

Supplementary Table 6: Statistics of the vascular bundle length in *G. bachemiana*. Vascular bundle (VB) length is measured for 10 helical loops (μm). Significant differences between the steady (S), unreleased (U), and released (R) states were calculated with a Mann-Whitney-U-Test; $P \leq 0.005$ (bold); abbreviations according to Tab. S3.

	State	N	Mean	se	K-S-Test	Sig.	Tested groups	df	U-Test
Upper VBs	S	114	45.47	1.04	0.145	0.000	S / U	114/77	U = 3001; P = 0.000
	U	77	53.72	2.05	0.220	0.000	U / R	77/52	U = 1668; P = 0.109
	R	52	48.29	1.41	0.146	0.007	R / S	52/114	U = 2279; P = 0.017
Lower VB	S	143	51.86	0.90	0.129	0.000	S / U	143/150	U = 8849; P = 0.010
	U	150	55.99	1.15	0.186	0.000	U / R	150/101	U = 3571; P = 0.000
	R	101	68.46	1.64	0.119	0.001	R / S	101/143	U = 2539; P = 0.000