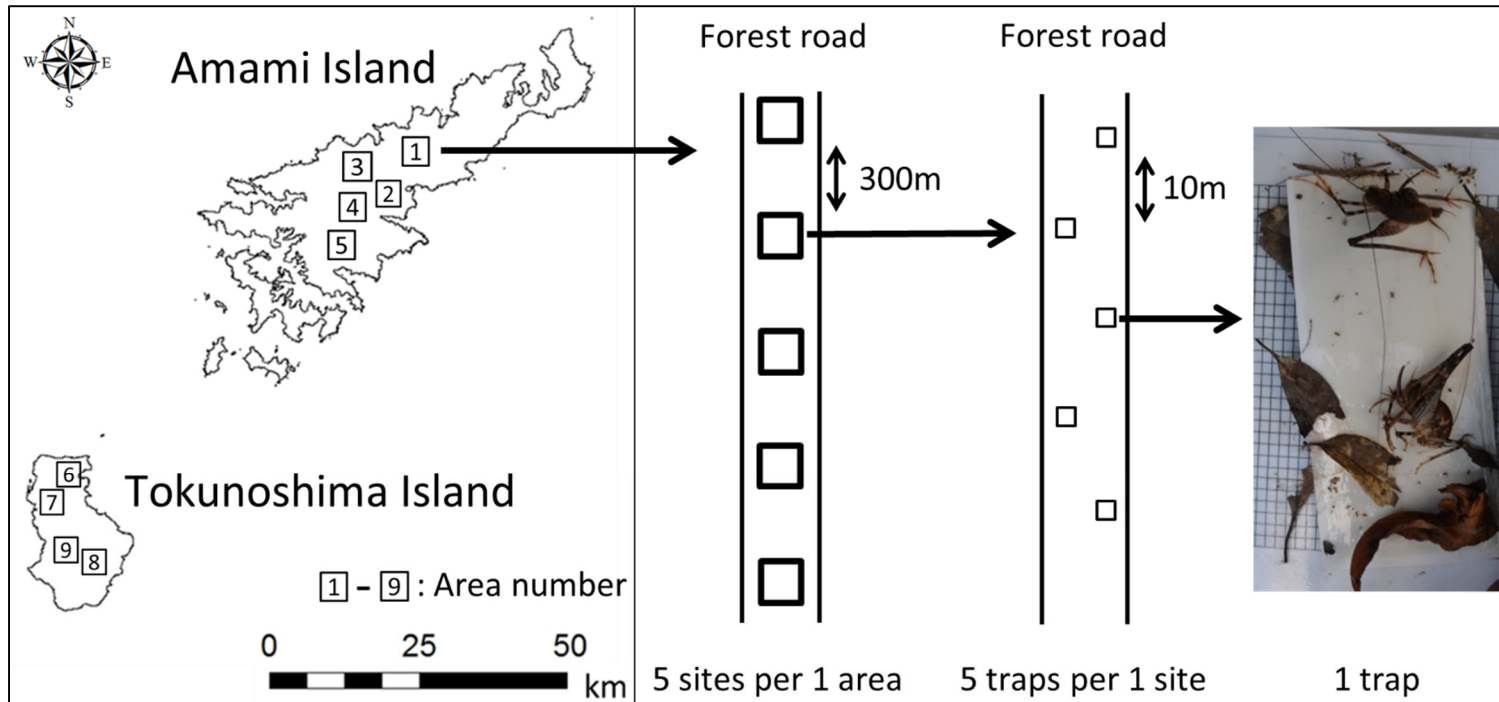


Supplementary Table S1. Trapping design to capture ground-dwelling fauna using sticky traps on Amami and Tokunoshima Islands. We set five traps along forest road 10 m apart at each site, which was placed 300 m apart in each area. One area has five sites. We conducted trapping in five areas in Amami Island and four areas in Tokunoshima Island for 3–5 days per area. Trapping areas are mainly covered by broad-leaved evergreen trees. In total, we set up 434 sticky traps on Amami Island and 370 on Tokunoshima Island.



Supplementary Table S2. Gut contents of *Babina subaspera* from Amami Island, *Odorrana amamiensis* from Amami Island and *Odorrana amamiensis* from Tokunoshima Island.

