

Table S1. Ranges (mM and mg L⁻¹) and meaning of the levels (Low, Mid, and High) after the fuzzification process by neurofuzzy logic software.

	2 levels			3 levels				4 levels				
	Low		High	Low	Mid		High	Low_1	Mid_2	Mid_3		High_4
NH ₄ ⁺ (mM)	4.12	12.37	20.61	4.12	8.25	16.49	20.61	0.75	2.81	5.89	7.95	8.98
NO ₃ ⁻ (mM)	6.00	22.71	39.41	6.00	14.35	31.06	39.41					
K ⁺ (mM)	2.19	12.37	22.55	2.19	7.28	17.46	22.55					
Ca ²⁺ (mM)												
Mg ²⁺ (mM)	0.38	2.44	4.50									
PO ₄ ³⁻ (mM)								0.31	0.74	1.60	2.89	3.75
SO ₄ ²⁻ (mM)	0.49	2.85	5.20	0.49	1.67	4.02	5.20					
Fe ²⁺ /EDTA (mM)	0.10	0.30	0.50	0.10	0.20	0.40	0.50					
BO ₃ ⁻ (mM)				0.01	0.05	0.12	0.15					
MoO ₄ ²⁻ (mM)				0.0001	0.0005	0.0012	0.0015					
Na ⁺ (mM)	0.20	0.60	1.00	0.20	0.40	0.80	1.00					
Co ²⁺ (mM)	0.00001	0.00008	0.00016	0.00001	0.00005	0.00012	0.00016					
I ⁻ (mM)	0.0005	0.0040	0.0075									
Myo (mg L ⁻¹)	0.0	500.0	1000.0									
Vit. E (mg L ⁻¹)	0.0	0.5	1.0									
GA ₃ (mg L ⁻¹)	0.00	0.50	1.00	0.00	0.25	0.75	1.00					
BAP (mg L ⁻¹)	0.50	1.50	2.50					0.50	1.00	1.75	2.25	2.50

Table S2. Design Expert®'s five-factor design including 33 model points, and MS media as controls, for the mineral nutrient and vitamin experiments; and the 20 combinations of BAP and GA₃ of the PGR experimental design. Concentrations expressed as × MS.

1	2	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
Experimental design	Treatments	NH ₄ NO ₃	KNO ₃	Mesos	Micros	Iron
	1	0.51	0.66	1.65	1.50	3.04
	2	1.00	0.66	2.59	0.10	1.00
	3	1.00	1.00	2.37	1.50	1.08
	4	0.20	0.24	3.00	0.97	1.84
	5	0.90	0.10	0.25	0.10	1.60
	6	0.20	1.00	0.94	0.10	5.00
	7	0.20	1.00	0.94	0.10	5.00
	8	0.40	1.00	0.25	1.50	1.00
	9	0.81	0.10	0.25	1.40	5.00
	10	1.00	1.00	3.00	0.39	5.00
	11	0.20	0.33	3.00	0.10	5.00
	12	0.81	0.10	0.25	1.40	5.00
Mineral	13	0.80	0.10	2.99	1.29	1.00

nutrients	14	0.40	0.10	0.25	0.10	5.00
	15	0.20	0.10	2.67	1.50	4.20
	16	1.00	0.33	0.25	1.50	1.00
	17	0.61	0.64	1.90	0.14	3.54
	18	0.20	0.76	0.25	0.10	1.00
	19	0.30	1.00	3.00	1.22	5.00
	20	1.00	0.10	2.38	0.10	4.46
	21	1.00	1.00	0.90	1.50	4.78
	22	0.20	0.76	0.25	1.50	5.00
	23	0.20	0.76	0.25	1.50	5.00
