

Supplementary Material S1

Tukey test results from the multiple comparisons between different treatments in petiole regeneration experiments.

Upper Petioles				
Culture media	Shoot number	Shoot length (cm)	Leaf number	Leaf length (cm)
0.01+0.50+3.00	2.05 ± 2.05	0.73 ± 0.84	2.75 ± 1.63	0.22 ± 0.16
0.01+0.50+3.50	1.82 ± 0.74	0.49 ± 0.04	3.18 ± 0.52	0.22 ± 0.12
0.01+0.50+4.00	1.60 ± 1.56	0.24 ± 0.16	1.55 ± 1.06	0.16 ± 0.05
0.01+0.50+4.50	1.75 ± 1.77	0.44 ± 0.22	2.45 ± 1.63	0.14 ± 0.05
0.01+0.50+5.00	1.25 ± 0.49	0.36 ± 0.24	1.19 ± 0.22	0.14 ± 0.01
0.01+1.00+3.00	4.90 ± 5.94	2.64 ± 3.49	8.40 ± 10.9	0.30 ± 0.30
0.01+1.00+3.50	2.85 ± 3.61	0.54 ± 0.65	4.35 ± 5.44	0.24 ± 0.29
0.01+1.00+4.00	2.10 ± 1.98	0.66 ± 0.50	4.50 ± 3.25	0.26 ± 0.18
0.01+1.00+4.50	0.50 ± 0.71	0.05 ± 0.07	1.25 ± 0.21	0.10 ± 0.06
0.01+1.00+5.00	1.55 ± 0.78	0.42 ± 0.02	2.75 ± 1.39	0.22 ± 0.03
0.02+0.50+3.00	1.25 ± 1.34	0.98 ± 1.24	2.85 ± 3.61	0.25 ± 0.32
0.02+0.50+3.50	1.65 ± 1.63	0.52 ± 0.48	5.15 ± 6.01	0.30 ± 0.27
0.02+0.50+4.00	2.20 ± 2.40	0.55 ± 0.52	7.23 ± 9.09	0.36 ± 0.32
0.02+0.50+4.50	3.35 ± 3.61	0.44 ± 0.37	6.10 ± 6.36	0.24 ± 0.14
0.02+0.50+5.00	1.70 ± 1.84	0.29 ± 0.30	3.53 ± 4.14	0.22 ± 0.25
0.02+1.00+3.00	3.65 ± 4.74	0.62 ± 2.51	8.20 ± 10.8	0.23 ± 0.26
0.02+1.00+3.50	5.10 ± 6.65	0.59 ± 0.70	13.20 ± 17.3	0.33 ± 0.39
0.02+1.00+4.00	2.65 ± 3.46	0.35 ± 0.30	7.65 ± 9.26	0.23 ± 0.22
0.02+1.00+4.50	5.05 ± 6.29	0.92 ± 0.49	11.00 ± 11.7	0.44 ± 0.23
0.02+1.00+5.00	2.30 ± 1.70	0.68 ± 0.18	5.36 ± 4.55	0.37 ± 0.13
0.03+0.50+3.00	2.65 ± 2.65	1.21 ± 1.60	6.85 ± 8.56	0.22 ± 0.27
0.03+0.50+3.50	1.37 ± 1.94	0.43 ± 0.60	4.55 ± 6.43	0.15 ± 0.21
0.03+0.50+4.00	1.70 ± 2.40	0.18 ± 0.26	3.90 ± 5.52	0.20 ± 0.28
0.03+0.50+4.50	3.15 ± 4.31	0.65 ± 0.84	6.80 ± 9.19	0.27 ± 0.34
0.03+0.50+5.00	1.65 ± 1.77	0.58 ± 0.12	3.14 ± 3.28	0.26 ± 0.17
0.03+1.00+3.00	1.80 ± 2.55	1.04 ± 1.47	4.35 ± 6.15	0.14 ± 0.20
0.03+1.00+3.50	1.85 ± 2.62	0.18 ± 0.25	4.50 ± 6.36	0.15 ± 0.21
0.03+1.00+4.00	1.55 ± 1.63	0.48 ± 0.68	2.25 ± 3.18	0.17 ± 0.23
0.03+1.00+4.50	0.85 ± 1.20	0.25 ± 0.35	3.30 ± 4.67	0.12 ± 0.17
0.03+1.00+5.00	1.55 ± 2.19	0.48 ± 0.67	3.10 ± 4.38	0.19 ± 0.27
Lower Petioles				
Culture media	Shoot number	Shoot length (cm)	Leaf number	Leaf length (cm)
0.01+0.50+3.00	1.91 ± 1.19	0.39 ± 0.14	3.03 ± 0.04	0.18 ± 0.06
0.01+0.50+3.50	1.55 ± 1.91	0.24 ± 0.30	1.20 ± 1.13	0.16 ± 0.12
0.01+0.50+4.00	1.55 ± 0.78	0.27 ± 0.11	1.40 ± 1.56	0.35 ± 0.46
0.01+0.50+4.50	0.95 ± 0.49	0.14 ± 0.02	0.60 ± 0.28	0.04 ± 0.03
0.01+0.50+5.00	0.95 ± 0.21	0.15 ± 0.06	1.10 ± 0.99	0.08 ± 0.10
0.01+1.00+3.00	4.65 ± 5.44	0.48 ± 0.45	7.65 ± 9.26	0.28 ± 0.27
0.01+1.00+3.50	2.20 ± 2.55	0.61 ± 0.78	5.25 ± 6.29	0.61 ± 0.85
0.01+1.00+4.00	1.35 ± 1.63	0.22 ± 0.27	2.60 ± 3.11	0.13 ± 0.16
0.01+1.00+4.50	0.05 ± 0.07	0.09 ± 0.08	0.60 ± 0.42	0.03 ± 0.01

