

Supplementary Table 1. Definition of all media used for callus induction.

[illegible]

Supplementary Table 1. Continued.

	AA	KM8	LP9	MS- OG	MS- BH	MS- PM	MP- PAH	MP	MS- SEO	MS- SC	MS- Sucr ose	MS- Malt ose	NB
BD Bacto Casamino Acids (g/L)			0.5										0.3
Aspartic Acid	0.27												
Calcium Pantothenate		1.0											
Cholecalciferol		0.01											
Choline Chloride		1.0											
Citric Acid		40											
Cyanocobalamin		0.01											
D-Biotin		0.01											
DL-Malic Acid		40											
Folic Acid		0.4											
Fumaric Acid		40											
Glycine	7.5												
Inositol	100	100	100	100	100	100	100	100	100	100	100	100	100
L-Ascorbic Acid		2											
L-Cysteine				40						34			
L-Arginine	170												
L-Glutamine	880		500							500			500

Supplementary Table 1. Continued.

	AA	KM8	LP9	MS-OG	MS-BH	MS-PM	MP-PAH	MP	MS-SEO	MS-SC	MS-Sucrose	MS-Maltose	NB
L-Proline	2000		500	300			2000	2000			2000	2000	
L-Tryptophan						42				82			
Nicotinic Acid	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
p-Aminobenzoic Acid		0.02											
Pyruvic Acid, Potassium Salt		20											
Pyridoxine HCl	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Niacinamide		1.0											
Riboflavin		0.2											
Sodium pyruvate		20											
Thiamine HCl	10	10	10	10	10	10	10	10	10	10	10	10	10
Maltose							30	30		30	30		
Sucrose	20	30	30	30	30	30			30			30	30

Supplementary Table 1. Continued.

	AA	KM8	LP9	MS-OG	MS-BH	MS-PM	MP-PAH	MP	MS-SEO	MS-SC	MS-Sucrose	MS-Maltose	NB
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.99	4	5	3	2	2.5	2.2	5	3.6	6.7	5	5	2
Hormones (μ M)													
6-Benzylaminopurine (BAP)				0.045			2.3	0.5		1.4	0.5	0.5	
GA3	0.1												
IAA						1.0							
Kinetin	0.2					0.5							
pH		5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.8	5.8	5.8