Frog	individual ID	dry weight of gut contents (g)	ln (dry weight)	taxa of gut contents			
				phylum	class	order	family
<i>B. subaspera</i>	1	0.472	-0.750	Annelida	Oligochaeta		
<i>B. subaspera</i>	1	0.025	-3.694	Arthropoda	Diplopoda		
<i>B. subaspera</i>	1	0.048	-3.037	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	1	0.050	-3.001	Arthropoda	Arachnida	Araneae	
<i>B. subaspera</i>	2	0.066	-2.714	Annelida	Oligochaeta		
<i>B. subaspera</i>	3	0.062	-2.782	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	4	0.439	-0.824	Annelida	Oligochaeta		
<i>B. subaspera</i>	4	0.661	-0.414	Arthropoda	Chilopoda	Scutigermorpha	Scutigerae
<i>B. subaspera</i>	4	0.028	-3.591	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	4	0.023	-3.777	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	5	0.021	-3.866	Arthropoda	Arachnida	Opiliones	
<i>B. subaspera</i>	5	0.032	-3.446	Arthropoda	Arachnida	Opiliones	
<i>B. subaspera</i>	5	0.003	-5.785	Arthropoda	Insecta	Hymenoptera	
<i>B. subaspera</i>	6	0.019	-3.969	Arthropoda	Diplopoda		
<i>B. subaspera</i>	6	0.177	-1.731	Mollusca	Gastropoda		
<i>B. subaspera</i>	6	0.150	-1.895	Mollusca	Gastropoda		
<i>B. subaspera</i>	7	0.062	-2.781	Arthropoda	Insecta	Hymenoptera	
<i>B. subaspera</i>	8	0.117	-2.149	Mollusca	Gastropoda		
<i>B. subaspera</i>	8	0.024	-3.718	Mollusca	Gastropoda		

<i>B. subaspera</i>	8	0.223	-1.502	Annelida	Oligochaeta		
<i>B. subaspera</i>	8	0.074	-2.610	Arthropoda	Insecta	Hemiptera	
<i>B. subaspera</i>	9	0.052	-2.961	Annelida	Oligochaeta		
<i>B. subaspera</i>	9	0.026	-3.642	Annelida	Oligochaeta		
<i>B. subaspera</i>	9	0.369	-0.996	Mollusca	Gastropoda		
<i>B. subaspera</i>	9	0.046	-3.084	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	9	0.022	-3.835	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	10	0.689	-0.372	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	10	0.480	-0.733	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	10	0.279	-1.278	Arthropoda	Chilopoda		
<i>B. subaspera</i>	11	0.434	-0.834	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	11	0.245	-1.405	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	12	0.056	-2.882	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	12	0.267	-1.320	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	12	0.431	-0.843	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	13	0.862	-0.148	Arthropoda	Chilopoda	Scutigermomorpha	Scutigeridae
<i>B. subaspera</i>	13	0.326	-1.120	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	14	0.439	-0.822	Arthropoda	Chilopoda	Scutigermomorpha	Scutigeridae
<i>B. subaspera</i>	14	0.050	-3.001	Arthropoda	Arachnida	Araneae	
<i>B. subaspera</i>	14	0.400	-0.916	Arthropoda	Insecta	Hemiptera	Cicadoidea
<i>B. subaspera</i>	14	0.177	-1.731	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	15	0.635	-0.455	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	16	0.351	-1.048	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	16	0.481	-0.733	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	16	0.011	-4.529	Arthropoda	Insecta	Hymenoptera	Formicidae
<i>B. subaspera</i>	17	0.105	-2.251	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	17	0.048	-3.032	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	17	0.000	-10.038	Arthropoda	Insecta	Hymenoptera	Formicidae
<i>B. subaspera</i>	17	0.000	-10.038	Arthropoda	Insecta	Hymenoptera	Formicidae

<i>B. subaspera</i>	21	0.346	-1.061	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	21	0.065	-2.737	Arthropoda	Insecta	Hymenoptera	Formicidae
<i>B. subaspera</i>	22	0.235	-1.449	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	22	0.606	-0.501	Mollusca	Gastropoda		
<i>B. subaspera</i>	23	0.114	-2.172	Annelida	Oligochaeta		
<i>B. subaspera</i>	23	0.013	-4.365	Annelida	Malacostraca	Isopoda	
<i>B. subaspera</i>	24	0.268	-1.317	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	25	0.041	-3.187	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	25	1.096	0.092	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	26	1.802	0.589	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	27	0.841	-0.173	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
<i>B. subaspera</i>	27	0.033	-3.410	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	28	0.334	-1.097	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	29	1.306	0.267	Arthropoda	Malacostraca	Decapoda	
<i>B. subaspera</i>	29	0.600	-0.511	Vertebrata	Reptilia	Squamata	
<i>B. subaspera</i>	30	0.196	-1.628	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	30	0.047	-3.053	Arthropoda	Chilopoda		
<i>B. subaspera</i>	30	0.041	-3.187	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	31	0.057	-2.857	Annelida	Oligochaeta		
<i>B. subaspera</i>	31	0.041	-3.187	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	32	0.020	-3.919	Annelida	Oligochaeta		
<i>B. subaspera</i>	33	0.061	-2.804	Mollusca	Gastropoda		
<i>B. subaspera</i>	34	0.537	-0.623	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	34	0.062	-2.782	Mollusca	Gastropoda		
<i>B. subaspera</i>	35	0.346	-1.060	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	35	0.421	-0.866	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	36	0.040	-3.219	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	37	0.023	-3.786	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	38	0.062	-2.774	Arthropoda	Insecta	Hymenoptera	Formicidae

