

**Table S2.** The results of two-way ANOVA for the influence of carbohydrate type (sucrose or sorbitol) and their concentrations on in vitro growth and flowering of shoots of *G. lutescens*. The bold values indicate statistically significant differences ( $p \leq 0.05$ ).

Source	Sum of Squares	df	Mean Square	F-Ratio	p-Value
<b>Fresh weight, mg</b>					
(A) carbohydrate type	3074	1	3074	0.102	0.750739
(B) concentration	7471486	4	1867872	61.730	<b>0.000000</b>
A x B	359189	4	89797	2.968	<b>0.024209</b>
Error	2481220	82	30259		
<b>Dry weight, mg</b>					
(A) carbohydrate type	31	1	31	0.023	0.878964
(B) concentration	15695	4	3924	2.994	<b>0.023273</b>
A x B	5327	4	1332	1.016	0.403927
Error					
<b>Growth index</b>					
(A) carbohydrate type	0.1364	1	0.1364	0.687	0.409736
(B) concentration	49.3714	4	12.3429	62.145	<b>0.000000</b>
A x B	1.7203	4	0.4301	2.165	0.080115
Error	16.2864	82	0.1986		
<b>Dry matter, %</b>					
(A) carbohydrate type	16.19	1	16.19	7.10	<b>0.009299</b>
(B) concentration	1998.38	4	499.60	219.03	<b>0.000000</b>
A x B	64.24	4	16.06	7.04	<b>0.000063</b>
Error	187.04	82	2.28		
<b>Flowering</b>					
(A) carbohydrate type	17.60000	1	17.60000	35.37255	<b>0.000000</b>
(B) concentration	7.74417	4	1.93604	3.89107	<b>0.006065</b>
A x B	7.74417	4	1.93604	3.89107	<b>0.006065</b>
Error					