Potassium translocation combined with specific root uptake is responsible for the high potassium efficiency in vegetable soybean

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**Supplemental Table S1. Comparison of root morphology parameters between different K efficiency genotypes under hydroponic condition**

<table>
<thead>
<tr>
<th></th>
<th>Treatment</th>
<th>Line 19</th>
<th>Line 20</th>
<th>Line 7</th>
<th>Line 36</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Root length (cm)</strong></td>
<td>K0.5</td>
<td>569.3 b</td>
<td>626.8a</td>
<td>371.6c</td>
<td>393.7c</td>
</tr>
<tr>
<td></td>
<td>K3.0</td>
<td>507.9b</td>
<td>500.1b</td>
<td>505.5b</td>
<td>631.7a</td>
</tr>
<tr>
<td><strong>Surface area (cm²)</strong></td>
<td>K0.5</td>
<td>83.7b</td>
<td>102.5a</td>
<td>54.8c</td>
<td>56.2c</td>
</tr>
<tr>
<td></td>
<td>K3.0</td>
<td>72.1c</td>
<td>80.3bc</td>
<td>88.8b</td>
<td>109.8a</td>
</tr>
<tr>
<td><strong>Average diameter (mm)</strong></td>
<td>K0.5</td>
<td>0.24d</td>
<td>0.26c</td>
<td>0.28b</td>
<td>0.30a</td>
</tr>
<tr>
<td></td>
<td>K3.0</td>
<td>0.25c</td>
<td>0.26bc</td>
<td>0.27a</td>
<td>0.28a</td>
</tr>
<tr>
<td><strong>Root volume (cm³)</strong></td>
<td>K0.5</td>
<td>1.24b</td>
<td>1.33a</td>
<td>0.77c</td>
<td>0.80c</td>
</tr>
<tr>
<td></td>
<td>K3.0</td>
<td>0.75c</td>
<td>0.73c</td>
<td>1.36b</td>
<td>1.52a</td>
</tr>
</tbody>
</table>

The significance test ($P$-values) of the analysis of variance (ANOVA) among different genotypes were showed in table, letters in the same line represent difference at significant level of $P = 0.05$ (l.s.d.).