

Supplementary Data

Table S1. Relative risks of *Candidatus Neoehrlichia mikurensis* infection in rodents of different species, China.

Species	No. tested	No. (%) positive	Relative risk	<i>P</i> value
<i>Apodemus agrarius</i>	117	14 (12.0)	4.93	<0.001
<i>Apodemus sylvaticus</i>	40	5 (12.5)	3.45	0.019
<i>Apodemus chevrieri</i>	49	0	ND*	
<i>Apodemus draco</i>	7	1 (14.3)	NS [#]	
<i>Apodemus peninsulae</i>	57	5 (8.8)	NS	
<i>Eothenomys miletus</i>	22	0	ND	
<i>Eothenomys custos</i>	8	2 (25.0)	6.51	0.038
<i>Microtus clarkei</i>	17	0	ND	
<i>Microtus maximowiczii</i>	18	0	ND	
<i>Mus musculus</i>	63	0	ND	
<i>Mus pahari</i>	9	0	ND	
<i>Myodes rufocanus</i>	83	4 (4.8)	NS	
<i>Myodes rutilus</i>	19	0	ND	
<i>Niviventer confucianus</i>	52	1 (1.9)	NS	
<i>Niviventer fulvescens</i>	16	0	ND	
<i>Niviventer coxingi</i>	6	0	ND	
<i>Rattus norvegicus</i>	87	1 (1.1)	NS	
<i>Rattus flavipectus</i>	27	0	ND	
<i>Rattus losea</i>	68	0	ND	
<i>Meriones unguiculatus</i>	20	0	ND	
<i>Tamias sibiricus</i>	7	1 (14.3)	NS	
<i>Tscherskia triton</i>	49	0	ND	
Total	841	34 (4.0)		

Relative risk was calculated by comparing proportions positive for each rodent species compared with that for all other rodents, using Chi-square test or Fisher's exact test.

*ND, relative risk is <1 but is not defined due to the zero value in any one of the cells in Chi-square test or Fisher's exact test

Table S2. Detailed information of the 34 sequenced samples.

Region	Rodent species	No. positive	GenBank accession number	
			<i>groEL</i>	<i>rrs</i>
Jilin	<i>Apodemus peninsulae</i>	3	JQ359072*	JQ359055*
	<i>Apodemus agrarius</i>	11	JQ359073*	JQ359056*
	<i>Myodes rufocanus</i>	1	JQ359074*	JQ359057*
	<i>Tamias sibiricu</i>	1	JQ359075*	JQ359058*
Heilongjiang	<i>Apodemus agrarius</i>	2	KC108716*	KC108714*
	<i>Apodemus peninsulae</i>	2	KC108717*	KC108715*
	<i>Myodes rufocanus</i>	2	identical to JQ359069#	identical to JQ359052#
IMAR	<i>Myodes rufocanus</i>	1	JQ359076*	JQ359059*
Henan	<i>Apodemus agrarius</i>	1	JQ359064*	JQ359047*
	<i>Rattus norvegicus</i>	1	JQ359065*	JQ359048*
Fujian	<i>Niviventer confucianus</i>	1	JQ359063*	JQ359046*
Zhejiang	<i>Apodemus sylvaticus</i>	5	JQ359066*	JQ359049*
Yunnan	<i>Eothenomys custos</i>	2	JQ359067*	JQ359050*
	<i>Apodemus draco</i>	1	JQ359068*	JQ359051*

*GenBank accession number determined in the present study.

#GenBank accession number determined in our previous study (1).

Reference

1. **Li H, Jiang JF, Liu W, Zheng YC, Huo QB, Tang K, Zuo SY, Liu K, Jiang BG, Yang H, Cao WC.** 2012. Human infection with *Candidatus Neoehrlichia mikurensis*, China. *Emerg. Infect. Dis.* **18**:1636-1639.