	24	1.00	1.00	0.25	0.10	3.30
	25	1.00	0.35	1.52	0.94	3.10
	26	0.20	0.76	3.00	1.50	1.00
	27	0.24	1.00	3.00	0.10	2.00
	28	0.24	1.00	3.00	0.10	2.00
	29	0.20	0.76	3.00	1.50	1.00
	30	0.32	0.10	2.34	0.10	1.00
	31	0.72	0.72	0.90	0.69	1.00
	32	0.20	0.10	0.80	1.36	1.00
	33	1.00	0.34	3.00	1.50	5.00
	MS	1.00	1.00	1.00	1.00	1.00
		Myo-inositol	Thiamine	Nicotinic acid	Pyridoxine	Vitamin E (mg L⁻¹)¹
Vitamins	1	0.00	4.00	0.00	0.00	0.00
	2	0.00	8.50	0.00	3.00	1.00
	3	0.00	0.55	8.76	3.00	1.00
	4	10	10	10	0.00	0.00
	5	10	10	0.00	1.78	1.00
	6	0.00	7.40	10	0.00	0.66
	7	10	0.00	6.00	3.00	0.00
	8	0.50	0.00	0.00	3.00	0.26
	9	5.95	0.00	10	0.00	1.00
	10	0.00	7.40	10	0.00	0.66
	11	10	10	0.00	1.78	1.00
	12	0.00	10	4.76	1.72	0.03
	13	10	7.15	0.00	1.96	0.00
	14	10	3.05	10	1.78	0.60
	15	10	3.05	10	1.78	0.60
	16	8.75	0.55	0.00	3.00	1.00
	17	3.80	6.95	10	3.00	0.00
	18	10	10	5.00	3.00	0.55
	19	5.25	3.30	5.30	0.32	0.11

	20	4.75	4.35	4.76	1.54	0.52
	21	10	10	5.00	3.00	0.55
	22	4.75	4.35	4.76	1.54	0.52
	23	0.00	10	4.30	1.06	1.00
	24	4.75	10	0.00	0.16	0.57
	25	1.82	1.70	1.82	2.86	0.95
	26	10	0.00	0.00	0.00	0.38
	27	10	7.00	3.86	0.00	1.00
	28	0.00	6.05	0.00	1.92	0.38
	29	0.00	0.00	0.56	0.82	1.00
	30	0.00	0.00	10	1.08	0.00
	31	5.15	10	10	1.68	1.00
	32	5.96	6.55	0.00	3.00	0.62
	33	4.75	4.35	4.76	1.54	0.52
	MS	1.00	1.00	1.00	1.00	–
		BAP	GA ₃	–	–	–
PGRs	1	0.00	0.00	–	–	–
	2	0.50	0.00	–	–	–
	3	1.00	0.00	–	–	–
	4	1.50	0.00	–	–	–
	5	2.00	0.00	–	–	–
	6	2.50	0.00	–	–	–
	7	0.50	0.10	–	–	–
	8	1.00	0.10	–	–	–
	9	1.50	0.10	–	–	–
	10	2.00	0.10	–	–	–
	11	2.50	0.10	–	–	–
	12	0.50	0.50	–	–	–
	13	1.00	0.50	–	–	–
	14	1.50	0.50	–	–	–
	15	2.00	0.50	–	–	–
	16	2.50	0.50	–	–	–
	17 (MS)	1.00	1.00	–	–	–
	18	1.50	1.00	–	–	–
	19	2.00	1.00	–	–	–
	20	2.50	1.00	–	–	–

¹ Vitamin E concentration levels are expressed as mg L⁻¹, as the MS medium does not contain this organic compound.

Table S3. Macro and micronutrients (expressed as ion concentrations) of the different culture media based on the five-factor experimental design (0-33) and response values of the parameters (average and standard deviation) used to characterize plant growth. Highest values have been highlighted.

