

SUPPLEMENTARY MATERIALS

to the article "The role of explant type and selective agent application in the initial transformation rate of *Lens culinaris* Medik."

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Table S1. Cultivation media and stock solutions used for *L. culinaris* transformation

Media		Stock solutions	
YEP	Per 1 l	AB salts 20X	Per 1 l
NaCl	5 g	NH ₄ Cl	20 g
Tryptone	10 g	MgSO ₄ ·7H ₂ O	6 g
Yeast extract	10 g	KCl	3 g
Agar (in case of solid medium)	15 g	CaCl ₂	260 mg
AB-MES, pH = 5.5	Per 1 l	FeSO ₄ ·7H ₂ O	50 mg
MES·1H ₂ O	10.66 g	AB buffer 20X	Per 1 l
Glucose	20 g	K ₂ HPO ₄ ·3H ₂ O	78.6 g
AB salts 20X	50 ml	NaH ₂ PO ₄ ·2H ₂ O	25.8 g
AB buffer 20X	50 ml	N6 macrosalts 10X	Per 1 l
ABM-SH, pH = 5.5	Per 1 l	KNO ₃	28.3 g
Sucrose	10 g	CaCl ₂	1.26 g
Myo-inositol	50 mg	MgSO ₄ ·7H ₂ O	1.85 g
N6 macrosalts	50 ml	(NH ₄) ₂ SO ₄	4.63 g
SH microsalts	0.5 ml	KH ₂ PO ₄	4 g
SH vitamins	0.5 ml	SH microsalts 1000X	Per 1 l
Fe chelate	9.5 ml	H ₃ BO ₃	5 g
MES·1H ₂ O	5.33 g	CoCl ₂ ·6H ₂ O	100 mg
Glucose	10 g	MnSO ₄	8.93 g
AB salts 20X	25 ml	KI	1 g
AB buffer 20X	25 ml	Na ₂ MoO ₄ ·2H ₂ O	100 mg
Phytigel (in case of solid medium)	5 g	ZnSO ₄ ·7H ₂ O	1 g
PCI-4, pH = 5.8	Per 1 l	CuSO ₄ ·5H ₂ O	200 mg
Sucrose	20 g	SH vitamins 1000X	Per 1 l
Myo-inositol	100 mg	Nicotinic acid	5 g
N6 macrosalts 10X	100 ml	Thiamine HCl	5 g
SH microsalts 1000X	1 ml	Pyridoxine HCl	5 g
SH vitamins 1000X	1 ml	Fe chelate	Per 1 l
Fe chelate	19 ml	FeSO ₄ ·7H ₂ O	5.56 g
Agar	8 g	Na ₂ EDTA·2H ₂ O	7.56 g

