

Figure S1

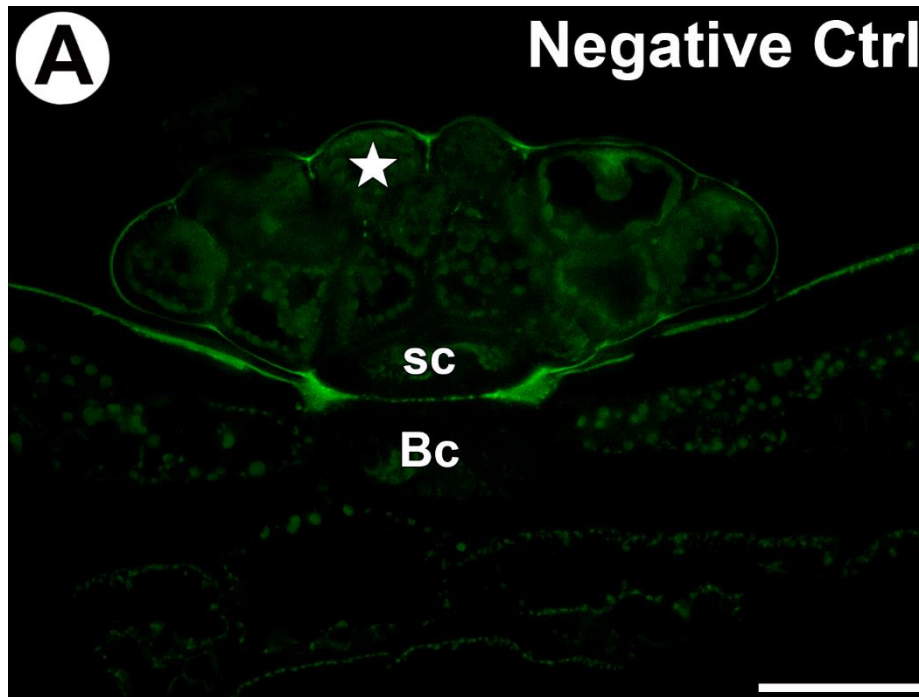


Figure S1. Control reactions of the immunolabeling of the cell wall components. (a) The digestive gland; secretory cell (star), stem cell (sc), basal cell (Bc), bar 20 μ m.

Table S1

Table S1. Quantification of immunofluorescence labelling. Mean value of AGP fluorescence intensity labelled by JIM14, JIM8, and JIM13 antibodies and in the negative control reaction in secretory cells during 0 and 2 hours, 3, 5, and 7 days after feeding. The regions of interest were selected manually to cover 3 secretory cells from 3 different glands (n=3).

The arabinogalactan epitope recognized by antibody	Time of feeding (hours, days)	Mean value of fluorescence intensity \pm SD
Negative control reaction		229.82 \pm 13.54
JIM14	0 h	541.66 \pm 53.12
	2 h	624.80 \pm 30.64
	3 d	598.54 \pm 89.9
	5 d	570.09 \pm 105.54
	7 d	715.48 \pm 102
JIM8	0 h	593.91 \pm 72.95
	2 h	649.11 \pm 106.15
	3 d	609.45 \pm 43.54
	5 d	826.92 \pm 77.59
	7 d	910.74 \pm 151.70
JIM13	0 h	509.19 \pm 55.49
	2 h	867.12 \pm 160.93
	3 d	587.83 \pm 49.63
	5 d	607.7 \pm 147.32
	7 d	689.85 \pm 33.06

Table S2. Statistical analysis of immunofluorescence labelling. Mean value of AGP fluorescence intensity (MFI) labelled by JIM14, JIM8, and JIM13 antibodies in secretory cells in unfed traps (0 h) and in stimulated traps: 2 hours, 3, 5, and 7 days after feeding. The regions of interest were selected manually to cover 3 secretory cells from 3 different glands (n=3). Significance shown in red.

One -way ANOVA								
	effect SS	effect Df	effect MS	error SS	df	error MS	F	p-level
JIM14 MFI	53213.70	4	13303.43	66774.1	10	6677.411	1.992303	0.171739
JIM13 MFI	222549.6	4	55637.41	108476.9	10	10847.69	5.128965	0.016482
JIM8 MFI	230260.8	4	57565.20	75468.18	10	7546.818	7.627744	0.004368

Time of feeding	Tukey; JIM8 MFI p < 0.05000			
	2 h	3 d	5 d	7 d
0 h	0.133099	0.999422	0.050568	0.008364
2 d		0.183555	0.966077	0.416589
3 d			0.070937	0.011571
5 d				0.761402

Time of feeding	Tukey; JIM13 MFI p < 0.05000			
	2 h	3 d	5 d	7 d
0 h	0.012260	0.881053	0.773570	0.281973
2 d		0.050634	0.072640	0.297274
3 d			0.999256	0.751973
5 d				0.864306