<i>B. subaspera</i>	39	0.899	-0.106	Arthropoda	Insecta	Hemiptera	Cicadoidea
<i>B. subaspera</i>	40	0.614	-0.488	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
<i>B. subaspera</i>	41	0.046	-3.087	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
<i>B. subaspera</i>	41	0.215	-1.536	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	42	0.268	-1.317	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	42	0.015	-4.191	Arthropoda	Arachnida	Thelyphonida	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	43	0.360	-1.022	Vertebrata	Amphibia	Anura	
<i>B. subaspera</i>	44	0.260	-1.346	Arthropoda	Insecta	Orthoptera	
<i>B. subaspera</i>	44	0.273	-1.299	Arthropoda	Insecta	Coleoptera	
<i>B. subaspera</i>	44	0.547	-0.603	Mollusca	Gastropoda		
<i>B. subaspera</i>	44	0.157	-1.848	Annelida	Oligochaeta		
<i>B. subaspera</i>	44	0.030	-3.501	Arthropoda	Insecta	Lepidoptera	
<i>B. subaspera</i>	45	0.592	-0.524	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
<i>B. subaspera</i>	45	0.466	-0.764	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	45	0.138	-1.983	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	45	0.321	-1.135	Arthropoda	Insecta	Blattodea	
<i>B. subaspera</i>	45	0.069	-2.678	Arthropoda	Chilopoda		
<i>B. subaspera</i>	45	0.053	-2.937	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
<i>B. subaspera</i>	45	0.021	-3.860	Arthropoda	Insecta	Phasmatodea	
<i>B. subaspera</i>	45	0.135	-2.003	Annelida	Oligochaeta		
<i>B. subaspera</i>	45	0.135	-2.003	Annelida	Oligochaeta		
<i>B. subaspera</i>	45	0.135	-2.003	Annelida	Oligochaeta		
<i>B. subaspera</i>	46	0.075	-2.585	Arthropoda	Insecta	Phasmatodea	

<i>B. subaspera</i>	47	0.057	-2.857	Annelida	Oligochaeta	
<i>B. subaspera</i>	47	0.172	-1.760	Mollusca	Gastropoda	
Amami Island population of <i>O. amamiensis</i>	48	0.054	-2.919	Arthropoda	Arachnida	Opiliones
Amami Island population of <i>O. amamiensis</i>	49	0.001	-6.908	unknown		
Amami Island population of <i>O. amamiensis</i>	50	0.810	-0.211	Annelida	Oligochaeta	
Amami Island population of <i>O. amamiensis</i>	51	0.014	-4.269	unknown		
Amami Island population of <i>O. amamiensis</i>	52	0.137	-1.988	Annelida	Oligochaeta	
Amami Island population of <i>O. amamiensis</i>	52	0.085	-2.465	Arthropoda	Arachnida	Araneae
Amami Island population of <i>O. amamiensis</i>	52	0.085	-2.465	Arthropoda	Insecta	Orthoptera
Amami Island population of <i>O. amamiensis</i>	53	0.065	-2.733	Arthropoda	Insecta	Orthoptera
Amami Island population of <i>O. amamiensis</i>	53	0.065	-2.733	Arthropoda	Insecta	Orthoptera
Amami Island population of <i>O. amamiensis</i>	54	0.001	-6.908	unknown		
Amami Island population of <i>O. amamiensis</i>	55	0.028	-3.576	unknown		
Amami Island population of <i>O. amamiensis</i>	56	0.022	-3.817	Arthropoda	Insecta	Coleoptera

Amami Island population of <i>O. amamiensis</i>	57	0.180	-1.715	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	58	0.218	-1.523	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	58	0.233	-1.457	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	59	0.033	-3.411	unknown			
Amami Island population of <i>O. amamiensis</i>	60	0.026	-3.650	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	60	0.025	-3.689	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	61	0.145	-1.931	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	62	0.038	-3.270	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	62	0.069	-2.674	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	63	0.303	-1.194	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	63	0.114	-2.172	Arthropoda	Chilopoda		
Amami Island population of <i>O. amamiensis</i>	64	0.159	-1.839	Arthropoda	Chilopoda		
Amami Island population of <i>O. amamiensis</i>	65	0.001	-6.908	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	65	0.002	-6.215	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae

Amami Island population of <i>O. amamiensis</i>	65	0.025	-3.689	Arthropoda	Diplopoda		
Amami Island population of <i>O. amamiensis</i>	65	0.028	-3.576	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	66	0.013	-4.343	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	67	0.143	-1.945	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	67	0.073	-2.617	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	67	0.005	-5.298	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	68	0.061	-2.797	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	69	0.033	-3.411	unknown			
Amami Island population of <i>O. amamiensis</i>	70	0.039	-3.244	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	71	0.135	-2.002	unknown			
Amami Island population of <i>O. amamiensis</i>	72	0.018	-4.017	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	72	0.013	-4.343	unknown			
Amami Island population of <i>O. amamiensis</i>	73	0.001	-6.908	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	73	0.001	-6.908	Annelida	Malacostraca	Isopoda	

