Figure S1

Seed explant

Callus induction

Co-cultivation with Agrobacterium EHA105 carrying pCAMBIA 1380/mtlD construct

Hygromycin selection, morphogenesis and plant-let regeneration

Putative T₀ mtlD transgenic plants (mtlD-1, mtlD-3, mtlD-5 and mtlD-16)

~500 seeds from each plant were collected and selected on hygromycin medium (about 275 positive)

200 seeds from each line for seedling experiments

40 seeds from each line for plant level experiments

10 seeds from mtlD-1 T₁, mtlD-3 T₁ and mtlD-5 T₁ lines for seed multiplication

One PCR positive plant from each line was chosen (mtlD-1-2, mtlD-3-1 and mtlD-5-1)

Seeds (about 3000) from each line were collected and part of them were selected on hygromycin

200 seeds from each line were used for seedling experiments (mtlD-1-2 T₂, mtlD-3-1 T₂ and mtlD-5-1 T₂)