

Table S2. Composition of flea pools

Number of pool	Pool ID	Rodent host ID	Flea species	Flea sex	Number of fleas in the pool	Rickettsia sp. infection
1	1F	1	<i>Leptopsylla algira</i>	Females	2	Negative
2	1M	1	<i>Leptopsylla algira</i>	Males	1	Negative
3	2F	2	<i>Leptopsylla algira</i>	Females	1	Negative
4	2M	2	<i>Leptopsylla algira</i>	Males	1	Negative
5	3F	3	<i>Leptopsylla algira</i>	Females	1	Negative
6	3M	3	<i>Leptopsylla algira</i>	Males	2	Negative
7	4F	4	<i>Leptopsylla algira</i>	Females	1	Negative
8	5M	5	<i>Leptopsylla algira</i>	Males	2	Negative
9	6F	6	<i>Leptopsylla algira</i>	Females	3	Negative
10	6M	6	<i>Leptopsylla algira</i>	Males	2	Negative
11	7F	7	<i>Leptopsylla algira</i>	Females	3	Negative
12	7M	7	<i>Leptopsylla algira</i>	Males	1	Negative
13	8F	8	<i>Synosternus cleopatrae</i>	Females	6	Negative
14	8M	8	<i>Synosternus cleopatrae</i>	Males	3	Negative
15	9F	9	<i>Synosternus cleopatrae</i>	Females	9	Negative
16	9M	9	<i>Synosternus cleopatrae</i>	Males	5	Negative
17	10M	10	<i>Synosternus cleopatrae</i>	Males	8	Negative
18	11F	11	<i>Synosternus cleopatrae</i>	Females	6	Negative
19	11M	11	<i>Synosternus cleopatrae</i>	Males	4	Negative
20	12F	12	<i>Synosternus cleopatrae</i>	Females	6	Negative
21	12M	12	<i>Synosternus cleopatrae</i>	Males	6	Negative
22	13F	13	<i>Synosternus cleopatrae</i>	Females	9	Negative
23	13M	13	<i>Synosternus cleopatrae</i>	Males	9	Negative
24	16F	16	<i>Synosternus cleopatrae</i>	Females	2	Negative
25	16M	16	<i>Synosternus cleopatrae</i>	Males	1	Negative
26	17F	17	<i>Synosternus cleopatrae</i>	Females	2	Positive
27	19F	19	<i>Synosternus cleopatrae</i>	Females	1	Negative
28	19M	19	<i>Synosternus cleopatrae</i>	Males	2	Negative
29	20F	20	<i>Synosternus cleopatrae</i>	Females	3	Negative
30	21F	21	<i>Synosternus cleopatrae</i>	Females	4	Negative
31	22F	22	<i>Synosternus cleopatrae</i>	Females	4	Negative
32	23M	23	<i>Synosternus cleopatrae</i>	Males	6	Negative
33	25F	25	<i>Synosternus cleopatrae</i>	Females	5	Negative
34	27F	27	<i>Synosternus cleopatrae</i>	Females	5	Negative
35	28F	28	<i>Synosternus cleopatrae</i>	Females	2	Negative
36	28M	28	<i>Synosternus cleopatrae</i>	Males	3	Negative
37	30F	30	<i>Synosternus cleopatrae</i>	Females	2	Negative
38	30M	30	<i>Synosternus cleopatrae</i>	Males	8	Negative
39	31F	31	<i>Synosternus cleopatrae</i>	Females	8	Negative
40	32F	32	<i>Xenopsylla ramesis</i>	Females	1	Positive
41	32M	32	<i>Xenopsylla ramesis</i>	Males	3	Positive
42	33F	33	<i>Xenopsylla ramesis</i>	Females	9	Positive
43	33M	33	<i>Xenopsylla ramesis</i>	Males	6	Positive
44	34F	34	<i>Xenopsylla ramesis</i>	Females	10	Positive
45	34M	34	<i>Xenopsylla ramesis</i>	Males	5	Positive
46	39F	39	<i>Xenopsylla ramesis</i>	Females	7	Positive

47	39M	39	<i>Xenopsylla ramesis</i>	Males	5	Postive
