

Supplementary text 1: The data sets used to construct the dominance networks of *R. marginata*.

For each colony, the interacting individuals are labeled with numbers starting from 0 to $n-1$ where n is the total number of interacting individuals. In each row, the ' $i j$ ' indicates that the individual i is dominating over the individual j .

Colony: V213

0	1
0	2
1	13
1	14
1	17
2	22
2	24
3	4
4	5
4	18
4	35
5	6
6	16
6	42
7	0
7	4
7	5
7	8
9	1
9	10
9	11
9	12
9	13
10	19
11	15
11	29
12	16
12	39
14	15
14	16
15	18
17	11
18	3
19	2
20	11
21	0
21	1
21	2
21	5
21	7
21	14

21	22
22	14
22	30
23	17
24	17
24	20
25	26
25	27
28	29
28	30
28	31
28	32
32	30
32	40
33	1
34	11
36	17
36	21
36	22
36	35
36	37
36	38
41	35

Colony: V215

0	1
0	2
3	4
3	5
6	2
6	7
7	2
8	0
9	10
11	12
11	13
12	6
12	10
12	13
12	15
12	17
12	19
12	20
13	0
13	16
14	12
14	13
14	15

16	2
17	13
17	14
17	18

Colony: V217

0	1
0	2
0	3
4	5
6	0
7	8
8	3
8	22
9	10
10	1
10	13
10	15
10	16
10	17
11	12
11	13
14	3
14	5
17	3
17	27
17	28
18	9
18	19
20	10
20	18
20	21
21	23
23	24
25	14
26	3
27	8
27	23

Colony: 219

0	1
0	2
0	3
1	3
2	1
3	5
3	7

3	11
4	5
5	6
5	7
8	2
8	9
9	1
10	1
12	1
12	2
12	3
12	8
12	9
12	10
12	13

Colony: V220

0	1
2	3
4	5
4	6
7	1
8	1
8	5
8	9
10	0
11	1
12	1
12	3
12	4
12	5
12	7
13	5
13	8
14	2
14	6

Colony: V221

0	1
0	2
1	8
3	4
5	1
6	0
7	4
7	8
9	0

9	3
9	4
9	8
9	10
9	11
12	1
12	8
13	0
13	1

Colony: V222

0	1
0	2
1	6
1	7
1	8
2	13
2	14
3	4
3	5
4	5
5	1
5	11
5	13
6	8
8	14
9	5
9	6
10	0
10	1
10	6
10	11
10	12
12	0
15	13
15	14
16	1
16	2
16	3
16	4
16	5
16	6
16	7
16	8
16	9
16	10
16	11
16	12

16	14
16	17
16	18
19	10

Colony: V223

0	1
1	7
1	11
2	1
2	3
3	0
3	1
3	8
3	15
4	5
6	1
6	7
8	5
9	3
9	6
9	10
10	0
10	3
12	0
12	1
12	10
12	13
12	14
16	0
16	10
16	12

Colony: V224

0	1
1	7
1	10
1	11
1	12
2	3
4	0
4	5
4	6
5	7
6	0
6	1
7	12

8	0
8	1
8	3
8	4
8	5
8	6
8	7
9	0
9	1
13	6