Media	NH ₄ ⁺	NO ₃ ⁻	K ⁺	Ca ²⁺	Mg ²⁺	PO ₄ ³⁻	SO ₄ ²⁻	Cl ⁻	Fe ²⁺ /EDTA	BO ₃ ⁻	Mn ²⁺	Zn ²⁺	Cu ²⁺	MoO ₄ ²⁻	Na ⁺	Co ²⁺	I ⁻	SN	SL	LA	SQ	BC	H
1	10.47	22.84	14.44	4.95	2.48	2.06	2.98	9.89	0.30	0.15	0.15	0.045	0.00015	0.0015	0.61	0.00016	0.0075	2.7 ± 0.9	1.8 ± 0.5	20.6 ± 6.3	3.8 ± 0.7	4.0 ± 0.0	2.9 ± 0.5
2	20.61	33.06	15.68	7.74	3.88	3.23	4.00	15.49	0.10	0.01	0.01	0.003	0.00001	0.0001	0.20	0.00001	0.0005	2.4 ± 1.4	1.9 ± 0.5	40.7 ± 10.9	3.2 ± 1.2	4.0 ± 0.0	1.8 ± 0.9
3	20.61	39.41	21.76	7.09	3.55	2.96	3.86	14.17	0.11	0.15	0.15	0.045	0.00015	0.0015	0.22	0.00016	0.0075	1.1 ± 0.7	1.4 ± 0.3	26.1 ± 12.8	4.4 ± 0.7	4.0 ± 0.0	2.8 ± 0.5
4	4.21	8.62	8.17	8.98	4.50	3.75	4.81	17.96	0.18	0.10	0.10	0.029	0.00010	0.0010	0.37	0.00010	0.0048	3.3 ± 1.5	1.7 ± 0.4	12.0 ± 4.0	3.5 ± 0.5	4.0 ± 0.0	1.8 ± 1.0
5	18.55	20.43	2.19	0.75	0.38	0.31	0.55	1.50	0.16	0.01	0.01	0.003	0.00001	0.0001	0.32	0.00001	0.0005	2.9 ± 1.2	1.4 ± 0.2	7.1 ± 3.4	3.1 ± 0.5	4.0 ± 0.0	3.0 ± 0.0
6	4.12	22.92	19.96	2.81	1.41	1.17	1.92	5.61	0.50	0.01	0.01	0.003	0.00001	0.0001	1.00	0.00001	0.0005	0.6 ± 0.9	1.4 ± 0.4	6.8 ± 3.2	2.5 ± 0.9	4.0 ± 0.0	3.0 ± 0.0
7	4.12	22.92	19.96	2.81	1.41	1.17	1.92	5.61	0.50	0.01	0.01	0.003	0.00001	0.0001	1.00	0.00001	0.0005	0.3 ± 0.8	1.3 ± 0.4	7.8 ± 4.4	2.2 ± 0.9	4.0 ± 0.0	3.0 ± 0.0
8	8.25	27.04	19.11	0.75	0.38	0.31	0.67	1.50	0.10	0.15	0.15	0.045	0.00015	0.0015	0.20	0.00016	0.0075	3.4 ± 1.6	1.3 ± 0.2	8.7 ± 3.9	2.8 ± 0.5	3.5 ± 0.5	2.9 ± 0.3
9	16.73	18.61	2.20	0.75	0.38	0.31	1.06	1.50	0.50	0.14	0.14	0.042	0.00014	0.0014	1.00	0.00015	0.0070	0.3 ± 0.6	1.1 ± 0.1	3.1 ± 1.7	1.7 ± 0.5	4.0 ± 0.0	3.0 ± 0.0
10	20.61	39.41	22.54	8.98	4.50	3.75	5.05	17.96	0.50	0.04	0.04	0.012	0.00004	0.0004	1.00	0.00004	0.0019	0.3 ± 0.5	1.3 ± 0.4	9.2 ± 3.6	2.3 ± 1.0	4.0 ± 0.0	2.2 ± 1.0
11	4.21	10.31	9.86	8.98	4.50	3.75	5.02	17.96	0.50	0.01	0.01	0.003	0.00001	0.0001	1.00	0.00001	0.0005	1.0 ± 0.9	1.3 ± 0.2	6.0 ± 2.1	1.7 ± 0.7	4.0 ± 0.0	1.9 ± 1.0
