

**Table S1. Types of culture media used in the study.**

Medium name	Function	Basal medium	Plant Growth Regulators
BM1	Proliferation of embryogenic callus	BM	0.2 $\mu$ M 6-BA, 0.4 $\mu$ M 2,4-D, 0.2 $\mu$ M KT
BM2	Transition before maturation	BM	none
BM3	Maturation of somatic embryos	BM	30 mg/L ABA
BM4	Hygromycin resistant callus selection	BM	2 $\mu$ M 6-BA, 4 $\mu$ M 2,4-D, 2 $\mu$ M KT
1/2MS	Germination of somatic embryos	MS	none