Amami Island population of <i>O. amamiensis</i>	74	0.012	-4.423	Arthropoda	Arachnida	Opiliones	
Amami Island population of <i>O. amamiensis</i>	75	0.174	-1.749	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	75	0.041	-3.194	unknown			
Amami Island population of <i>O. amamiensis</i>	76	0.147	-1.917	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	77	0.112	-2.189	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	78	0.150	-1.897	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	79	0.029	-3.540	Mollusca	Gastropoda		
Amami Island population of <i>O. amamiensis</i>	79	0.047	-3.058	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	80	0.090	-2.408	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	81	0.021	-3.863	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	81	0.001	-6.908	Arthropoda	Insecta	Blattodea	Termitidae
Amami Island population of <i>O. amamiensis</i>	82	0.641	-0.445	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	83	0.093	-2.375	unknown			
Amami Island population of <i>O. amamiensis</i>	84	0.094	-2.364	Mollusca	Gastropoda		

Amami Island population of <i>O. amamiensis</i>	84	0.072	-2.631	unknown			
Amami Island population of <i>O. amamiensis</i>	85	0.004	-5.521	unknown			
Amami Island population of <i>O. amamiensis</i>	86	0.007	-4.962	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	86	0.003	-5.809	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	87	0.129	-2.048	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	88	0.406	-0.901	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	88	0.081	-2.513	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	89	0.394	-0.931	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	90	0.001	-6.908	unknown			
Amami Island population of <i>O. amamiensis</i>	91	0.070	-2.659	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	91	0.001	-6.908	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	91	0.026	-3.650	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	91	0.001	-6.908	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	92	0.031	-3.474	unknown			

Amami Island population of <i>O. amamiensis</i>	93	0.303	-1.194	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	93	0.023	-3.772	Arthropoda	Insecta	Blattodea	
Amami Island population of <i>O. amamiensis</i>	94	0.337	-1.088	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	95	0.296	-1.217	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	96	0.006	-5.116	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	96	0.002	-6.215	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	97	0.026	-3.650	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	97	0.047	-3.058	unknown			
Amami Island population of <i>O. amamiensis</i>	98	0.059	-2.830	unknown			
Amami Island population of <i>O. amamiensis</i>	98	0.042	-3.170	unknown			
Amami Island population of <i>O. amamiensis</i>	99	0.065	-2.733	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	100	0.164	-1.808	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	100	0.088	-2.430	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	100	0.025	-3.689	unknown			

Amami Island population of <i>O. amamiensis</i>	101	0.002	-6.215	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	102	0.010	-4.605	Mollusca	Gastropoda		
Amami Island population of <i>O. amamiensis</i>	103	0.335	-1.094	Arthropoda	Insecta	Phasmatodea	
Amami Island population of <i>O. amamiensis</i>	103	0.005	-5.298	Arthropoda	Insecta	Hemiptera	
Amami Island population of <i>O. amamiensis</i>	103	0.001	-6.908	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	103	0.003	-5.809	Mollusca	Gastropoda		
Amami Island population of <i>O. amamiensis</i>	103	0.032	-3.442	Arthropoda	Insecta	Blattodea	
Amami Island population of <i>O. amamiensis</i>	104	0.063	-2.765	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	105	0.004	-5.521	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	106	0.302	-1.197	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	107	0.104	-2.263	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	108	0.512	-0.669	Arthropoda	Insecta	Phasmatodea	
Amami Island population of <i>O. amamiensis</i>	109	0.001	-6.908	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	109	0.001	-6.908	Arthropoda	Insecta	Hymenoptera	Formicidae

Amami Island population of <i>O. amamiensis</i>	109	0.009	-4.711	Arthropoda	Insecta	Lepidoptera
Amami Island population of <i>O. amamiensis</i>	110	0.098	-2.323	Annelida	Oligochaeta	
Amami Island population of <i>O. amamiensis</i>	111	0.424	-0.858	unknown		
Amami Island population of <i>O. amamiensis</i>	111	0.082	-2.501	Mollusca	Gastropoda	
Amami Island population of <i>O. amamiensis</i>	112	0.014	-4.269	Arthropoda	Insecta	Archaeognatha
Amami Island population of <i>O. amamiensis</i>	112	0.020	-3.912	unknown		
Amami Island population of <i>O. amamiensis</i>	112	0.035	-3.352	Arthropoda	Diplopoda	
Amami Island population of <i>O. amamiensis</i>	113	0.069	-2.674	Arthropoda	Insecta	Coleoptera
Amami Island population of <i>O. amamiensis</i>	113	0.080	-2.526	unknown		
Amami Island population of <i>O. amamiensis</i>	114	0.028	-3.576	unknown		
Amami Island population of <i>O. amamiensis</i>	115	0.187	-1.677	Arthropoda	Insecta	Coleoptera
Amami Island population of <i>O. amamiensis</i>	116	0.233	-1.457	Annelida	Oligochaeta	
Amami Island population of <i>O. amamiensis</i>	116	0.004	-5.521	unknown		
Amami Island population of <i>O. amamiensis</i>	117	0.202	-1.599	Arthropoda	Insecta	Coleoptera

