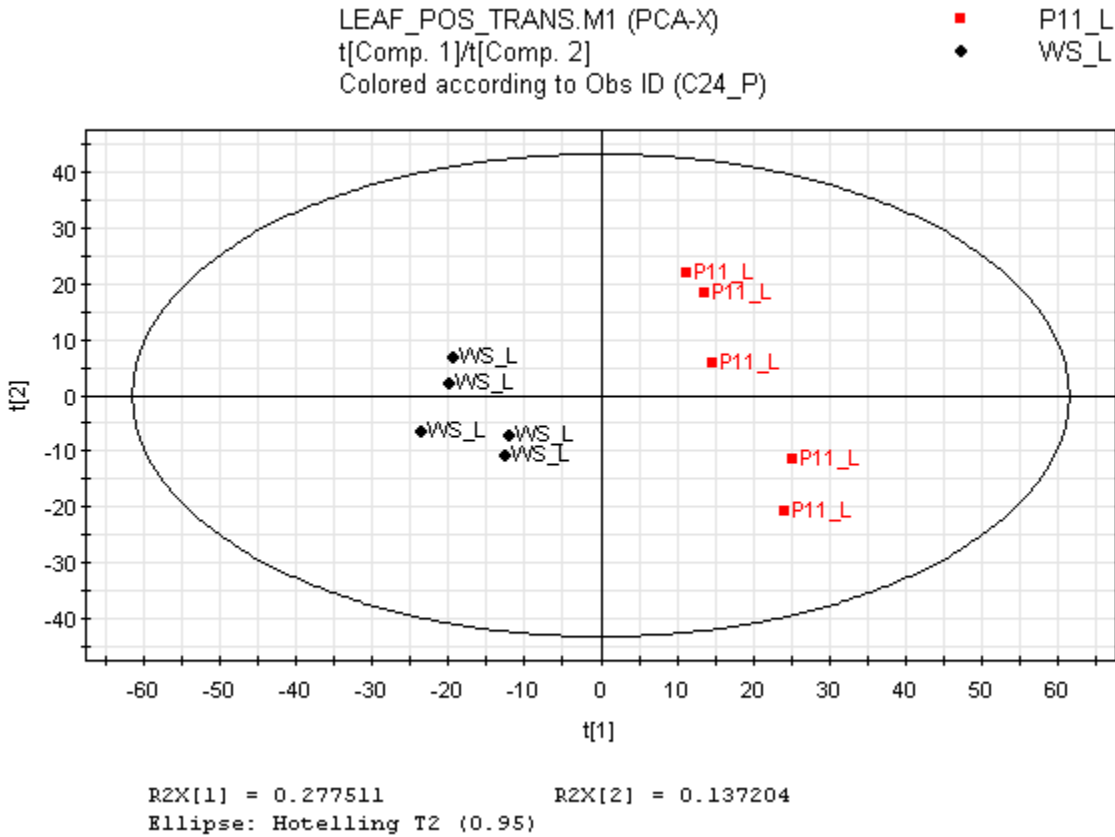


PCA analysis of PEPCK 1-1 (WS) mutant plant tissues (vascular bundle, petiole minus bundle and leaf. MS Pos.

PEPCK 1-1 (ws) Leaf tissue



0.2da BINs of interest. These BINs have a t-test  $p < 0.05$ , a fold change  $> 2$  and an average intensity of  $> 0.1$ . Those BINs shown in bold pass the additional Bonnferoni test.

