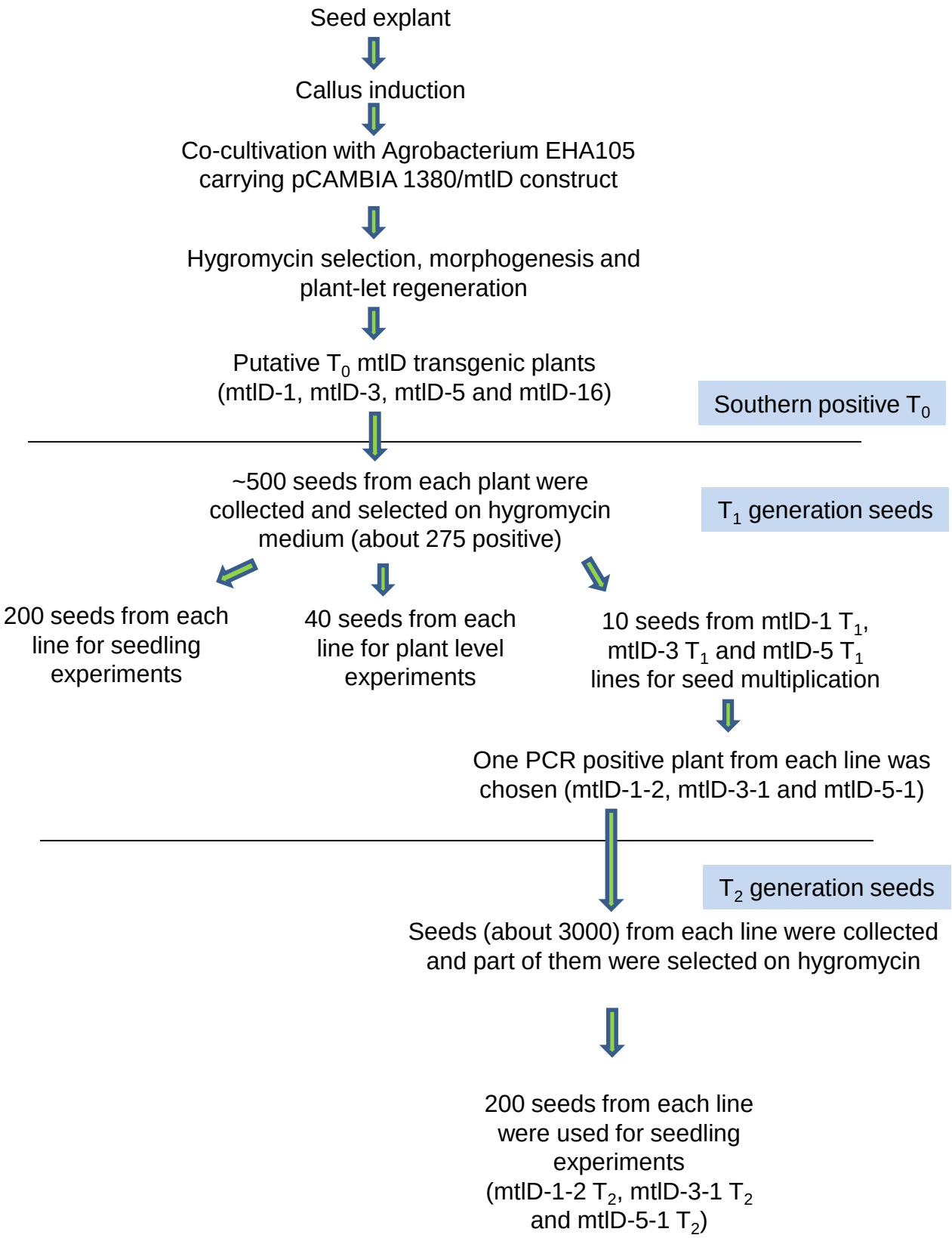
Figure S1


Seed explant
Callus induction
Co-cultivation with Agrobacterium EHA105 carrying pCAMBIA 1380/mtlD construct
Hygromycin selection, morphogenesis and plant-let regeneration
Putative T_0 mtlD transgenic plants (mtlD-1, mtlD-3, mtlD-5 and mtlD-16)
Southern positive T_0
~500 seeds from each plant were collected and selected on hygromycin medium (about 275 positive)
T_1 generation seeds
200 seeds from each line for seedling experiments
40 seeds from each line for plant level experiments
10 seeds from mtlD-1 T_1, mtlD-3 T_1 and mtlD-5 T_1 lines for seed multiplication
One PCR positive plant from each line was chosen (mtlD-1-2, mtlD-3-1 and mtlD-5-1)
T_2 generation seeds
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 T_2, mtlD-3-1 T_2 and mtlD-5-1 T_2)