpha (*RiEF*) is used as a fungal biomass marker for root colonisation. Gene expression was analysed by qRT-PCR 4 weeks post inoculation. Mock roots were inoculated with autoclaved *R. irregularis* inoculum. Error bars represent standard errors of three biological replicates. Statistical p-value ( $p$ ) was obtained via unpaired two-samples Student's  $t$  test. Data underlying this figure can be found in S3 Data.