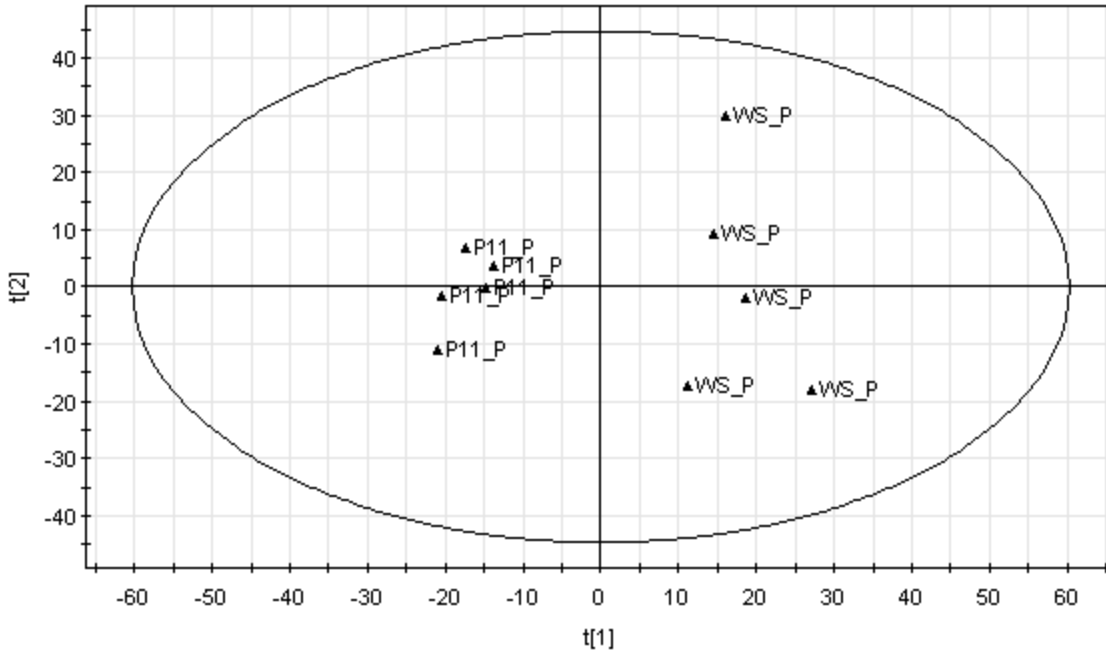
PEPCK 1-1 Leaf POS

Bonnferoni	2.058E-05								
	t-test	AV Mut	AV WT	SE Mut	SE WT	fold change	log fold change	abs change	avg inten
210	<b>6.814E-07</b>	<b>0.14428</b>	<b>0.34112</b>	<b>0.011652972</b>	<b>0.009906652</b>	<b>0.422959662</b>	<b>-0.373701049</b>	<b>0.373701049</b>	<b>0.2427</b>
186	<b>7.141E-07</b>	<b>0.16542</b>	<b>0.40128</b>	<b>0.012351437</b>	<b>0.014008007</b>	<b>0.412230861</b>	<b>-0.384859498</b>	<b>0.384859498</b>	<b>0.28335</b>
209	<b>1.977E-06</b>	<b>0.293</b>	<b>1.24476</b>	<b>0.039136763</b>	<b>0.060716077</b>	<b>0.235386741</b>	<b>-0.628218004</b>	<b>0.628218004</b>	<b>0.76888</b>
241	<b>4.189E-06</b>	<b>0.16682</b>	<b>0.08212</b>	<b>0.004109957</b>	<b>0.001424517</b>	<b>2.031417438</b>	<b>0.307799176</b>	<b>0.307799176</b>	<b>0.12447</b>
169	<b>4.499E-06</b>	<b>0.11488</b>	<b>0.31224</b>	<b>0.006687713</b>	<b>0.012731143</b>	<b>0.367922111</b>	<b>-0.434244111</b>	<b>0.434244111</b>	<b>0.21356</b>
168	<b>5.617E-06</b>	<b>0.29132</b>	<b>1.38172</b>	<b>0.037490255</b>	<b>0.072390585</b>	<b>0.210838665</b>	<b>-0.676049743</b>	<b>0.676049743</b>	<b>0.83652</b>
225	<b>1.11E-05</b>	<b>0.20856</b>	<b>0.73326</b>	<b>0.019565742</b>	<b>0.038642554</b>	<b>0.284428443</b>	<b>-0.546026976</b>	<b>0.546026976</b>	<b>0.47091</b>
127	<b>1.196E-05</b>	<b>0.18234</b>	<b>0.38058</b>	<b>0.005123549</b>	<b>0.012865428</b>	<b>0.479110831</b>	<b>-0.319564011</b>	<b>0.319564011</b>	<b>0.28146</b>
182	<b>1.773E-05</b>	<b>0.37738</b>	<b>0.15424</b>	<b>0.013301757</b>	<b>0.003781964</b>	<b>2.446706432</b>	<b>0.388581864</b>	<b>0.388581864</b>	<b>0.26581</b>
202	4.301E-05	0.14784	0.3128	0.015303619	0.007648121	0.472634271	-0.325474791	0.325474791	0.23032
139.8	4.317E-05	0.22258	0.67672	0.036114218	0.047656353	0.328910037	-0.482922874	0.482922874	0.44965
161	0.0006636	0.10178	0.29546	0.028507749	0.01221672	0.344479794	-0.462836247	0.462836247	0.19862
219	0.0008632	1.0494	0.34898	0.088922642	0.008216553	3.007049115	0.478140522	0.478140522	0.69919
112.8	0.0008723	0.27118	0.04622	0.029230301	0.00416179	5.867157075	0.768427715	0.768427715	0.1587

