

Supplemental File

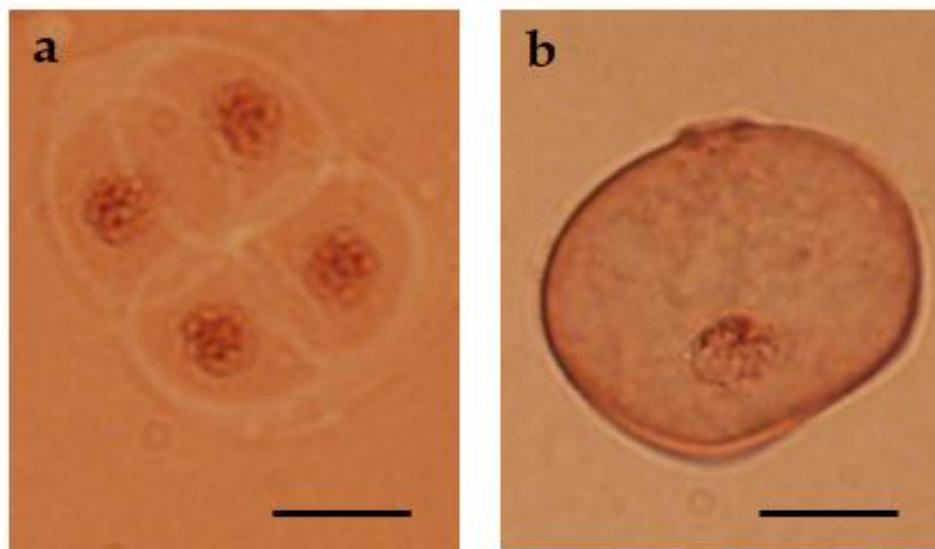


Figure S1. Barley microspores stained by acetocarmine, (a): microspore tetrad, (b): late-uninucleate microspore, Bar 10 μ m.

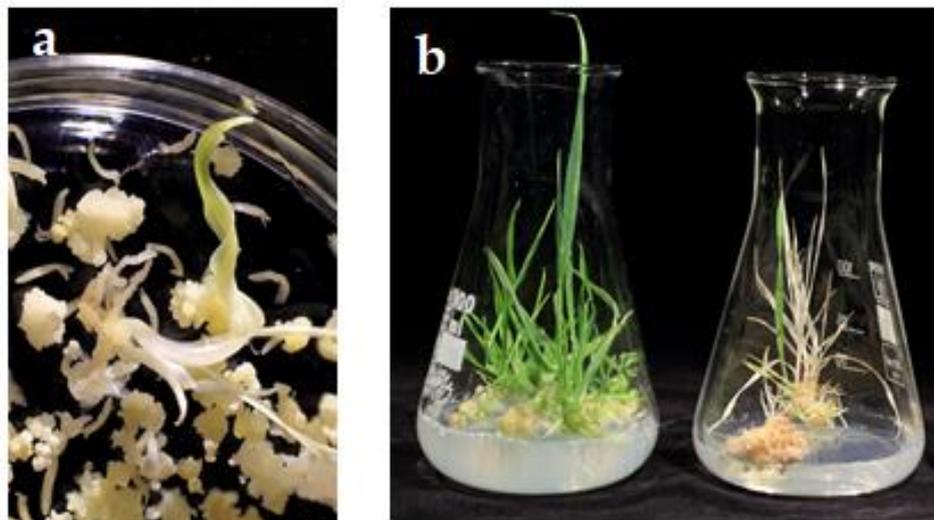


Figure S2. Induction and regeneration processes in barley anther culture, (a): pollen embryos or calli on induction medium after 4-5 weeks, (b): regenerating green and albinotic plantlets after 3 weeks on regeneration medium.



Figure S3. Regenerated plants from anthers of transgenic barley T1 generation, transgene Lim. The difference in appearance between a haploid plant (n), dihaploid plant (2n) and tetrahaploid plant (4n) are shown.

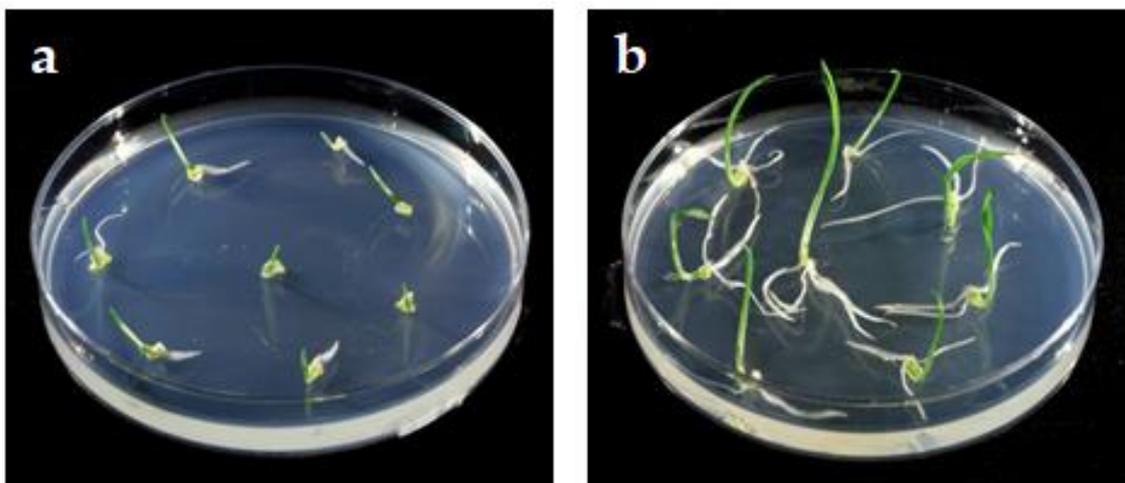


Figure S4. Transgenic barley embryo culture, (a): 5 days after cultivation, (b): 10 days after cultivation.



Figure S5. Transgenic plants (DH1 generation) regenerated from anther cultures.