

Table 1. Significance of 2, 4-D on the embryogenic products of the embryogenic lines.

Phase 2 of somatic embryogenesis.

Level	Dependent variable	Statistical parameters					
		gl	SC	CM	H <sub>(N=48)</sub>	F	P
Explant	Yellow callus	3	45599.8	15199.9		12.358	0.0001
	Brown callus	3	46649.8	15549.9		13.077	0.0001
	oSE	3			4.523		0.210
	scSE	3			3.849		0.278
Medium	Yellow callus	3	4941.61	1647.2		1.076	0.369
	Brown callus	3			3.000		0.391
	oSE	3			3.562		0.312
	scSE	3			6.127		0.105
	Suspended cells	3	36018.7	12006.2		6.441	0.001

Table 2. Significance of the conditions of extreme light on the embryogenic products of the embryogenic lines. Phase 3 of somatic embryogenesis.

Level	Dependent variable	Source of variation	Statistical parameters						
			gl	SC	CM	H <sub>(N=39)</sub>	F	P	
Explant	Yellow callus	Light/Darkness	1	5279.46	5279.46		4.046	0.053	
		Embryogenic line	3	31130.16	10376.72		7.953	0.000	
		Interaction	3	1885.71	628.57		0.481	0.697	
	Brown callus	Light/Darkness	1	242.44	242.44		0.187	0.667	
		Embryogenic line	3	40177.22	13392.41		10.379	0.000	
		Interaction	3	965.04	321.68		0.249	0.861	
	oSE	Light/Darkness	1			0.650		0.420	
		Embryogenic line	3			2.388		0.495	
	scSE	Embryogenic line	3			4.385		0.222	
		Light/Darkness	1			3.328		0.068	
	Medium	Yellow callus	Light/Darkness	1	15.15	15.15		0.010	0.919
			Embryogenic line	3	26385.71	8795.24		5.963	0.002
Interaction			3	6766.67	2255.56		1.529	0.226	
Brown callus		Light/Darkness	1			1.154		0.282	
		Embryogenic line	3			3.866		0.276	
White callus		Light/Darkness	1			3.002		0.083	
		Embryogenic line	3			4.132		0.247	
oSE		Light/Darkness	1			1.140		0.285	
		Embryogenic line	3			2.245		0.523	
scSE		Light/Darkness	1			1.951		0.162	
		Embryogenic line	3			6.846		0.076	
Suspended Cells		Light/Darkness	1	2181.8	2181.8		3.381	0.075	
		Embryogenic line	3	61542.9	20514.3		31.797	0.000	
		Interaction	3	2685.7	895.2		1.387	0.264	

SE=somatic embryo. Interaction=L/D x embryogenic line.