114.8	0.0027701	0.1605	0.04226	0.020876542	0.003584271	3.797917653	0.579545544	0.579545544	0.10138
425.2	0.0102905	0.21718	0.10822	0.027299849	0.004704307	2.006837923	0.302512299	0.302512299	0.1627
500	0.014188	0.19948	0.07908	0.033569525	0.008246166	2.522508852	0.401832699	0.401832699	0.13928
617	0.0224423	0.28662	0.13196	0.048488561	0.007999891	2.172021825	0.336864185	0.336864185	0.20929

**PEPCK 1-1 (ws) petiole tissue**

11PET\_POS\_TRANS.M1 (PCA-X)  
t[Comp. 1]/t[Last comp.]

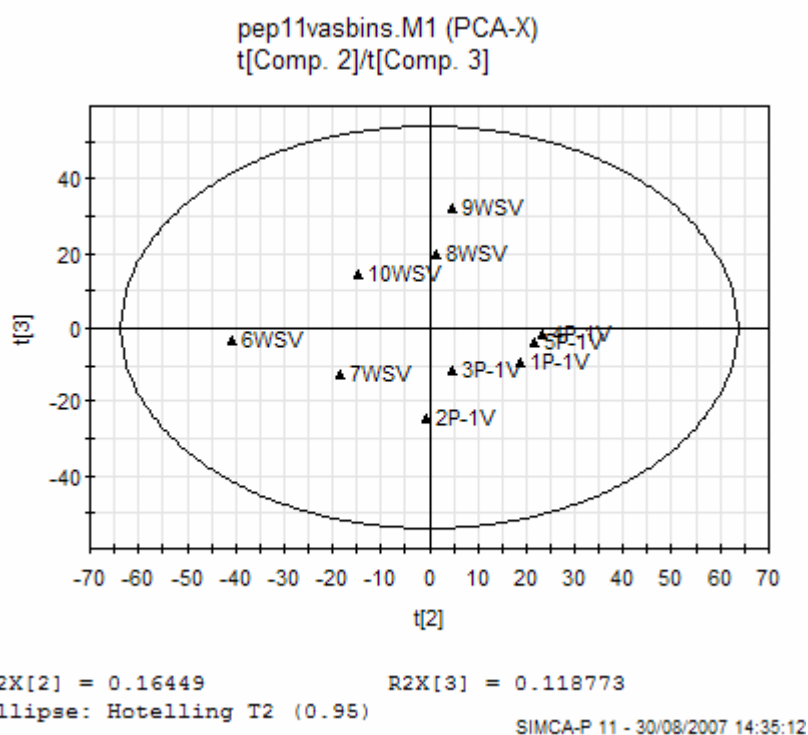


R2X[1] = 0.270807                      R2X[2] = 0.149022  
Ellipse: Hotelling T2 (0.95)