12	16.73	18.61	2.20	0.75	0.38	0.31	1.06	1.50	0.50	0.14	0.14	0.042	0.00014	0.0014	1.00	0.00015	0.0070	0.4 ± 0.7	1.2 ± 0.2	3.8 ± 1.2	1.5 ± 0.5	3.1 ± 0.2	3.0 ± 0.0
13	16.57	18.45	5.62	8.94	4.48	3.73	4.75	17.88	0.10	0.13	0.13	0.039	0.00013	0.0013	0.20	0.00014	0.0064	2.6 ± 1.0	1.7 ± 0.4	17.0 ± 5.5	3.6 ± 0.7	4.0 ± 0.0	1.9 ± 0.7
14	8.16	10.04	2.19	0.75	0.38	0.31	0.89	1.50	0.50	0.01	0.01	0.003	0.00001	0.0001	1.00	0.00001	0.0005	0.1 ± 0.3					
15	4.12	6.00	5.22	7.99	4.01	3.34	4.62	15.98	0.42	0.15	0.15	0.045	0.00015	0.0015	0.84	0.00016	0.0075	0.3 ± 0.5	1.2 ± 0.0	4.1 ± 1.8	1.3 ± 0.6	4.0 ± 0.0	2.9 ± 0.3
16	20.61	26.89	6.60	0.75	0.38	0.31	0.67	1.50	0.10	0.15	0.15	0.045	0.00015	0.0015	0.20	0.00016	0.0075	2.9 ± 1.4	1.8 ± 0.4	14.0 ± 3.4	3.1 ± 0.6	3.9 ± 0.2	2.6 ± 0.7
17	12.66	24.76	14.47	5.69	2.85	2.37	3.23	11.37	0.35	0.01	0.01	0.004	0.00001	0.0001	0.71	0.00001	0.0007	0.3 ± 0.6	1.3 ± 0.2	8.7 ± 2.3	2.3 ± 0.9	4.0 ± 0.0	3.0 ± 0.0
18	4.12	18.35	14.54	0.75	0.38	0.31	0.49	1.50	0.10	0.01	0.01	0.003	0.00001	0.0001	0.20	0.00001	0.0005	2.7 ± 0.8	1.6 ± 0.3	8.8 ± 2.8	2.9 ± 0.5	2.0 ± 0.0	2.9 ± 0.3
19	6.26	25.05	22.55	8.98	4.50	3.75	5.16	17.96	0.50	0.12	0.12	0.036	0.00012	0.0013	1.00	0.00013	0.0061	0.8 ± 0.9	1.6 ± 0.4	14.5 ± 6.4	3.4 ± 1.0	4.0 ± 0.0	2.7 ± 0.8
20	20.61	22.49	4.85	7.13	3.57	2.97	4.03	14.25	0.45	0.01	0.01	0.003	0.00001	0.0001	0.89	0.00001	0.0005	0.2 ± 0.4	1.5 ± 0.3	6.1 ± 3.7	2.1 ± 0.7	4.0 ± 0.0	2.9 ± 0.3
21	20.61	39.41	19.92	2.68	1.35	1.12	2.02	5.37	0.48	0.15	0.150	0.045	0.00015	0.0015	0.96	0.00016	0.0075	0.0 ± 0.0					
22	4.12	18.35	14.55	0.75	0.38	0.31	1.07	1.50	0.50	0.15	0.15	0.045	0.00015	0.0015	1.00	0.00016	0.0075	1.4 ± 0.7	1.2 ± 0.2	4.1 ± 1.4	1.7 ± 0.5	1.0 ± 0.0	3.0 ± 0.0
23	4.12	18.35	14.55	0.75	0.38	0.31	1.07	1.50	0.50	0.15	0.15	0.045	0.00015	0.0015	1.00	0.00016	0.0075	0.9 ± 1.0	1.1 ± 0.1	4.0 ± 1.6	1.7 ± 0.5	1.2 ± 0.7	3.0 ± 0.0
24	20.61	39.41	19.11	0.75	0.38	0.31	0.72	1.50	0.33	0.01	0.01	0.003	0.00001	0.0001	0.66	0.00001	0.0005	1.2 ± 0.9	1.5 ± 0.4	4.7 ± 2.0	1.9 ± 0.8	4.0 ± 0.0	2.6 ± 0.9
