

Table S1. Quantitation of denticle orientation

Row	Wild type		<i>en.Gal4 UAS.ds</i>		<i>ptc.Gal4 UAS.ds</i>		<i>ptc.Gal4 UAS.ectoDs tub.Gal80^{ts} 17°C</i>		<i>ptc.Gal4 UAS.ectoDs tub.Gal80^{ts} 17°C>29°C</i>		<i>ptc.Gal4 UAS.ectoDs tub.Gal80^{ts} 29°C</i>		<i>ptc.Gal4 UAS.ectoDs tub.Gal80^{ts} 29°C>17°C</i>		<i>en.Gal4 UAS.ft</i>		<i>ptc.Gal4 UAS.ft</i>	
	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down	Up	Down
0	126	1	141	1 (0.50)	95	1 (0.51)	171	1 (0.52)	150	2 (0.56)	109	1 (0.51)	126	2 (0.67)	7	0 (N.A.)	118	2 (0.71)
1	94	1	169	3 (0.61)	10	101 (165.66)*	185	1 (0.57)	187	47 (20.13)*	125	73 (43.98)*	217	8 (2.02)	202	3 (0.49)	179	1 (0.56)
2	1	76	52	51 (51.48)*	115	5 (172.05)*	1	151 (0.57)	50	106 (28.89)*	65	51 (61.80)*	10	144 (3.51)	0	155 (2.14)	2	141 (0.40)
3	3	148	125	5 (249.75)*	126	4 (253.54)*	1	205 (1.83)	86	102 (82.95)*	87	31 (153.02)*	8	171 (1.72)	2	268 (1.21)	1	201 (1.79)
4	87	2	144	1 (1.13)	97	1 (0.75)	159	8 (1.30)	156	1 (1.23)	145	1 (1.14)	167	2 (0.50)	189	1 (1.50)	144	1 (1.13)
5	2	94	8	181 (1.18)	1	79 (0.57)	2	159 (0.41)	1	151 (1.09)	7	175 (0.91)	7	149 (1.27)	2	164 (0.43)	8	152 (1.65)
6	1	89	1	339 (0.77)	1	176 (0.57)	1	271 (0.68)	1	352 (0.79)	3	300 (0.30)	2	331 (0.35)	2	285 (1.83)	2	299 (0.34)

Denticles were recorded as pointing anteriorly (up) or posteriorly (down). The numbers between parentheses are the Yates' adjusted χ^2 values obtained after comparing in a contingency test the orientation of denticles in each row with the wild type. The critical values for significance levels of 0.05 and 0.001 are 3.841 and 10.828, respectively (Rohlf and Sokal, 1995). Values indicating a high significant departure from the wild-type orientation are labelled with an asterisk.

N.A., not applicable.

Reference

Rohlf, F. J. and Sokal, R. R. (1995). *Statistical Tables*. New York: WH Freeman and Co.