

Supplementary table 1. Efficiency of callus induction by arrangement of immature embryos

Experiment	Arrangement	Number of immature embryo	Number of callus	Callus induction (%)
1	Facing adaxial side upward	25	23	92
	Facing abaxial side upward	25	0	0
2	Facing adaxial side upward	25	25	100
	Facing abaxial side upward	25	0	0
3	Facing adaxial side upward	25	23	92
	Facing abaxial side upward	25	0	0