

Supplementary Materials:

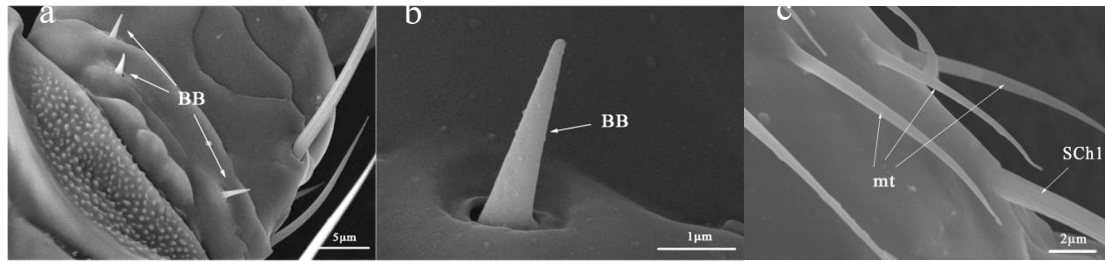


Figure S1. (a-b) Böhm bristle (BB) at the scape of *O. loti*. (c) Microtrichia (mt) at the flagellum II of *O. loti*.

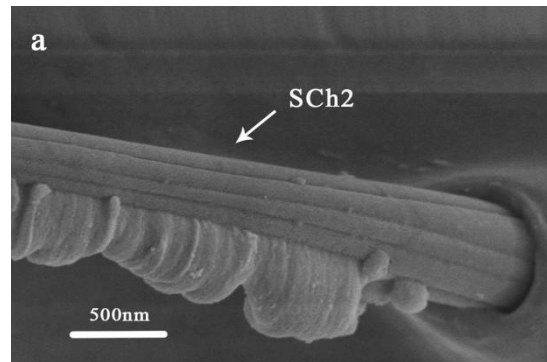


Figure S2. It was found that substances could be secreted in the longitudinal opening of SCh II in *Sericothrips kaszabi* by SEM.

Table S1. Mean(μm) $\pm$ SE values of the length and width of the antennal segments of three species of thrips.

Antennal segment		<i>Odontothrips loti</i>		<i>Megalurothrips distalis</i> (N=9)	<i>Sericothrips kaszabi</i> (N=6)
		Females(N=10)	Males(N=10)		
Scape	Length	24.28 $\pm$ 0.84	19.89 $\pm$ 0.43	28.27 $\pm$ 1.66	19.43 $\pm$ 0.76
	Width	30.49 $\pm$ 0.82	28.86 $\pm$ 0.41	34.59 $\pm$ 1.29	28.77 $\pm$ 0.96
Pedicel	Length	40.27 $\pm$ 1.02	35.96 $\pm$ 0.21	40.38 $\pm$ 1.53	33.11 $\pm$ 1.53
	Width	27.14 $\pm$ 0.89	24.22 $\pm$ 0.22	30.94 $\pm$ 0.83	27.57 $\pm$ 0.67
Flagellum I	Length	53.49 $\pm$ 1.34	48.73 $\pm$ 0.70	61.85 $\pm$ 1.46	55.03 $\pm$ 2.73
	Width	20.23 $\pm$ 0.23	17.71 $\pm$ 0.16	29.13 $\pm$ 0.55	19.35 $\pm$ 0.47
Flagellum II	Length	56.51 $\pm$ 0.56	51.07 $\pm$ 0.86	73.05 $\pm$ 1.63	53.95 $\pm$ 2.16
	Width	19.77 $\pm$ 0.26	18.11 $\pm$ 0.27	27.40 $\pm$ 0.36	17.67 $\pm$ 0.22
Flagellum III	Length	40.48 $\pm$ 1.29	34.95 $\pm$ 0.80	47.39 $\pm$ 2.02	46.97 $\pm$ 1.79

Flagellum IV	Width	17.84±0.14	16.57±0.12	18.20±0.27	16.81±0.32
	Length	60.01±1.00	52.15±0.76	65.29±2.14	53.58±1.71
Flagellum V	Width	18.82±0.31	17.39±0.31	20.90±0.26	16.02±0.47
	Length	11.66±0.47	9.92±0.25	17.84±0.60	11.58±0.70
Flagellum VI	Width	7.61±0.31	8.42±0.23	9.95±0.26	6.60±0.16
	Length	17.04±0.40	14.32±0.25	23.07±0.79	15.79±0.44
	Width	5.61±0.07	5.95±0.19	6.61±0.16	5.00±0.13
Total of antennae	Length	298.13±3.27	261.27±2.07	355.12±6.96	290.61±9.33
