Table S1. Two-way ANOVA indicating effect of different nutrient media (M), immersion frequency (I), and their interactions (M × I) on plant height (PH), root length (RL), and number of nodes (NN) of Gala potato variety

Treatment	df	PH				RL				NN			
		SS	F	P-value	PC%	SS	F	P-value	PC%	SS	F	P-value	PC%
Medium (M)	6	196.189	34.817***	<0.001	26.7	495.452	13.173***	<0.001	34.9	123.659	24.054***	<0.001	48.3
Immersion frequency (I)	2	451.362	240.306***	<0.001	61.4	491.907	39.237***	<0.001	34.7	62.851	36.677***	<0.001	24.5
M x I	12	43.058	3.821***	<0.001	5.9	130.529	1.735ns	0.088	9.2	28.635	2.785**	0.006	11.2
Error	48	45.079			6.1	300.883			21.2	41.127			16.0

The F values are provided with significance level indicated by the asterisks ***$P < 0.001$, **$P < 0.01$, ns—not significant

Table S2. Two-way ANOVA indicating effect of different nutrient media (M), immersion frequency (I), and their interactions (M × I) on weight per plant (WP), diameter of microtuber (DM), number of mi-crotubers per plant (NMP), and total weight (TW) of Gala potato variety

Treatment	df	WP				DM				NMP				TW			
		SS	F	P-value	PC %	SS	F	P-value	PC %	SS	F	P-value	PC %	SS	F	P-value	PC %
Medium (M)	3	0.540	6.247^{**}	0.003	19.2	0.716	4.431^{**}	0.003	18.2	29.861	19.907^{***}	<0.001	34.4	533.531	45.970^{***}	<0.001	39.0
Immersion frequency (I)	2	1.476	25.613^{***}	<0.001	52.5	1.815	16.840^{***}	<0.001	46.2	38.000	38.0^{***}	<0.001	43.8	455.593	58.882^{***}	<0.001	33.3
M x I	6	0.101	0.583^{ns}	0.740	3.6	0.103	0.318^{ns}	0.921	2.6	6.889	2.296^{ns}	0.068	7.9	286.223	12.331^{***}	<0.001	20.9
Error	24	0.692			24.6	1.293			32.9	12.000			13.8	92.848			6.8

The F values are provided with significance level indicated by the asterisks ***P <0.001, **P <0.01, ns—not significant