Amami Island population of <i>O. amamiensis</i>	118	0.127	-2.064	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	118	0.328	-1.115	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	118	0.003	-5.809	unknown			
Amami Island population of <i>O. amamiensis</i>	119	0.099	-2.313	Arthropoda	Diplopoda		
Amami Island population of <i>O. amamiensis</i>	119	0.340	-1.079	Arthropoda	Insecta	Phasmatodea	
Amami Island population of <i>O. amamiensis</i>	120	0.104	-2.263	Arthropoda	Diplopoda		
Amami Island population of <i>O. amamiensis</i>	120	0.063	-2.765	unknown			
Amami Island population of <i>O. amamiensis</i>	121	0.072	-2.631	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	122	0.132	-2.025	unknown			
Amami Island population of <i>O. amamiensis</i>	123	0.265	-1.328	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	124	0.101	-2.293	unknown			
Amami Island population of <i>O. amamiensis</i>	125	0.124	-2.087	unknown			
Amami Island population of <i>O. amamiensis</i>	125	0.058	-2.847	unknown			
Amami Island population of <i>O. amamiensis</i>	126	0.260	-1.347	Arthropoda	Insecta	Orthoptera	

Amami Island population of <i>O. amamiensis</i>	127	0.056	-2.882	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	128	0.266	-1.324	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	129	0.194	-1.640	Mollusca	Gastropoda		
Amami Island population of <i>O. amamiensis</i>	130	0.004	-5.521	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	130	0.002	-6.215	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	130	0.040	-3.219	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	131	0.002	-6.215	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	131	0.005	-5.298	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	131	0.015	-4.200	Arthropoda	Insecta	Blattodea	
Amami Island population of <i>O. amamiensis</i>	131	0.001	-6.908	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	132	0.485	-0.724	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	133	0.008	-4.828	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	133	0.014	-4.269	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	134	0.207	-1.575	Annelida	Oligochaeta		

Amami Island population of <i>O. amamiensis</i>	135	0.005	-5.298	Arthropoda	Insecta	Hymenoptera	Formicidae
Amami Island population of <i>O. amamiensis</i>	135	0.038	-3.270	unknown			
Amami Island population of <i>O. amamiensis</i>	136	0.082	-2.501	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	136	0.082	-2.501	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	136	0.050	-2.996	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	137	0.011	-4.510	Arthropoda	Malacostraca	Amphipoda	
Amami Island population of <i>O. amamiensis</i>	138	0.001	-6.908	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	138	0.073	-2.617	unknown			
Amami Island population of <i>O. amamiensis</i>	139	0.012	-4.423	Arthropoda	Insecta	Lepidoptera	
Amami Island population of <i>O. amamiensis</i>	140	0.515	-0.664	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	140	0.600	-0.511	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	141	0.054	-2.919	unknown			
Amami Island population of <i>O. amamiensis</i>	142	0.001	-6.908	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	142	0.001	-6.908	Annelida	Oligochaeta		

Amami Island population of <i>O. amamiensis</i>	142	0.109	-2.216	unknown			
Amami Island population of <i>O. amamiensis</i>	143	0.001	-6.908	unknown			
Amami Island population of <i>O. amamiensis</i>	144	0.086	-2.453	unknown			
Amami Island population of <i>O. amamiensis</i>	145	0.066	-2.718	Mollusca	Gastropoda		
Amami Island population of <i>O. amamiensis</i>	145	0.011	-4.510	Arthropoda	Insecta	Diptera	Tipulidae
Amami Island population of <i>O. amamiensis</i>	145	0.005	-5.298	Arthropoda	Arachnida	Opiliones	
Amami Island population of <i>O. amamiensis</i>	146	0.126	-2.071	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	146	0.150	-1.897	Annelida	Oligochaeta		
Amami Island population of <i>O. amamiensis</i>	147	0.367	-1.002	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	148	0.012	-4.423	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	148	0.017	-4.075	unknown			
Amami Island population of <i>O. amamiensis</i>	149	0.010	-4.605	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	149	0.019	-3.963	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	150	0.013	-4.343	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae

Amami Island population of <i>O. amamiensis</i>	151	0.004	-5.521	Mollusca	Gastropoda	
Amami Island population of <i>O. amamiensis</i>	151	0.029	-3.540	unknown		
Amami Island population of <i>O. amamiensis</i>	152	0.238	-1.435	Arthropoda	Insecta	Orthoptera
Amami Island population of <i>O. amamiensis</i>	153	0.026	-3.650	Annelida	Oligochaeta	
Amami Island population of <i>O. amamiensis</i>	154	0.219	-1.519	Arthropoda	Insecta	Orthoptera
Amami Island population of <i>O. amamiensis</i>	155	0.063	-2.765	unknown		
Amami Island population of <i>O. amamiensis</i>	156	0.066	-2.718	unknown		
Amami Island population of <i>O. amamiensis</i>	157	0.020	-3.912	Arthropoda	Diplopoda	
Amami Island population of <i>O. amamiensis</i>	158	0.021	-3.863	unknown		
Amami Island population of <i>O. amamiensis</i>	159	0.024	-3.730	Arthropoda	Arachnida	Araneae
Amami Island population of <i>O. amamiensis</i>	160	0.038	-3.270	Arthropoda	Insecta	Coleoptera
Amami Island population of <i>O. amamiensis</i>	161	0.036	-3.324	unknown		
Amami Island population of <i>O. amamiensis</i>	162	0.083	-2.489	unknown		
Amami Island population of <i>O. amamiensis</i>	163	0.098	-2.323	Mollusca	Gastropoda	

