

Supplementary text 5: Frequencies of the triads and their significance in networks constructed from different paired interactions other than dominance, sampled by 10 hours of observation in 9 different colonies of *R. marginata*. Relative percentages of frequencies compared to all interactions for each of the behaviour are also provided in brackets.

Behaviour: Antennation (relative % of frequency: 22.96 ± 2.01)

Triad identity	Observed frequency (%)		Observed in networks	Significant in networks (count>1, $P<0.1$)	Less significant in networks (count>1, $P>0.9$)
	mean	sd			
1	27.50	5.80	9	0	1
2	16.37	3.63	9	0	1
3	29.00	6.91	9	1	3
4	4.99	2.66	9	0	0
5	9.95	5.16	9	2	0
6	2.02	2.72	6	1	0
7	5.72	4.50	8	1	0
8	0.88	0.76	7	2	0
9	0.78	0.65	7	2	0
10	1.12	1.05	8	0	1
11	1.15	1.02	7	2	0
12	0.52	0.70	4	0	0
13	0.00	0.00	0	0	0

Behaviour: Allogrooming (relative % of frequency: 4.82 ± 3.40)

Triad identity	Observed frequency (%)		Observed in networks	Significant in networks (count>1, $P<0.1$)	Less significant in networks (count>1, $P>0.9$)
	mean	sd			
1	31.52	19.79	8	1	0
2	51.77	25.69	9	0	0
3	14.35	13.26	8	1	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	2.36	4.09	3	1	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0

Behaviour: Solicit (relative % of frequency: 50.41 ± 7.46)

Triad identity	Observed frequency (%)		Observed in networks	Significant in networks (count>1, $P<0.1$)	Less significant in networks (count>1, $P>0.9$)
	mean	sd			
1	21.54	7.35	9	1	2
2	19.44	6.88	9	1	4
3	24.48	7.54	9	1	
4	6.67	4.11	9	2	1
5	6.74	3.75	9	1	2
6	1.28	1.79	5		
7	11.55	5.71	9	2	1
8	1.09	0.38	9		
9	1.32	0.83	9	2	1
10	2.25	2.00	9	3	
11	1.72	1.60	9		1
12	1.56	1.53	8	4	1
13	0.36	0.74	4	1	1

Behaviour: Food sharing (relative % of frequency: 7.62 ± 6.21)

Triad identity	Observed frequency (%)		Observed in networks	Significant in networks (count>1, $P<0.1$)	Less significant in networks (count>1, $P>0.9$)
	mean	sd			
1	17.29	7.26	7	0	0
2	40.12	13.02	8	0	0
3	33.99	7.01	8	1	0
4	2.05	2.99	3	0	0
5	2.53	4.62	3	1	0
6	0.16	0.44	1	0	0
7	3.03	2.79	6	0	0
8	0.29	0.54	2	0	0
9	0.16	0.44	1	0	0
10	0.31	0.57	2	0	0
11	0.07	0.21	1	0	0
12	0.00	0	0	0	0
13	0.00	0	0	0	0