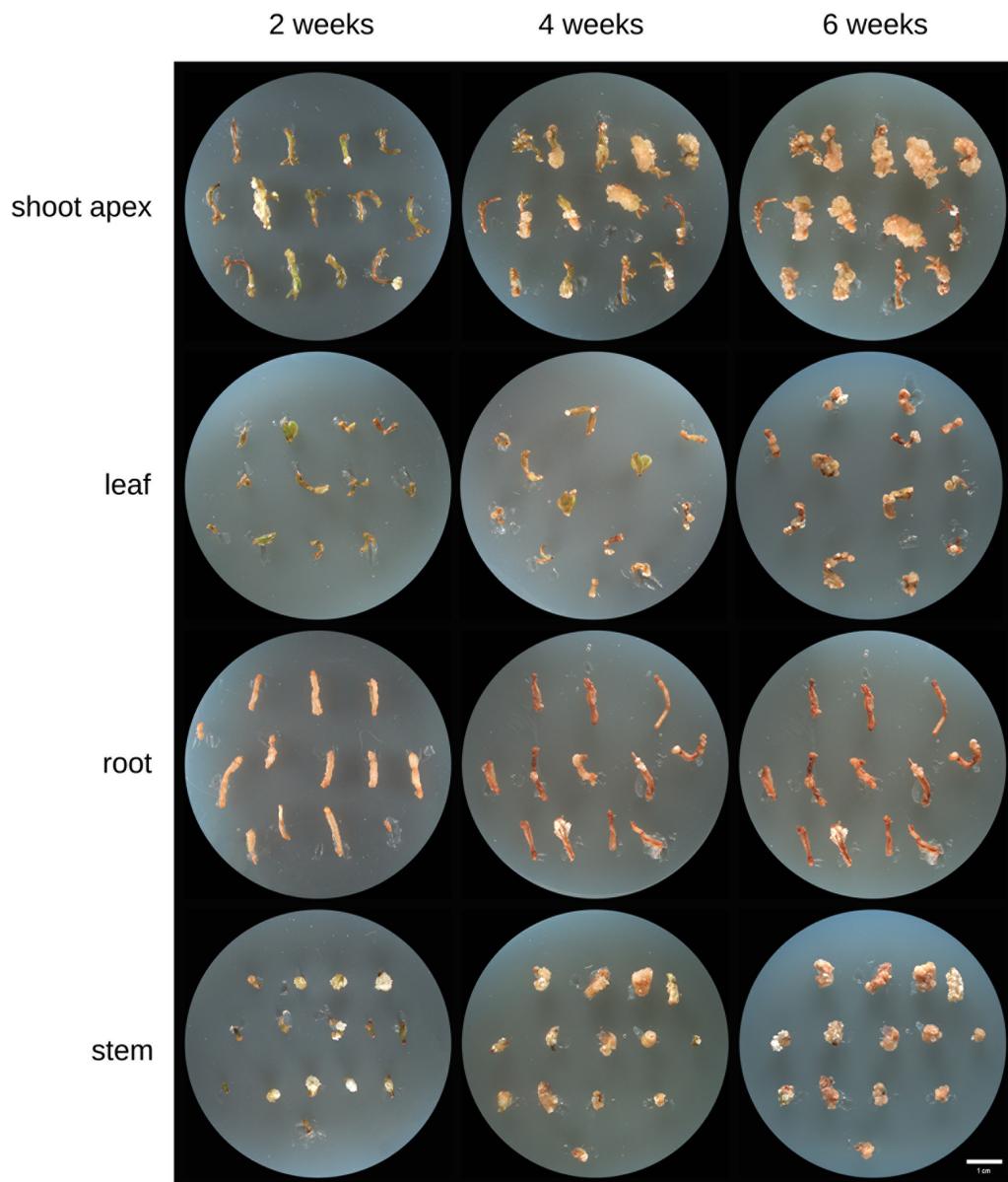


Fig. S1. Development of calli from explants transformed with pMDC32_eGFPper plasmid on the medium without hygromycin.

Scale bar is 1 cm.

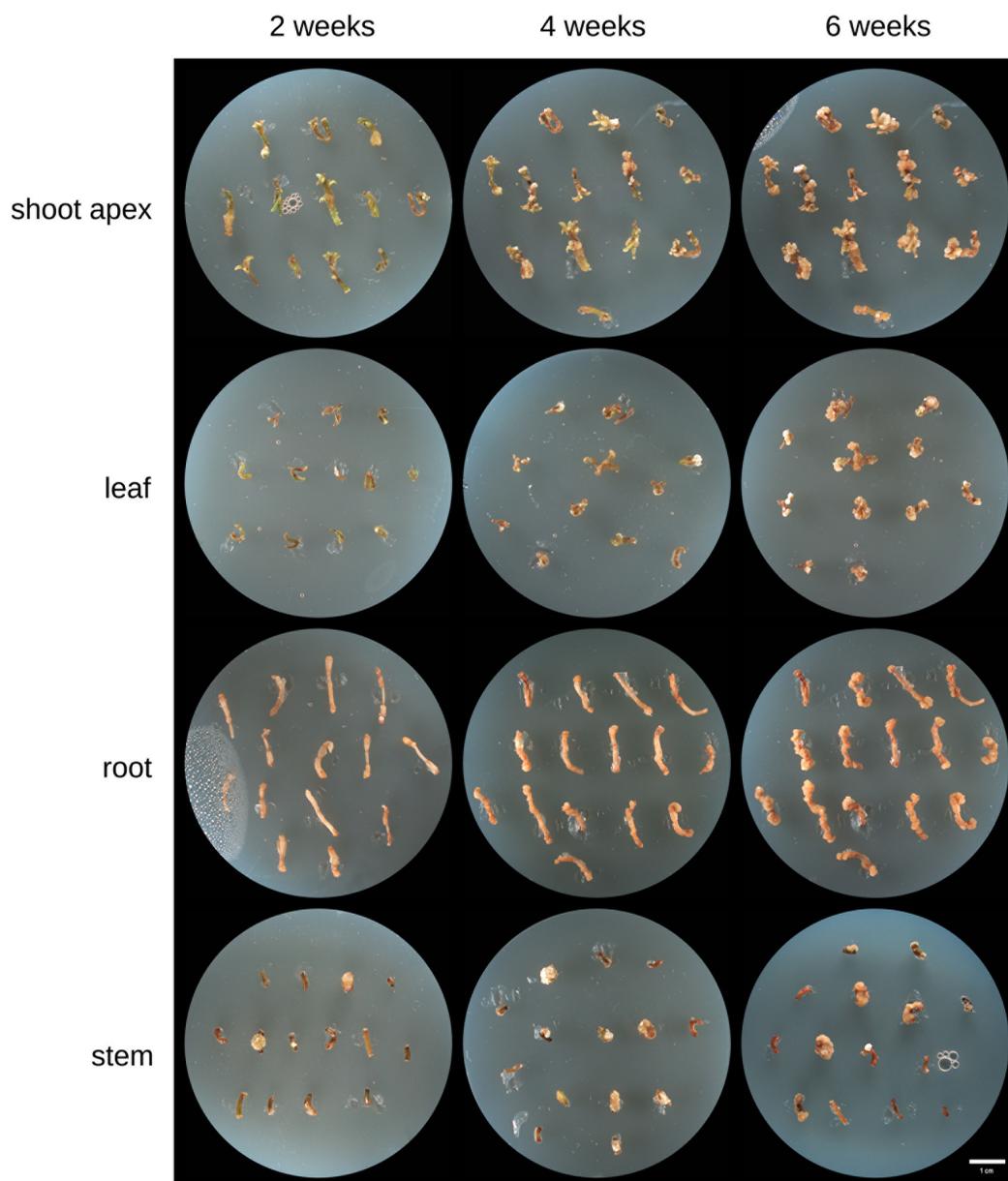


Fig. S2. Development of calli from explants transformed with pMDC32_eGFP on the medium with 10 mg/l hygromycin.

Scale bar is 1 cm.