25	20.61	27.14	8.43	4.53	2.27	1.89	2.71	9.07	0.31	0.09	0.09	0.028	0.00009	0.0010	0.62	0.00010	0.0047	1.9 ± 0.6	1.8 ± 0.4	16.2 ± 5.3	3.7 ± 0.7	4.0 ± 0.0	2.9 ± 0.5
26	4.12	18.43	18.07	8.98	4.50	3.75	4.80	17.96	0.10	0.15	0.15	0.045	0.00015	0.0015	0.20	0.00016	0.0075	0.7 ± 0.8	1.9 ± 0.9	21.7 ± 10.3	4.2 ± 0.8	3.6 ± 0.5	2.8 ± 0.4
27	4.95	23.74	22.54	8.98	4.50	3.75	4.72	17.96	0.20	0.01	0.01	0.003	0.00001	0.0001	0.40	0.00001	0.0005	2.1 ± 1.2	1.7 ± 0.4	28.5 ± 8.5	3.9 ± 0.9	4.0 ± 0.0	1.4 ± 0.7
28	4.95	23.74	22.54	8.98	4.50	3.75	4.72	17.96	0.20	0.01	0.01	0.003	0.00001	0.0001	0.40	0.00001	0.0005	1.8 ± 1.1	2.0 ± 0.6	29.9 ± 13.8	4.1 ± 0.8	4.0 ± 0.0	1.8 ± 0.7
29	4.12	18.43	18.07	8.98	4.50	3.75	4.80	17.96	0.10	0.15	0.15	0.045	0.00015	0.0015	0.20	0.00016	0.0075	1.0 ± 1.0	1.8 ± 0.6	18.9 ± 9.3	3.5 ± 1.2	3.7 ± 0.5	2.4 ± 0.8
30	6.51	8.39	4.80	7.00	3.51	2.92	3.63	14.01	0.10	0.01	0.01	0.003	0.00001	0.0001	0.20	0.00001	0.0005	2.1 ± 1.4	1.5 ± 0.3	9.3 ± 3.9	1.4 ± 0.5	4.0 ± 0.0	1.0 ± 0.0
31	14.92	28.46	14.67	2.68	1.35	1.12	1.54	5.36	0.10	0.07	0.07	0.021	0.00007	0.0007	0.20	0.00007	0.0034	2.1 ± 1.0	2.1 ± 0.7	28.3 ± 9.3	4.7 ± 0.5	4.0 ± 0.0	2.7 ± 0.5
32	4.12	6.00	2.89	2.39	1.20	1.00	1.48	4.79	0.10	0.14	0.14	0.041	0.00014	0.0014	0.20	0.00014	0.0068	1.3 ± 1.1	1.3 ± 0.3	5.7 ± 2.9	2.4 ± 0.8	4.0 ± 0.0	2.9 ± 0.3
33	20.61	26.98	10.12	8.98	4.50	3.75	5.20	17.96	0.50	0.15	0.15	0.045	0.00015	0.0015	1.00	0.00016	0.0075	0.6 ± 1.0	1.6 ± 0.4	10.4 ± 5.5	2.6 ± 0.8	4.0 ± 0.0	2.4 ± 0.9
MS	20.61	39.41	20.05	2.99	1.50	1.25	1.73	5.99	0.10	0.10	0.10	0.030	0.00010	0.0010	0.20	0.00011	0.0050	1.9 ± 1.1	1.6 ± 0.3	28.7 ± 9.3	4.1 ± 0.4	4.0 ± 0.0	2.6 ± 0.6

Table S4. Vitamin concentration of the different culture media based on the five-factor experimental design (0-33) and response values of the parameters (average and standard deviation) used to characterize plant growth. Highest values have been highlighted.

