

Supplementary file 2

Number of stylopized adult workers, males, and new queens in the *Vespa analis* nests as classified by composition of the parasite *Xenos oxydantes*. Compositions of the parasites are represented by combinations of numerals and letters. For example, "1m", "2f", and "1m1f", stand for one male, two females, and one male along with one female parasite on a single host, respectively. Total number of parasites in the nests are given for each sex. Nest # corresponds to that in the table of supplementary file 1.

Nest #	No. workers										No. males									New queen	Total no. stylopized adults	Total no. male parasites	Total no. female parasites
	1m	1f	2m	2f	1m1f	2m1f	3m	4m	2m2f	13m	1m	1f	1m1f	2m	2m1f	3f	3m	4m	1f				
5	2		2														1				5	9	0
6	7		8			1	1														17	28	1
7	1		2		1	1					3			5		1	1	2			17	26	5
9	1	1									2										4	3	1
10	1	6	1																		8	3	6
11	1	2			1																4	2	3
12											4	1									5	4	1
15	5	8	1	1	1		1				10	3	4	5	1						40	37	19
17	1	1			1																3	2	2
18	3				1																4	4	1
20	1																				1	1	0
22	1	1																			2	1	1
23		1																			1	0	1
28											1										1	1	0
29	3																				3	3	0
31	2	1																			3	2	1
32	4																				4	4	0
33	1	2									3										6	4	2
34		1																			1	0	1
35	7	5									1										13	8	5
36	1																				1	1	0
38	4		3		1					1											9	24	1
39	4	1																			5	4	1
42																			2		2	0	2
43	1																				1	1	0
46	1																				1	1	0
47	10	4	1				1														16	15	4
48	2		1																		3	4	0
Total	64	34	19	1	6	2	3	0	0	1	24	4	4	10	1	1	2	2	2		180	192	58