

Table S3. Relative composition of *A. longisetosus* defensive gland exudates, quantified based on the ion abundance of each individual compound per sample.

treatment	2,6-HMBD [%]	Neral [%]	Nerylformiat [%]	Tridecan [%]	γ -Acaridial [%]	7-Pentadecen [%]	Pentadecan [%]	Heptadecadien [%]	8-Heptadecen [%]	Heptadecan [%]	aromatic [%]	terpenes [%]	hydrocarbons [%]
all	4.62	5.83	45.18	7.49	16.07	3.25	11.52	0.00	5.74	0.29	20.69	51.02	28.29
all	3.87	6.33	43.47	6.17	15.61	4.19	12.94	0.00	7.42	0.00	19.48	49.80	30.72
all	5.48	7.12	36.40	5.89	19.66	3.63	11.85	0.00	9.33	0.64	25.14	43.52	31.34
all	2.76	35.69	21.56	7.90	26.10	0.00	2.23	0.00	2.10	1.67	28.86	57.25	13.89
all	0.00	0.00	59.90	6.00	7.55	4.42	9.46	0.00	10.70	1.97	7.55	59.90	32.55
all	5.38	7.81	45.28	5.22	17.35	3.01	8.95	0.16	6.44	0.39	22.74	53.08	24.18
all	0.00	0.00	49.81	7.72	6.11	4.91	14.21	0.00	14.20	3.03	6.11	49.81	44.08
all	7.50	9.30	40.33	5.24	19.10	3.27	8.64	0.15	5.97	0.49	26.60	49.63	23.76
all	3.11	1.58	50.41	7.19	14.00	3.18	13.06	0.18	6.78	0.51	17.11	51.99	30.90
all	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
all	0.00	0.00	50.68	10.29	6.20	5.47	10.91	0.00	12.95	3.50	6.20	50.68	43.12
all	6.05	9.39	47.62	6.42	10.94	2.79	8.41	0.00	7.42	0.96	16.99	57.01	26.00
control	7.33	18.79	30.97	4.13	18.91	2.44	11.07	0.12	5.98	0.25	26.24	49.76	24.00
control	3.75	0.00	57.46	3.10	13.00	3.38	9.53	0.00	8.75	1.03	16.75	57.46	25.79
control	0.00	0.00	62.52	1.47	9.46	4.08	10.53	0.00	10.16	1.80	9.46	62.52	28.03
control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
control	8.17	7.02	45.55	5.13	9.98	4.15	11.09	0.00	7.84	1.07	18.15	52.57	29.27
control	0.00	0.00	59.72	0.00	0.00	5.38	12.42	0.00	16.01	6.46	0.00	59.72	40.28
control	0.00	0.00	63.73	1.23	9.00	3.64	11.14	0.00	9.77	1.50	9.00	63.73	27.28
control	4.74	5.12	46.62	2.77	16.01	3.46	10.65	0.00	9.42	1.22	20.75	51.74	27.51
control	7.95	15.90	36.34	3.34	12.98	3.69	8.55	0.23	10.05	0.96	20.93	52.24	26.83

control	0.00	0.00	65.27	2.43	8.75	2.44	10.23	0.00	8.59	2.28	8.75	65.27	25.98
control	7.44	20.31	32.97	3.99	14.23	2.87	10.38	0.00	7.53	0.29	21.66	53.28	25.06
control	0.00	0.00	64.62	2.19	5.39	4.28	8.81	0.00	11.27	3.45	5.39	64.62	30.00
control	4.68	0.00	48.17	6.45	5.30	5.19	15.28	0.00	12.72	2.22	9.98	48.17	41.85
control	0.00	0.00	65.28	0.00	12.94	2.56	9.00	0.00	8.84	1.38	12.94	65.28	21.78
control	4.62	3.14	52.97	2.80	8.93	4.59	11.20	0.28	10.27	1.20	13.55	56.11	30.34
control	0.00	0.00	56.78	0.00	0.00	6.17	11.21	0.00	16.31	9.53	0.00	56.78	43.22
control	8.00	32.97	26.26	5.06	0.00	3.30	13.69	0.48	9.81	0.41	8.00	59.24	32.76
control	8.77	35.07	27.02	3.96	0.00	3.30	11.88	0.54	8.84	0.61	8.77	62.09	29.14
control	9.39	30.38	24.71	3.73	0.00	3.78	12.07	0.91	13.86	1.18	9.39	55.08	35.53
control	11.30	26.32	28.41	4.49	3.77	3.64	11.14	0.46	9.72	0.75	15.07	54.73	30.21