

**Supplementary Data 1 – Improvement of the tobacco genome assembly**

	<i>N. tabacum</i> (cv. K326) from this study		<i>N. tabacum</i> (cv. TN90) from Sierra <i>et al.</i> , 2014	
	NGS	Super-Scaffolds	NGS	Super-Scaffolds
<b>Number of contigs/scaffolds</b>	1084432	2217	829882	382373
<b>Total length (Mb)</b>	4695	3,688	3719	3719
<b>Defined bases (Mb)</b>	4049		3613	3613
<b>N50 length (Mb)</b>	0.28	2.17	-	0.39
<b>Anchored sequence</b>	-	2924	-	706

Comparison of genome assembly presented with previously best publicly available genome assembly for the cultivar TN90 (Sierra *et al.*, 2014).