48	40F	40	<i>Synosternus cleopatrae</i>	Females	3	Negative
49	40M	40	<i>Synosternus cleopatrae</i>	Males	10	Negative
50	41F	41	<i>Synosternus cleopatrae</i>	Females	2	Negative
51	41M	41	<i>Synosternus cleopatrae</i>	Males	7	Negative
52	42F	42	<i>Synosternus cleopatrae</i>	Females	1	Negative
53	42M	42	<i>Synosternus cleopatrae</i>	Males	9	Negative
54	43M	43	<i>Xenopsylla ramesis</i>	Males	1	Postive
55	44F	44	<i>Xenopsylla ramesis</i>	Females	2	Postive
56	44M	44	<i>Xenopsylla ramesis</i>	Males	4	Postive
57	47F	47	<i>Xenopsylla ramesis</i>	Females	5	Postive
58	47M	47	<i>Xenopsylla ramesis</i>	Males	5	Postive
59	50F	50	<i>Xenopsylla ramesis</i>	Females	3	Postive
60	50M	50	<i>Xenopsylla ramesis</i>	Males	7	Postive
61	51F	51	<i>Xenopsylla ramesis</i>	Females	2	Postive
62	51M	51	<i>Xenopsylla ramesis</i>	Males	3	Postive
63	52M	52	<i>Leptopsylla algira</i>	Males	1	Negative
64	53F	53	<i>Xenopsylla ramesis</i>	Females	2	Postive
65	53M	53	<i>Xenopsylla ramesis</i>	Males	7	Postive
66	54F	54	<i>Xenopsylla ramesis</i>	Females	2	Postive
67	54M	54	<i>Xenopsylla ramesis</i>	Males	2	Postive
68	55F	55	<i>Xenopsylla ramesis</i>	Females	10	Postive
69	55M	55	<i>Xenopsylla ramesis</i>	Males	10	Postive
70	57F	57	<i>Xenopsylla ramesis</i>	Females	10	Postive
71	57M	57	<i>Xenopsylla ramesis</i>	Males	10	Postive
72	58F	58	<i>Xenopsylla ramesis</i>	Females	4	Postive
73	58M	58	<i>Xenopsylla ramesis</i>	Males	5	Postive
74	60M	60	<i>Leptopsylla algira</i>	Males	1	Negative
75	62F	62	<i>Xenopsylla ramesis</i>	Females	3	Postive
76	62M	62	<i>Xenopsylla ramesis</i>	Males	3	Postive
77	64F	64	<i>Leptopsylla algira</i>	Females	2	Negative
78	65F	65	<i>Xenopsylla ramesis</i>	Females	4	Postive
79	65M	65	<i>Xenopsylla ramesis</i>	Males	4	Postive
80	67M	67	<i>Synosternus cleopatrae</i>	Males	4	Negative
81	68F	68	<i>Synosternus cleopatrae</i>	Females	5	Negative
82	69F	69	<i>Synosternus cleopatrae</i>	Females	4	Negative
83	69M	69	<i>Synosternus cleopatrae</i>	Males	7	Negative
84	71F	71	<i>Synosternus cleopatrae</i>	Females	1	Negative
85	71M	71	<i>Synosternus cleopatrae</i>	Males	6	Negative
86	73M	73	<i>Synosternus cleopatrae</i>	Males	6	Negative
87	74F	74	<i>Synosternus cleopatrae</i>	Females	5	Negative
88	75F	75	<i>Synosternus cleopatrae</i>	Females	10	Negative
89	75M	75	<i>Synosternus cleopatrae</i>	Males	10	Negative
90	76F	76	<i>Synosternus cleopatrae</i>	Females	10	Negative
91	77F	77	<i>Synosternus cleopatrae</i>	Females	8	Negative
92	77M	77	<i>Synosternus cleopatrae</i>	Males	10	Negative
93	80F	80	<i>Synosternus cleopatrae</i>	Females	10	Negative
94	80M	80	<i>Synosternus cleopatrae</i>	Males	3	Negative
95	82F	82	<i>Synosternus cleopatrae</i>	Females	1	Negative
96	82M	82	<i>Synosternus cleopatrae</i>	Males	4	Negative

97	83F	83	<i>Synosternus cleopatrae</i>	Females	1	Negative