Amami Island population of <i>O. amamiensis</i>	164	0.006	-5.116	unknown			
Amami Island population of <i>O. amamiensis</i>	165	0.017	-4.075	unknown			
Amami Island population of <i>O. amamiensis</i>	166	0.001	-6.908	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	166	0.001	-6.908	Arthropoda	Insecta	Orthoptera	
Amami Island population of <i>O. amamiensis</i>	167	0.004	-5.521	Arthropoda	Insecta	Blattodea	
Amami Island population of <i>O. amamiensis</i>	167	0.136	-1.995	unknown			
Amami Island population of <i>O. amamiensis</i>	168	0.001	-6.908	Arthropoda	Insecta	Blattodea	
Amami Island population of <i>O. amamiensis</i>	168	0.001	-6.908	Arthropoda	Arachnida	Araneae	
Amami Island population of <i>O. amamiensis</i>	168	0.001	-6.908	Arthropoda	Malacostraca	Amphipoda	
Amami Island population of <i>O. amamiensis</i>	169	0.191	-1.655	unknown			
Amami Island population of <i>O. amamiensis</i>	170	0.017	-4.075	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Amami Island population of <i>O. amamiensis</i>	170	0.029	-3.540	Arthropoda	Insecta	Coleoptera	
Amami Island population of <i>O. amamiensis</i>	171	0.122	-2.104	unknown			

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	172	0.167	-1.790	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	173	1.290	0.255	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	174	0.005	-5.298	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	175	0.073	-2.617	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	176	0.983	-0.017	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	177	0.498	-0.697	Annelida	Oligochaeta		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	178	0.090	-2.408	Arthropoda	Arachnida	Araneae	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	178	0.085	-2.465	Arthropoda	Diplopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	178	0.057	-2.865	Arthropoda	Insecta	Orthoptera	

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	179	0.394	-0.931	Arthropoda	Insecta	Orthoptera
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	180	0.005	-5.298	Arthropoda	Insecta	Lepidoptera
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	180	0.003	-5.809	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	181	0.150	-1.897	Arthropoda	Insecta	Blattodea
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	181	0.023	-3.772	Mollusca	Gastropoda	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	181	0.007	-4.962	Arthropoda	Arachnida	Araneae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	181	0.020	-3.912	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	182	0.018	-4.017	Arthropoda	Insecta	Orthoptera
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	182	0.016	-4.135	Arthropoda	Insecta	Orthoptera

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	182	0.008	-4.828	Arthropoda	Insecta	Hymenoptera	Formicidae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	182	0.068	-2.688	Arthropoda	Chilopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	182	0.139	-1.973	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	183	0.095	-2.354	Arthropoda	Diplopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	183	0.025	-3.689	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	184	0.005	-5.298	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	184	0.024	-3.730	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	185	0.198	-1.619	Arthropoda	Insecta	Blattodea	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	186	0.001	-6.908	unknown			

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	187	0.006	-5.116	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	188	0.323	-1.130	Arthropoda	Insecta	Coleoptera
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	188	0.060	-2.813	Arthropoda	Insecta	Coleoptera
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	188	0.183	-1.698	Annelida	Oligochaeta	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	189	0.228	-1.478	Arthropoda	Insecta	Blattodea
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	190	0.012	-4.423	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	191	0.011	-4.510	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	192	0.042	-3.170	unknown		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	193	0.010	-4.605	unknown		

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	194	1.411	0.344	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	194	0.095	-2.354	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	195	0.002	-6.215	Arthropoda	Insecta	Hemiptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	195	0.210	-1.561	Mollusca	Gastropoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	196	0.156	-1.858	Arthropoda	Insecta	Phasmatodea	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	196	0.091	-2.397	Arthropoda	Arachnida	Araneae	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	197	0.011	-4.510	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	198	1.173	0.160	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	199	0.103	-2.273	Arthropoda	Diplopoda		

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	199	0.027	-3.612	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	199	0.018	-4.017	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	200	0.512	-0.669	Annelida	Oligochaeta		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	201	0.155	-1.864	Arthropoda	Diplopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	201	0.120	-2.120	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	202	0.023	-3.772	Arthropoda	Insecta	Orthoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	202	0.013	-4.343	Arthropoda	Chilopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	202	0.011	-4.510	Arthropoda	Arachnida	Araneae	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	202	0.033	-3.411	unknown			