Media	Myo	Thia	Nic	Pyr	VitE	Gly	SN	SL	LA	SQ	BC	H
1	0	4.00	0.00	0.00	0.00	2.0	1.7 ± 0.7	1.4 ± 0.2	20.5 ± 6.2	3.8 ± 0.7	4.0 ± 0.0	2.9 ± 0.5
2	0	8.50	0.00	1.50	1.00	2.0	2.3 ± 0.7	1.6 ± 0.3	25.5 ± 5.2	3.9 ± 0.4	4.0 ± 0.0	2.9 ± 0.4
3	0	0.55	4.38	1.50	1.00	2.0	2.4 ± 1.5	1.5 ± 0.4	26.3 ± 6.9	3.9 ± 0.3	4.0 ± 0.0	2.6 ± 0.6
4	1000	10.00	5.00	0.00	0.00	2.0	1.4 ± 0.8	1.4 ± 0.2	19.5 ± 7.7	3.7 ± 0.6	4.0 ± 0.0	2.8 ± 0.6
5	1000	10.00	0.00	0.89	1.00	2.0	2.1 ± 1.2	1.8 ± 0.4	27.7 ± 5.7	4.3 ± 0.5	4.0 ± 0.0	2.8 ± 0.4
6	0	7.40	5.00	0.00	0.66	2.0	2.1 ± 1.2	1.7 ± 0.3	23.1 ± 7.5	4.3 ± 0.8	4.0 ± 0.0	2.6 ± 0.7
7	1000	0.00	3.00	1.50	0.00	2.0	1.9 ± 1.1	1.5 ± 0.3	17.2 ± 5.9	3.7 ± 0.6	4.0 ± 0.0	2.7 ± 0.7
8	50	0.00	0.00	1.50	0.26	2.0	1.8 ± 0.7	1.7 ± 0.4	21.8 ± 4.8	4.3 ± 0.5	4.0 ± 0.0	2.9 ± 0.3
9	595	0.00	5.00	0.00	1.00	2.0	1.9 ± 0.7	1.4 ± 0.3	19.6 ± 3.7	4.0 ± 0.8	4.0 ± 0.0	2.7 ± 0.7
10	0	7.40	5.00	0.00	0.66	2.0	2.1 ± 0.9	1.6 ± 0.4	26.2 ± 6.5	4.0 ± 0.9	4.0 ± 0.0	2.7 ± 0.7
11	1000	10.00	0.00	0.89	1.00	2.0	1.9 ± 1.1	1.4 ± 0.2	24.3 ± 6.6	4.3 ± 0.6	4.0 ± 0.0	2.8 ± 0.4
12	0	10.00	2.38	0.86	0.03	2.0	1.5 ± 0.9	1.6 ± 0.2	18.8 ± 6.7	3.6 ± 0.8	4.0 ± 0.0	2.5 ± 0.8
13	1000	7.15	0.00	0.98	0.00	2.0	2.2 ± 1.0	1.6 ± 0.4	27.3 ± 12	4.0 ± 0.8	4.0 ± 0.0	2.5 ± 0.8
14	1000	3.05	5.00	0.89	0.60	2.0	2.0 ± 0.8	1.6 ± 0.4	26.1 ± 5.4	4.5 ± 0.6	4.0 ± 0.0	2.8 ± 0.6
15	1000	3.05	5.00	0.89	0.60	2.0	2.1 ± 1.0	1.6 ± 0.4	22.1 ± 5.5	4.2 ± 0.4	4.0 ± 0.0	2.9 ± 0.5
16	875	0.55	0.00	1.50	1.00	2.0	2.1 ± 1.0	1.4 ± 0.3	26.3 ± 6.4	4.1 ± 0.6	4.0 ± 0.0	2.7 ± 0.6
17	380	6.95	5.00	1.50	0.00	2.0	1.6 ± 0.7	1.6 ± 0.4	20.5 ± 4.8	4.1 ± 0.5	4.0 ± 0.0	2.7 ± 0.7
18	1000	10.00	2.50	1.50	0.55	2.0	2.0 ± 1.1	1.5 ± 0.3	24.4 ± 7.1	4.1 ± 1.1	4.0 ± 0.0	2.6 ± 0.8
