

**S12 Table: Tables of p values, means and SEMS from ANOVA of sugars for single GT43\_1 transgenics (A) and Triples (B) and comparison of GT43\_1 and triple transgenic lines (C).**

**A. Comparison of T1-6 and N1-6.**

	Type	Line	Type.Line
raffinose	0.752	0.727	0.191
Maltose	0.699	0.085	0.019
Sucrose	<0.001	<0.001	<0.001
log Glucose	<0.001	0.007	<0.001

		Line 1	Line 2	Line 3	Line 4	Line 5	Line 6	standard error of means
raffinose	Line mean	0.736	0.748	0.894	0.719	0.803	0.905	
	Null mean	1.131	0.939	0.799	0.8	0.709	0.582	0.1397
	p value	0.057	0.343	0.635	0.684	0.633	0.116	
Maltose	Line mean	26.3	12.9	37.7	11.4	28.2	31.8	
	Null mean	49.4	22.5	14	22.1	20.1	10.4	7.28
	p value	0.035	0.361	0.031	0.312	0.438	0.049	
Sucrose	Line mean	5.66	3.7	3.3	6.6	5.14	6.94	
	Null mean	15.47	8.76	6.14	9.24	13.49	6.43	0.718
	p value	<0.001	<0.001	0.01	0.016	<0.001	0.622	
log Glucose	Line mean	0.106	-0.132	0.066	0.861	0.15	1.178	
	Null mean	0.996	0.883	0.549	0.654	0.774	0.617	0.1568
	p value	<0.001	<0.001	0.04	0.359	0.01	0.018	

**B. Comparison of triple transgenic lines (T7 and T8) and control (C1-3) lines**

	mean control	mean line 7	mean line 8	standard error of means	p value (control vs triples)	p value (7 vs 8)
log raffinose	-0.497	0.212	-0.046	0.0806	0.001	0.064
sqrt Maltose	3.48	6.98	6.02	0.525	0.003	0.244
sqrt Sucrose	2.217	3.623	2.691	0.1906	0.007	0.013
log Glucose	-0.199	1.266	0.918	0.1402	<0.001	0.131

### C. Comparison of GT43\_1 and triple transgenic lines

	mean GT43	mean triples	standard error of means	p value (GT43 vs triples)
log raffinose	-0.238	0.083	0.0637	0.005
Maltose	24.7	43.2	4.46	0.015
log Sucrose	1.611	2.261	0.1467	0.011
log Glucose	0.372	1.092	0.1753	0.016