PEPCK 1-1 Petiole POS									
Bonferroni	2.07E-05								
	t-test	AV Mut	AV WT	SE Mut	SE WT	fold change	log fold change	abs change	avg inten
232	1.947E-06	0.78412	0.24392	0.030170379	0.036808481	3.214660544	0.50713512	0.50713512	0.51402
273	4.751E-06	0.23562	0.09294	0.010014015	0.005981388	2.53518399	0.404009484	0.404009484	0.16428
262	4.88E-06	0.07104	0.15532	0.005547815	0.006490897	0.457378316	-0.339724429	0.339724429	0.11318
123.6	1.444E-05	0.22088	0.10948	0.004594616	0.008755455	2.01753745	0.304821605	0.304821605	0.16518
248	1.614E-05	0.18678	0.08114	0.008786808	0.009354852	2.301947252	0.362095368	0.362095368	0.13396
131	2.272E-05	0.3677	0.12338	0.017721033	0.006872536	2.980223699	0.474248864	0.474248864	0.24554
145	3.105E-05	0.46834	1.39934	0.017251797	0.062163038	0.334686352	-0.475361997	0.475361997	0.93384
289	3.179E-05	0.15734	0.07538	0.006931865	0.008180648	2.087291059	0.319583013	0.319583013	0.11636
236	4.775E-05	0.06594	0.13574	0.006918869	0.00704491	0.485781641	-0.313558902	0.313558902	0.10084
112.8	5.015E-05	0.16418	0.39412	0.020151904	0.024592184	0.416573632	-0.380308223	0.380308223	0.27915
114.8	7.1E-05	0.09844	0.20082	0.01142019	0.009825248	0.49019022	-0.309635358	0.309635358	0.14963
129	7.114E-05	0.0941	0.75608	0.005237843	0.045432332	0.124457729	-0.904978127	0.904978127	0.42509
146.6	8.523E-05	0.27802	0.11666	0.008298072	0.016824335	2.383164752	0.377154067	0.377154067	0.19734
147	9.1E-05	1.48314	0.5757	0.104842964	0.068972105	2.576237624	0.410985918	0.410985918	1.02942
154.6	9.434E-05	0.23024	0.11188	0.007073419	0.01303104	2.057919199	0.313428319	0.313428319	0.17106
130	0.0001002	1.47946	0.33178	0.114813129	0.04752972	4.459159684	0.649253025	0.649253025	0.90562
270	0.0002433	0.24014	0.09548	0.005533828	0.016187742	2.515081693	0.400552096	0.400552096	0.16781

134.6	0.0003939	0.0702	0.16488	0.005273993	0.012496069	0.425764192	-0.370830867	0.370830867	0.11754
192	0.0004812	0.09204	0.22976	0.003821583	0.016380079	0.400591922	-0.397297813	0.397297813	0.1609
126.6	0.0005338	0.03708	0.21972	0.010377584	0.025392258	0.16876024	-0.772729865	0.772729865	0.1284
230.8	0.0010344	0.01654	0.2419	0.002431718	0.029873128	0.068375362	-1.165100363	1.165100363	0.12922
155	0.0033638	0.1661	0.3403	0.004700798	0.032052379	0.488098736	-0.311492317	0.311492317	0.2532
341.8	0.0041479	0.2463	0.11702	0.0203698	0.028551103	2.104768416	0.323204318	0.323204318	0.18166
212.8	0.0061342	0.07324	0.26536	0.010433815	0.042799892	0.276002412	-0.559087123	0.559087123	0.1693
570	0.0064089	0.07174	0.20064	0.002888036	0.027885404	0.357555821	-0.446656147	0.446656147	0.13619
502	0.0065015	0.08772	0.18866	0.002374447	0.021944037	0.464963426	-0.332581207	0.332581207	0.13819
500	0.0068503	0.19392	0.479	0.009133756	0.063398906	0.404843424	-0.392712911	0.392712911	0.33646
219	0.0094354	0.34992	0.77218	0.021145135	0.104120624	0.45315859	-0.343749783	0.343749783	0.56105

## PEPCK 1-1 (ws) Vascular tissue



PEPCK 1-1 Vascular POS									
Bonfferoni	2.035E-05								
	t-test	AV Mut	AV WT	SE Mut	SE WT	fold change	log fold change	abs change	avg inten
170	7.491E-05	1.97076	4.2779	0.235854923	0.253696494	0.46068398	-0.336596889	0.336596889	3.12433
185	0.0001375	3.79044	1.791	0.247930468	0.16901724	2.11638191	0.325594041	0.325594041	2.79072
130	0.0009076	0.93178	0.42248	0.073692396	0.082399336	2.205500852	0.34350723	0.34350723	0.67713
169	0.0009313	0.73856	0.31838	0.070456632	0.041140725	2.319743702	0.365440004	0.365440004	0.52847
207	0.0004331	0.42788	0.19148	0.032807838	0.03228071	2.234593691	0.349198568	0.349198568	0.30968
116	0.0002069	0.40548	0.15752	0.023068442	0.032879161	2.574149314	0.410633735	0.410633735	0.2815
151	0.0016113	0.26956	0.11648	0.028547627	0.018178469	2.314217033	0.364404086	0.364404086	0.19302
152	0.0007885	0.21828	0.08566	0.021562334	0.012521711	2.548213869	0.406235875	0.406235875	0.15197
158	0.0286584	0.1851	0.08728	0.031920428	0.025041251	2.12076077	0.326491681	0.326491681	0.13619