98	83M	83	<i>Synosternus cleopatrae</i>	Males	3	Negative
99	84M	84	<i>Synosternus cleopatrae</i>	Males	3	Negative
100	85F	85	<i>Synosternus cleopatrae</i>	Females	2	Negative
101	85M	85	<i>Synosternus cleopatrae</i>	Males	3	Negative
102	86F	86	<i>Synosternus cleopatrae</i>	Females	2	Negative
103	86M	86	<i>Synosternus cleopatrae</i>	Males	4	Negative
104	87F	87	<i>Synosternus cleopatrae</i>	Females	1	Negative
105	87M	87	<i>Synosternus cleopatrae</i>	Males	3	Negative
106	88F	88	<i>Synosternus cleopatrae</i>	Females	3	Negative
107	89F	89	<i>Synosternus cleopatrae</i>	Females	1	Negative
108	90F	90	<i>Synosternus cleopatrae</i>	Females	1	Negative
109	90M	90	<i>Synosternus cleopatrae</i>	Males	7	Negative
110	92F	92	<i>Synosternus cleopatrae</i>	Females	6	Negative
111	92M	92	<i>Synosternus cleopatrae</i>	Males	6	Negative
112	97F	97	<i>Synosternus cleopatrae</i>	Females	7	Negative
113	120F	120	<i>Xenopsylla ramesis</i>	Females	5	Positive
114	124F	124	<i>Xenopsylla ramesis</i>	Females	8	Positive
115	124M	124	<i>Xenopsylla ramesis</i>	Males	7	Positive
116	126M	126	<i>Xenopsylla ramesis</i>	Males	1	Positive
117	127M	127	<i>Xenopsylla ramesis</i>	Males	1	Positive
118	129F	129	<i>Xenopsylla ramesis</i>	Females	1	Positive
119	129M	129	<i>Xenopsylla ramesis</i>	Males	3	Positive
120	132F	132	<i>Synosternus cleopatrae</i>	Females	1	Negative
121	132M	132	<i>Synosternus cleopatrae</i>	Males	4	Negative
122	133F	133	<i>Synosternus cleopatrae</i>	Females	1	Negative
123	133M	133	<i>Synosternus cleopatrae</i>	Males	2	Negative
124	137F	137	<i>Synosternus cleopatrae</i>	Females	1	Negative
125	139F	139	<i>Synosternus cleopatrae</i>	Females	1	Negative
126	143F	143	<i>Synosternus cleopatrae</i>	Females	1	Negative
127	159F	159	<i>Synosternus cleopatrae</i>	Females	3	Negative
128	159M	159	<i>Synosternus cleopatrae</i>	Males	2	Negative
129	164F	164	<i>Synosternus cleopatrae</i>	Females	3	Negative
130	166M	166	<i>Synosternus cleopatrae</i>	Males	1	Negative
131	167F	167	<i>Synosternus cleopatrae</i>	Females	1	Negative
132	167M	167	<i>Synosternus cleopatrae</i>	Males	1	Negative
133	168M	168	<i>Synosternus cleopatrae</i>	Males	1	Negative
134	169F	169	<i>Synosternus cleopatrae</i>	Females	2	Negative
135	169M	169	<i>Synosternus cleopatrae</i>	Males	1	Negative
136	170F	170	<i>Synosternus cleopatrae</i>	Females	2	Negative
137	172M	172	<i>Synosternus cleopatrae</i>	Males	1	Negative
138	174F	174	<i>Synosternus cleopatrae</i>	Females	2	Negative
139	174M	174	<i>Synosternus cleopatrae</i>	Males	3	Negative
140	176M	176	<i>Synosternus cleopatrae</i>	Males	3	Negative
141	177F	177	<i>Synosternus cleopatrae</i>	Females	5	Negative
142	177M	177	<i>Synosternus cleopatrae</i>	Males	2	Negative
143	178F	178	<i>Synosternus cleopatrae</i>	Females	1	Negative
144	179F	179	<i>Synosternus cleopatrae</i>	Females	1	Negative