

**Supplementary text 3:** Frequencies of the triads and their significance in networks constructed from dominance interactions in 8 different colonies of *R. marginata*.

Sampled by 20 hours of observation

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	33.43	8.54	8	0	3
2	18.96	8.93	8	0	4
3	31.19	8.91	8	2	0
4	0.88	1.04	4	1	1
5	2.78	4.67	4	0	0
6	0.08	0.18	2	0	0
7	10.70	5.67	8	4	0
8	0.60	0.78	5	0	0
9	0.40	0.88	3	1	0
10	0.48	0.61	4	0	0
11	0.36	0.71	3	0	0
12	0.14	0.36	2	0	0
13	0.00	0.00	0	0	0

Sampled by 30 hours of observation

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	30.27	7.15	8	0	3
2	19.34	7.04	8	0	4
3	30.47	6.49	8	1	1
4	1.04	1.10	5	1	1
5	2.97	4.25	5	0	1
6	0.09	0.18	2	0	0
7	13.25	7.16	8	5	0
8	1.06	0.94	6	1	1
9	0.35	0.61	4	1	0
10	0.60	0.70	4	2	0
11	0.45	0.63	4	1	0
12	0.11	0.25	3	0	0
13	0.00	0.00	0	0	0