

Table S1. Flea species parasitizing on the great gerbils

Year	No. of sueve ys	No. of great gerbil s	Flea infesta tion rate (%)	No. of fleas	Total of flea index	Proportions of individual fleas to the total flea population (%)																		
						<i>X.skrj</i>	<i>X.min</i>	<i>X.hirt</i>	<i>N.lae</i>	<i>C.lam</i>	<i>X.con</i>	<i>N.ters</i>	<i>N.turk</i>	<i>P.teret</i>	<i>P.repa</i>	<i>S.mer</i>	<i>O.kiri</i>	<i>C.doli</i>	<i>R.ced</i>	<i>M.euc</i>	<i>E.osc</i>	<i>S.con</i>	<i>E.tisc</i>	<i>S.long</i>
						<i>abin</i>	<i>ax</i>	<i>ipes</i>	<i>viceps</i>	<i>ellifer</i>	<i>formis</i>	<i>us</i>	<i>menic</i>	<i>ifrons</i>	<i>ndus</i>	<i>idiana</i>	<i>tschen</i>	<i>chus</i>	<i>estis</i>	<i>ta</i>	<i>hanini</i>	<i>specta</i>	<i>adaea</i>	<i>ispinu</i>
2005	13	258	77.9	2,032	7.88	25.5	44.4	2.7	13.7	3.0	1.0	0.2	0.0	1.9	5.4	0.4	0.0	0.8	0.7	0.1	0.1	0.0	0.0	0.0
2006	30	794	85.5	5,876	7.38	56.3	7.6	10.2	3.9	6.9	1.8	2.1	0.3	3.4	5.9	0.1	0.0	0.9	0.4	0.0	0.2	0.2	0.0	0.0
2007	3	60	78.3	368	5.82	0.3	81.0	1.6	1.6	0.0	0.5	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	2.7	0.0
2008	4	232	85.8	1,681	7.25	18.9	37.3	6.3	5.0	5.1	0.4	1.7	0.0	9.6	12.6	0.1	0.1	1.4	1.6	0.0	0.1	0.0	0.0	0.1
2009	16	496	84.3	5,373	10.83	61.6	14.4	12.3	5.7	1.3	0.3	0.0	0.0	0.9	0.0	0.0	0.0	0.1	0.2	0.0	3.4	0.0	0.0	0.0
2010	24	418	85.9	2,450	5.86	49.0	14.9	23.0	6.0	2.9	0.0	0.7	0.0	0.0	1.2	0.0	0.0	0.1	0.2	0.0	2.1	0.0	0.0	0.0
Average	14.83	376.3 3	83.0	2,963. 33	7.50	35.3	33.3	9.3	6.0	3.2	0.7	1.0	0.2	2.6	4.2	0.1	0.0	0.5	0.5	0.0	2.2	0.0	0.5	0.0