19	525	3.30	2.65	0.16	0.11	2.0	1.9 ± 0.8	1.6 ± 0.4	26.7 ± 6.5	4.2 ± 0.8	4.0 ± 0.0	2.5 ± 0.8
20	475	4.35	2.38	0.77	0.52	2.0	2.2 ± 0.9	1.4 ± 0.3	26.1 ± 3.8	4.5 ± 0.5	4.0 ± 0.0	2.9 ± 0.4
21	1000	10.00	2.50	1.50	0.55	2.0	2.0 ± 1.0	1.3 ± 0.2	25.4 ± 7.8	4.2 ± 0.6	4.0 ± 0.0	2.9 ± 0.3
22	475	4.35	2.38	0.77	0.52	2.0	1.8 ± 0.9	1.4 ± 0.2	24.9 ± 7.1	4.5 ± 0.5	4.0 ± 0.0	2.9 ± 0.3
23	0	10.00	2.15	0.53	1.00	2.0	1.5 ± 1.0	1.3 ± 0.2	15.9 ± 5.4	3.8 ± 0.7	4.0 ± 0.0	3.0 ± 0.0
24	475	10.00	0.00	0.08	0.57	2.0	1.8 ± 1.3	1.6 ± 0.5	16.6 ± 7.2	3.9 ± 1.1	4.0 ± 0.0	2.7 ± 0.7
25	182	1.70	0.91	1.43	0.95	2.0	1.7 ± 1.2	1.6 ± 0.3	15.4 ± 7.1	3.9 ± 1.0	4.0 ± 0.0	2.9 ± 0.5
26	1000	0.00	0.00	0.00	0.38	2.0	1.3 ± 0.9	1.4 ± 0.4	14.2 ± 6.0	3.7 ± 1.0	4.0 ± 0.0	2.7 ± 0.7
27	1000	7.00	1.93	0.00	1.00	2.0	1.2 ± 1.1	1.4 ± 0.2	14.8 ± 6.3	3.8 ± 0.8	4.0 ± 0.0	2.9 ± 0.4
28	0	6.05	0.00	0.96	0.38	2.0	2.2 ± 1.2	1.6 ± 0.3	20.7 ± 8.2	4.3 ± 0.9	4.0 ± 0.0	3.0 ± 0.0
29	0	0.00	0.28	0.41	1.00	2.0	1.9 ± 1.2	1.4 ± 0.2	21.4 ± 6.0	4.4 ± 0.5	4.0 ± 0.0	3.0 ± 0.0
30	0	0.00	5.00	0.54	0.00	2.0	1.5 ± 1.0	1.6 ± 0.3	22.1 ± 7.5	4.5 ± 0.8	4.0 ± 0.0	2.9 ± 0.3
31	515	10.00	5.00	0.84	1.00	2.0	1.7 ± 0.9	1.4 ± 0.3	22.0 ± 5.2	4.5 ± 0.5	4.0 ± 0.0	3.0 ± 0.0
32	596	6.55	0.00	1.50	0.62	2.0	1.4 ± 0.9	1.3 ± 0.3	20.9 ± 6.2	4.0 ± 0.5	4.0 ± 0.0	2.9 ± 0.3
33	475	4.35	2.38	0.77	0.52	2.0	1.7 ± 1.0	1.5 ± 0.4	25.3 ± 10.7	4.0 ± 0.5	4.0 ± 0.0	2.7 ± 0.7
MS	100	0.10	0.50	0.50	0.00	2.0	1.8 ± 1.0	1.6 ± 0.4	22.1 ± 8.0	4.1 ± 0.7	4.0 ± 0.0	2.9 ± 0.4

Table S5. PGRs combinations of the different culture media and response values of the parameters (average and standard deviation) used to characterize plant growth. Highest values have been highlighted.

