

Additional file 9

Data for Figure 5B: sphericity of trichome nuclei.

	MEAN	MEDIAN	STDEV	SEM	n	Kruskal-Wallis test	Dunn's test WT versus:
*Sphericity						0.0001	
WT	0.65	0.67	0.11	0.009	157		
<i>xi-1</i>	0.62	0.64	0.11	0.013	69		P>0.05
<i>xi-2</i>	0.58	0.59	0.09	0.008	151		P<0.001
<i>xi-k</i>	0.60	0.60	0.08	0.010	75		P<0.01
<i>xi-1/xi-2</i>	0.61	0.61	0.09	0.012	55		P<0.05
<i>xi-1/xi-k</i>	0.62	0.62	0.08	0.009	81		P>0.05
<i>xi-2/xi-k</i>	0.52	0.51	0.08	0.008	88		P<0.001
<i>xi-1/xi-2/xi-k</i>	0.60	0.57	0.10	0.010	89		P<0.001

Abbreviations: BR, branch; STDEV, standard deviation; SEM, standard error of the mean; n, number of data points.

*Sphericity is a measure of how spherical (round) an object is, whereas values equal to 1.00 represent a perfect sphere.

Statistical analysis: Kruskal-Wallis Test and Dunn's Multiple Comparisons Test.