0.01+1.00+5.00	0.80 ± 0.28	0.39 ± 0.13	1.95 ± 0.07	0.18 ± 0.10
0.02+0.50+3.00	1.44 ± 1.33	0.61 ± 0.45	5.10 ± 5.23	0.29 ± 0.22
0.02+0.50+3.50	3.00 ± 3.11	0.63 ± 0.60	7.60 ± 8.63	0.59 ± 0.66
0.02+0.50+4.00	1.70 ± 1.84	0.36 ± 0.40	3.30 ± 4.10	0.25 ± 0.33
0.02+0.50+4.50	1.95 ± 2.76	0.26 ± 0.37	2.45 ± 3.46	0.20 ± 0.29
0.02+0.50+5.00	0.60 ± 0.85	0.12 ± 0.17	0.95 ± 1.34	0.16 ± 0.22
0.02+1.00+3.00	4.53 ± 5.98	0.56 ± 0.69	9.50 ± 16.1	0.30 ± 0.38
0.02+1.00+3.50	3.50 ± 4.53	0.48 ± 0.50	8.75 ± 11.2	0.95 ± 1.24
0.02+1.00+4.00	3.25 ± 3.89	0.52 ± 0.52	8.95 ± 11.2	0.40 ± 0.20
0.02+1.00+4.50	2.45 ± 2.47	0.29 ± 0.11	4.55 ± 4.88	0.25 ± 0.16
0.02+1.00+5.00	2.25 ± 1.91	0.66 ± 0.04	7.15 ± 5.30	0.42 ± 0.14
0.03+0.50+3.00	2.38 ± 3.36	0.20 ± 0.28	5.25 ± 7.42	0.15 ± 0.21
0.03+0.50+3.50	0.90 ± 1.27	0.15 ± 0.21	3.45 ± 4.88	0.49 ± 0.69
0.03+0.50+4.00	2.20 ± 3.11	0.42 ± 0.59	6.00 ± 8.49	0.20 ± 0.29
0.03+0.50+4.50	2.10 ± 2.69	0.21 ± 0.13	4.75 ± 6.15	0.17 ± 0.12
0.03+0.50+5.00	0.50 ± 0.71	0.05 ± 0.07	0.45 ± 3.50	0.05 ± 0.06
0.03+1.00+3.00	1.31 ± 1.86	0.32 ± 0.45	3.50 ± 4.95	0.12 ± 0.17
0.03+1.00+3.50	1.15 ± 1.63	0.22 ± 0.31	3.25 ± 4.60	0.38 ± 0.54
0.03+1.00+4.00	0.75 ± 1.06	0.08 ± 0.12	1.55 ± 2.19	0.05 ± 0.07
0.03+1.00+4.50	1.40 ± 1.98	0.26 ± 0.37	4.40 ± 6.22	0.12 ± 0.17
0.03+1.00+5.00	0	0	0	0

* Plant growth regulator combinations presented in the following order: NAA, GA₃, BAP (all concentrations in mg l⁻¹)