Media	GA3	BAP	SN	SL	LA	SQ	BC	H
H1	0.00	0.00	0.0 ± 0.0					
H2	0.00	0.50	0.8 ± 0.8	1.5 ± 0.6	32.4 ± 13.1	3.9 ± 0.8	4.0 ± 0.0	2.8 ± 0.6
H3	0.00	1.00	0.8 ± 1.1	1.6 ± 0.3	32.6 ± 16.3	3.3 ± 1.0	4.0 ± 0.0	2.7 ± 0.7
H4	0.00	1.50	1.8 ± 1.0	1.6 ± 0.9	33.6 ± 12.0	3.8 ± 0.6	4.0 ± 0.0	2.9 ± 0.3
H5	0.00	2.00	1.3 ± 0.5	1.3 ± 0.3	34.7 ± 7.0	4.0 ± 0.7	4.0 ± 0.0	2.8 ± 0.6
H6	0.00	2.50	1.3 ± 1.1	1.5 ± 0.3	28.8 ± 10.1	3.5 ± 0.7	4.0 ± 0.0	2.5 ± 0.8
H7	0.10	0.50	1.3 ± 1.1	2.1 ± 0.9	31.5 ± 7.1	3.9 ± 0.5	4.0 ± 0.0	2.7 ± 0.8
H8	0.10	1.00	0.9 ± 1.3	1.4 ± 0.3	31.5 ± 8.0	3.8 ± 0.4	4.0 ± 0.0	2.9 ± 0.3
H9	0.10	1.50	0.9 ± 1.1	1.4 ± 0.1	27.2 ± 9.3	3.3 ± 0.7	4.0 ± 0.0	2.7 ± 0.7
H10	0.10	2.00	1.5 ± 1.1	1.6 ± 0.4	30.3 ± 9.1	3.8 ± 0.6	4.0 ± 0.0	2.5 ± 0.8
H11	0.10	2.50	1.1 ± 1.1	1.2 ± 0.3	24.3 ± 6.6	3.4 ± 0.7	4.0 ± 0.0	2.3 ± 1.0
H12	0.50	0.50	0.7 ± 0.9	1.5 ± 0.3	30.3 ± 9.7	3.9 ± 0.9	4.0 ± 0.0	2.7 ± 0.7
H13	0.50	1.00	1.0 ± 1.0	1.7 ± 0.3	26.5 ± 10.7	3.5 ± 1.2	4.0 ± 0.0	2.5 ± 0.9
H14	0.50	1.50	1.2 ± 1.0	1.8 ± 0.5	27.0 ± 5.3	4.3 ± 0.6	4.0 ± 0.0	2.8 ± 0.6
H15	0.50	2.00	0.8 ± 0.9	1.4 ± 0.1	28.9 ± 4.3	3.9 ± 0.3	4.0 ± 0.0	3.0 ± 0.0
H16	0.50	2.50	1.3 ± 0.9	1.7 ± 0.4	25.3 ± 5.1	3.7 ± 0.9	4.0 ± 0.0	2.5 ± 0.9
H17 (MS)	1.00	1.00	1.5 ± 1.2	2.0 ± 0.6	24.0 ± 5.1	3.8 ± 0.8	4.0 ± 0.0	2.8 ± 0.6
H18	1.00	1.50	1.8 ± 1.4	2.3 ± 0.7	19.6 ± 3.7	3.4 ± 1.1	4.0 ± 0.0	2.4 ± 0.9
H19	1.00	2.00	1.5 ± 1.5	1.7 ± 0.3	22.9 ± 7.0	3.7 ± 0.6	4.0 ± 0.0	2.6 ± 0.7
H20	1.00	2.50	2.7 ± 2.4	1.8 ± 0.5	21.3 ± 7.2	3.3 ± 0.8	4.0 ± 0.0	2.4 ± 0.9