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	203	0.033	-3.411	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	204	0.107	-2.235	Nematomorpha	Gordioidea		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	204	0.090	-2.408	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	205	0.586	-0.534	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	206	0.200	-1.609	Arthropoda	Chilopoda	Scutigermomorpha	Scutigeridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	206	0.323	-1.130	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	207	0.212	-1.551	Arthropoda	Insecta	Orthoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	208	0.003	-5.809	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	208	0.918	-0.086	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	209	0.080	-2.526	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	210	0.105	-2.254	Annelida	Oligochaeta		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	210	0.061	-2.797	Arthropoda	Arachnida	Araneae	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	210	0.127	-2.064	unknown			
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	211	1.427	0.356	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	212	0.032	-3.442	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	212	0.015	-4.200	Arthropoda	Chilopoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	212	0.085	-2.465	Arthropoda	Arachnida	Araneae	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	212	0.033	-3.411	Arthropoda	Insecta	Orthoptera	

Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	213	0.122	-2.104	Arthropoda	Insecta	Coleoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	214	0.411	-0.889	Arthropoda	Chilopoda	Scutigermorpha	Scutigeridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	215	0.516	-0.662	Arthropoda	Chilopoda	Scutigermorpha	Scutigeridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	216	0.064	-2.749	Mollusca	Gastropoda		
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	216	0.015	-4.200	Arthropoda	Insecta	Lepidoptera	
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	217	0.626	-0.468	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	218	0.122	-2.104	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	219	0.303	-1.194	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae
Tokunoshima Island population of <i>O.</i> <i>amamiensis</i>	220	0.233	-1.457	Arthropoda	Insecta	Orthoptera	Rhaphidophoridae

Tokunoshima Island
population of *O.*
amamiensis

221

0.626

-0.468

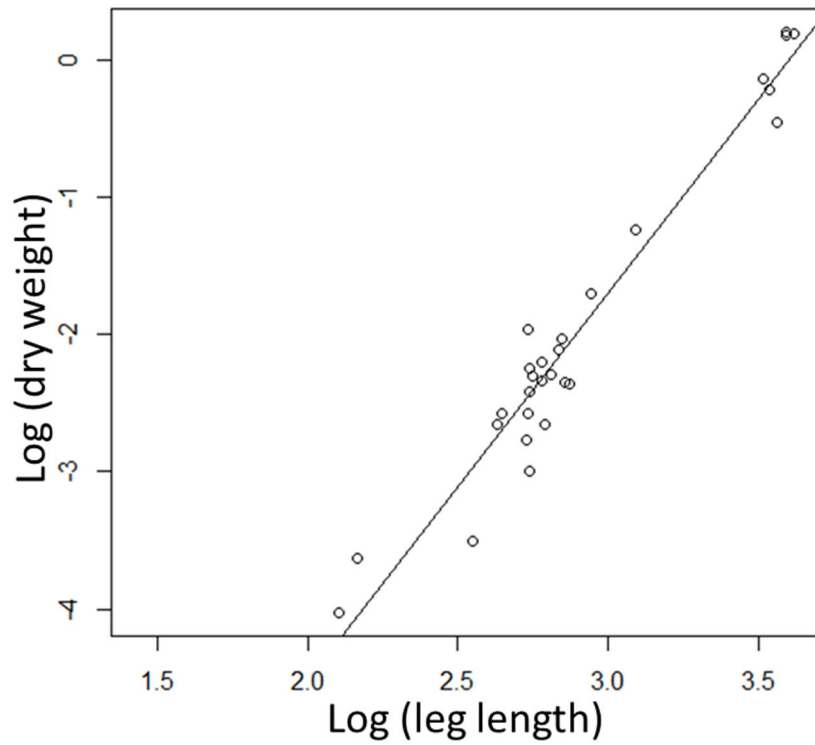
Arthropoda

Insecta

Orthoptera

Rhaphidophoridae

Supplementary Table S3. Relationship between the remnant length (i.e. leg length) and dry weight of camel crickets (*Rhaphidophoridae*) by linear regression model.



Call: lm(formula = log(dry.weight) ~ log(leg length))

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-10.1588	0.3735	-27.20	<2e-16 ***
log(hizaue.mm.)	2.8198	0.1275	22.12	<2e-16 ***

Residual standard error: 0.2679 on 26 degrees of freedom

Multiple R-squared: 0.9495, Adjusted R-squared: 0.9476

F-statistic: 489.3 on 1 and 26 DF, p-value: < 2.2e-16

Supplementary Table S4. Results of generalised linear mixed models testing the difference in dry weight of gut contents between 2 populations of *Odorrana amamiensis* from Amami and Tokunoshima Islands, respectively.

