

## New Phytologist Supporting Information Table S1

Article title: Herbivory-induced jasmonates constrain plant sugar accumulation and growth by antagonizing gibberellin signaling and not by promoting secondary metabolite production

Ricardo A.R. Machado, Ian T. Baldwin and Matthias Erb

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**Table S1.** *P*-values of Holm–Sidak multiple comparisons of carbohydrates and growth between different *Nicotiana attenuata* genotypes within treatments (data shown in Fig. 2). Statistically significant values ( $p < 0.05$ ) are shown in bold.

Pairwise comparisons		Within controls					Within MeJA				
Genotype 1	vs Genotype 2	Glucose	Fructose	Sucrose	Starch	Growth	Glucose	Fructose	Sucrose	Starch	Growth
EV	irPI	0.897	0.840	0.989	0.972	0.936	0.979	0.951	0.243	0.997	1.000
EV	irPMT	0.648	0.156	<b>0.005</b>	0.534	0.987	1.000	0.985	0.984	0.928	0.999
EV	irGGPPS	0.161	0.413	0.999	0.537	0.997	1.000	0.924	<b>&lt;0.001</b>	0.260	0.999
EV	irMYB8	0.825	0.935	0.972	0.887	0.868	0.918	0.997	0.964	0.770	0.966
EV	irPI/PMT	0.436	0.450	<b>0.003</b>	0.500	0.924	1.000	0.995	0.993	0.999	1.000
EV	irPI/PMT*irGGPPS	0.905	0.827	0.981	0.959	0.999	1.000	1.000	0.406	0.519	0.999
EV	irPI/PMT*irMYB8	0.911	0.940	0.656	0.994	0.977	1.000	0.999	0.996	0.952	0.968
irPI	irPMT	<b>0.038</b>	<b>0.001</b>	<b>0.009</b>	0.550	0.181	1.000	0.958	<b>0.047</b>	0.527	0.998
irPI	irGGPPS	0.815	0.942	0.985	0.342	0.846	1.000	0.851	0.154	0.428	0.998
irPI	irMYB8	0.990	0.801	1.000	0.732	<b>0.040</b>	1.000	0.987	0.808	0.936	0.806
irPI	irPI/PMT	<b>0.017</b>	<b>0.009</b>	<b>0.005</b>	0.538	<b>0.047</b>	1.000	0.986	<b>0.047</b>	0.972	0.999
irPI	irPI/PMT*irGGPPS	0.970	0.922	0.998	0.925	0.747	1.000	1.000	0.843	0.691	0.975
irPI	irPI/PMT*irMYB8	0.252	0.131	0.862	0.983	0.122	1.000	0.998	0.252	0.995	0.820
irPMT	irGGPPS	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.001</b>	0.990	0.728	<b>0.046</b>	<b>&lt;0.001</b>	<b>0.001</b>	0.997
irPMT	irMYB8	<b>0.022</b>	<b>0.007</b>	<b>0.016</b>	<b>0.018</b>	0.996	1.000	0.947	0.82	<b>0.045</b>	0.998
irPMT	irPI/PMT	0.940	0.904	0.978	0.945	0.998	0.999	1.000	0.975	0.579	1.000
irPMT	irPI/PMT*irGGPPS	<b>0.035</b>	<b>0.024</b>	<b>0.032</b>	<b>0.043</b>	0.996	0.997	0.885	0.123	<b>0.008</b>	0.999
irPMT	irPI/PMT*irMYB8	0.933	0.763	0.372	0.304	0.982	1.000	0.999	0.975	0.738	0.998
irGGPPS	irMYB8	0.886	0.935	0.985	0.995	0.899	1.000	0.941	<b>0.004</b>	0.984	0.818
irGGPPS	irPI/PMT	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.001</b>	0.927	0.924	0.136	<b>&lt;0.001</b>	0.517	0.997
irGGPPS	irPI/PMT*irGGPPS	0.811	0.697	0.871	0.942	0.874	0.952	0.971	0.145	0.985	0.980
irGGPPS	irPI/PMT*irMYB8	<b>0.005</b>	<b>0.017</b>	0.251	0.588	0.987	1.000	0.259	<b>&lt;0.001</b>	0.227	0.831
irMYB8	irPI/PMT	<b>0.010</b>	<b>0.034</b>	<b>0.010</b>	<b>0.016</b>	0.998	1.000	0.984	0.772	0.937	0.998
irMYB8	irPI/PMT*irGGPPS	0.976	0.948	0.995	0.992	0.931	1.000	0.999	0.919	0.995	1.000
irMYB8	irPI/PMT*irMYB8	0.159	0.308	0.888	0.914	0.998	1.000	0.997	0.977	0.796	0.972
irPI/PMT	irPI/PMT*irGGPPS	<b>0.016</b>	0.123	<b>0.019</b>	<b>0.037</b>	0.966	1.000	0.956	0.114	0.746	0.999
irPI/PMT	irPI/PMT*irMYB8	0.913	0.956	0.268	0.272	1.000	0.997	1.000	0.975	0.998	0.998
irPI/PMT*irGGPPS	irPI/PMT*irMYB8	0.245	0.652	0.980	0.980	0.993	1.000	0.989	0.422	0.505	0.999