<table>
<thead>
<tr>
<th>Amino acids</th>
<th>0 µM</th>
<th>100 µM</th>
<th>0 µM</th>
<th>100 µM</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>25°C</td>
<td>40°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lysine</td>
<td>60.26</td>
<td>2.34 Ba</td>
<td>16.18</td>
<td>1.91 Bb</td>
</tr>
<tr>
<td>Histidine</td>
<td>6.53</td>
<td>0.53 Ba</td>
<td>4.34</td>
<td>0.63 Bb</td>
</tr>
<tr>
<td>Arginine</td>
<td>47.93</td>
<td>3.03 Aa</td>
<td>13.18</td>
<td>1.04 Bb</td>
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<tr>
<td>Glycine</td>
<td>265.88</td>
<td>25.25 Aa</td>
<td>69.44</td>
<td>19.01 Bb</td>
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<tr>
<td>Serine</td>
<td>13.089.8</td>
<td>2180 Aa</td>
<td>2153.08 Bb</td>
<td>406.61 Aa</td>
</tr>
<tr>
<td>Asparagine</td>
<td>8.24</td>
<td>1.06 ns</td>
<td>7.76</td>
<td>1.75 ns</td>
</tr>
<tr>
<td>Alanine</td>
<td>18.594.1</td>
<td>1460 Aa</td>
<td>3218.04 Bb</td>
<td>676.3 Bb</td>
</tr>
<tr>
<td>Aspartic acid</td>
<td>11.6</td>
<td>2.03 Ba</td>
<td>4.01</td>
<td>0.46 Bb</td>
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<tr>
<td>Glutamine</td>
<td>26.96</td>
<td>5.65 ns</td>
<td>20.17</td>
<td>2.27 ns</td>
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<tr>
<td>Threonine</td>
<td>141.15</td>
<td>16.86 Aa</td>
<td>34.53</td>
<td>4.14 Bb</td>
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<tr>
<td>Glutamic acid</td>
<td>22.23</td>
<td>4.82 ns</td>
<td>37.57</td>
<td>7.13 ns</td>
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<tr>
<td>Proline</td>
<td>214.58</td>
<td>13.53 ns</td>
<td>57.84</td>
<td>8.33 ns</td>
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<tr>
<td>Valine</td>
<td>372.18</td>
<td>16.41 ns</td>
<td>269.50</td>
<td>43.27 ns</td>
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<tr>
<td>Methionine</td>
<td>107.78</td>
<td>16.42 ns</td>
<td>38.65</td>
<td>6.09 ns</td>
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<tr>
<td>Isoleucine</td>
<td>376.49</td>
<td>11.67 Aa</td>
<td>250.85</td>
<td>41.81 Bb</td>
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<tr>
<td>Leucine</td>
<td>6877.07</td>
<td>306.98 Aa</td>
<td>2878.11</td>
<td>338.74 Bb</td>
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<tr>
<td>Tyrosine</td>
<td>3970.78</td>
<td>285.61 Ba</td>
<td>3086.43</td>
<td>594.58 Aa</td>
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<tr>
<td>Phenylalanine</td>
<td>4892.15</td>
<td>636.07 Ba</td>
<td>4872.75</td>
<td>675.06 Aa</td>
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<tr>
<td>Tryptophan</td>
<td>250.99</td>
<td>9.6 Ba</td>
<td>257.55</td>
<td>37 Aa</td>
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</tbody>
</table>
Table S2. Carbohydrates, polyols and organic acids data from soybean plants submitted to two temperatures (25 ºC and 40 ºC) and two SNP concentrations (0 e 100 µM).

<table>
<thead>
<tr>
<th>Carbohydrates / Polyols / Organic acids</th>
<th>25 ºC</th>
<th></th>
<th>40 ºC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0 µM</td>
<td>100 µM</td>
<td>0 µM</td>
<td>100 µM</td>
</tr>
<tr>
<td>Pentaerythitol</td>
<td>433.66</td>
<td>3.21 ns</td>
<td>430.29</td>
<td>3.30 ns</td>
</tr>
<tr>
<td>Aminobutyric acid</td>
<td>2637.90</td>
<td>340.99 ns</td>
<td>893.47</td>
<td>72.72 ns</td>
</tr>
<tr>
<td>Ribose</td>
<td>1307.12</td>
<td>163.70 Aa</td>
<td>719.53</td>
<td>226.23 Ba</td>
</tr>
<tr>
<td>Fructose</td>
<td>1245.40</td>
<td>112.48 ns</td>
<td>895.20</td>
<td>86.42 ns</td>
</tr>
<tr>
<td>Citric acid</td>
<td>2580.58</td>
<td>227.20 ns</td>
<td>2443.95</td>
<td>257.74 ns</td>
</tr>
<tr>
<td>Pinitol</td>
<td>3109.23</td>
<td>75.33 ns</td>
<td>740.01</td>
<td>65.44 ns</td>
</tr>
<tr>
<td>Glucose</td>
<td>1142.67</td>
<td>83.14 ns</td>
<td>787.42</td>
<td>67.76 ns</td>
</tr>
<tr>
<td>Mannose</td>
<td>2138.62</td>
<td>108.07 Ba</td>
<td>774.45</td>
<td>85.45 Bb</td>
</tr>
<tr>
<td>D-Mannitol</td>
<td>831.74</td>
<td>252.73 Aa</td>
<td>948.46</td>
<td>185.52 Ba</td>
</tr>
<tr>
<td>D- (+)-Chiro-Inositol</td>
<td>1007.41</td>
<td>76.83 ns</td>
<td>375.00</td>
<td>45.13 ns</td>
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<tr>
<td>Myo-Inositol</td>
<td>1786.03</td>
<td>271.80 Ba</td>
<td>627.71</td>
<td>63.68 Ab</td>
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</tbody>
</table>