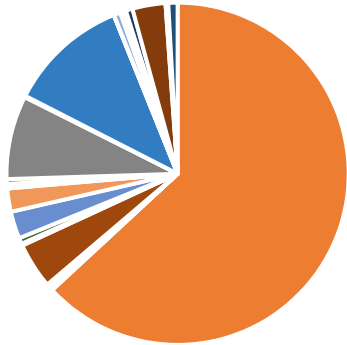
	Estimate	Std. Error	df	t value	Pr(> t)	
(Intercept)	-3.329	0.146	168.813	-22.772	< 0.001	***
Tokunoshima Island population of <i>O. amamiensis</i>	0.788	0.272	164.913	2.897	< 0.01	**

Supplementary Table S5. Results of generalised linear mixed models testing the difference in the dry weight of gut contents between *Babina subaspera* from Amami Island and the sympatric *Odorrana amamiensis* population from Amami Island and between *B. subaspera* from Amami Island and the allopatric *O. amamiensis* population from Tokunoshima Islands.

	Estimate	Std. Error	df	t value	Pr(> t)	
(Intercept)	-2.253	0.239	203.707	-9.443	< 0.001	***
Amami Island population of <i>O. amamiensis</i>	-1.067	0.285	221.093	-3.738	< 0.001	***
Tokunoshima Island population of <i>O. amamiensis</i>	-0.279	0.342	231.695	-0.814	0.416	

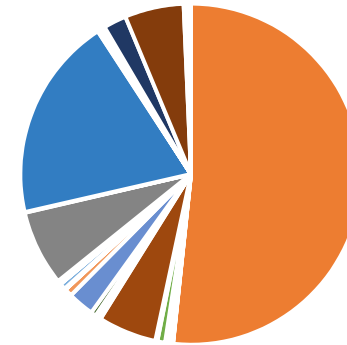
Supplementary Table S6. Ground-dwelling fauna captured using sticky traps set on Amami and Tokunoshima Islands.

number of ground dwelling fauna
in Amami Island



- | | | |
|------------------|---------------|------------|
| Formicidae | Archaeognatha | Scutigerae |
| Culicidae | Lepidoptera | Tipulidae |
| Rhaphidophoridae | Hemiptera | Decapoda |
| Mantodea | Araneae | Blattodea |
| Opiliones | Termitidae | Acari |
| Isopoda | Trichoptera | Collembola |
| Siphonaptera | Araneae | Dermaptera |
| Diptera | Hirudinea | Ligiidae |
| Oligochaeta | Lepidoptera | Chilopoda |
| Diplopoda | Amphipoda | Coleoptera |
| Orthoptera | unknown | Gastropoda |
| Squamata | | |

number of ground dwelling fauna
in Tokunoshima Island



- | | | |
|------------------|---------------|------------|
| Formicidae | Archaeognatha | Scutigerae |
| Culicidae | Lepidoptera | Tipulidae |
| Rhaphidophoridae | Hemiptera | Decapoda |
| Mantodea | Araneae | Blattodea |
| Opiliones | Termitidae | Acari |
| Isopoda | Trichoptera | Collembola |
| Siphonaptera | Araneae | Dermaptera |
| Diptera | Hirudinea | Ligiidae |
| Oligochaeta | Lepidoptera | Chilopoda |
| Diplopoda | Amphipoda | Coleoptera |
| Orthoptera | unknown | Gastropoda |
| Squamata | | |

taxa of ground dwelling fauna				number of ground dwelling	number of ground dwelling fauna
phylum	class	order	family	fauna in Amami Island	in Tokunoshima Island
Arthropoda	Insecta	Hymenoptera	Formicidae	1007	832
Arthropoda	Insecta	Archaeognatha		1	0
Arthropoda	Chilopoda	Scutigermorpha	Scutigera	4	6
Arthropoda	Insecta	Diptera	Culicidae	1	6
Arthropoda	Insecta	Lepidoptera		5	12
Arthropoda	Insecta	Diptera	Tipulidae	0	3
Arthropoda	Insecta	Orthoptera	Rhaphidophoridae	69	89
Arthropoda	Insecta	Hemiptera		3	5
Arthropoda	Malacostraca	Decapoda		0	3
Arthropoda	Insecta	Mantodea		0	1
Arthropoda	Arachnida	Araneae		9	8
Arthropoda	Insecta	Blattodea		41	40
Arthropoda	Arachnida	Opiliones		35	12
Arthropoda	Insecta	Blattodea	Termitidae	2	0
Arthropoda	Arachnida	Acari		0	2
Arthropoda	Malacostraca	Isopoda		2	9
Arthropoda	Insecta	Trichoptera		2	0
Arthropoda	Entognatha	Collembola		1	3
Arthropoda	Insecta	Siphonaptera		7	3
Arthropoda	Arachnida	Araneae		126	115
Arthropoda	Insecta	Dermaptera		2	1
Arthropoda	Insecta	Diptera		182	312
Annelida	Hirudinea			0	2
Annelida	Malacostraca	Isopoda	Ligiidae	10	0

Annelida	Oligochaeta		2	0
Arthropoda	Insecta	Lepidoptera	3	2
Arthropoda	Chilopoda		1	1
Arthropoda	Diplopoda		0	3
Arthropoda	Malacostraca	Amphipoda	3	4
Arthropoda	Insecta	Coleoptera	10	35
Arthropoda	Insecta	Orthoptera	50	90
unknown			2	4
Mollusca	Gastropoda		2	6
Vertebrata	Reptilia	Squamata	14	1