

**Supplementary material**

**Assessing alpha and beta diversities of benthic macroinvertebrates and their environmental drivers between watersheds with different levels of habitat transformation in Japan**

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**Table S1. Values of diversities and environment variables used in this study**

River watershed	SITE ID	Year	Richness	Shannon $H'$	Chlorophyll- <i>a</i>	Stream order	C-link	River depth	River width	River discharge	Water current velocity	DO	pH	Water temperature	Canopy openness
Ado River	1	2014	29	2.201	5.642	2	303	22.56	2.78	0.103	19.57	9.34	6.818	286.18	0.049
Ado River	3	2014	25	2.260	4.185	2	290	8.20	2.92	0.076	34.32	9.18	7.057	286.10	0.125
Ado River	8	2014	18	2.168	0.759	3	283	19.52	7.00	0.543	41.60	9.37	7.29	287.01	0.194
Ado River	9	2014	14	1.839	2.471	4	28	24.76	9.06	1.423	64.60	9.07	7.149	287.35	0.351
Ado River	13	2014	21	2.491	2.342	3	269	35.00	11.70	0.755	29.23	9.33	7.417	287.31	0.034
Ado River	15	2014	22	2.901	0.613	1	300	10.47	2.03	0.054	27.90	9.41	7.328	286.93	0.038
Ado River	17	2014	16	2.207	0.625	3	42	19.48	9.10	0.955	54.14	9.32	7.041	287.31	0.430
Ado River	20	2014	17	2.677	1.529	1	43	7.80	2.02	0.037	25.01	9.31	7.416	287.12	0.175
Ado River	22	2014	16	2.120	0.282	2	22	10.04	6.32	0.365	57.79	9.11	7.422	287.01	0.688
Ado River	23	2014	35	2.890	0.563	3	128	10.84	5.56	0.189	33.54	9.07	7.38	287.18	0.412
Ado River	26	2014	26	2.699	1.923	4	13	25.36	15.24	2.175	59.21	9.34	7.311	287.36	0.069
Ado River	28	2014	15	2.404	0.409	2	303	15.72	5.30	0.104	12.99	9.39	7.495	287.43	0.008
Ado River	30	2014	43	3.275	0.398	5	5	55.00	19.73	4.757	44.78	9.71	7.42	287.62	0.589
Ado River	32	2014	33	2.973	2.601	2	281	12.84	4.46	0.159	33.91	9.97	7.187	287.60	0.032
Ado River	33	2014	43	3.144	0.555	5	293	36.20	33.18	8.051	70.05	9.6	7.227	288.11	0.427
Ado River	35	2014	28	2.686	2.511	2	287	17.56	5.32	0.437	50.24	10.2	7.374	287.38	0.034
Ado River	37	2014	6	1.565	13.147	1	291	18.84	2.58	0.117	26.93	9.54	7.366	287.16	0.013
Ado River	41	2014	21	2.272	0.805	3	144	38.40	14.28	3.340	63.94	10.38	7.421	287.76	0.166
Ado River	42	2014	26	2.639	0.895	2	144	18.36	5.14	0.688	74.79	9.8	7.306	287.53	0.022
Ado River	43	2014	24	2.273	3.452	3	302	36.76	16.12	5.066	86.25	10.31	7.259	287.92	0.609
Ado River	45	2014	26	1.941	3.117	2	272	24.12	5.98	0.719	52.04	10.07	7.161	287.50	0.044
Ado River	47	2014	19	2.445	2.289	2	270	18.20	4.44	0.488	63.64	10.24	7.586	287.50	0.306
Ado River	48	2014	22	2.690	1.082	3	283	32.68	13.14	3.850	94.66	10.22	7.419	287.89	0.104
Ado River	51	2014	18	2.691	1.023	4	282	39.32	24.00	7.658	81.91	10.32	6.929	288.28	0.707
Ado River	52	2014	37	2.875	3.493	1	169	25.92	3.50	0.087	10.01	10.38	7.213	289.31	0.231
Ado River	53	2014	28	3.009	6.008	5	250	39.64	62.38	15.342	68.65	9.22	7.395	289.33	0.686
Ado River	57	2014	24	2.652	1.405	5	267	46.95	32.72	13.228	100.22	9.01	7.486	288.93	0.660
Ado River	59	2014	44	3.018	7.350	2	277	8.44	3.20	0.047	18.08	9.6	6.956	289.55	0.635
Ado River	60	2014	28	2.561	3.309	2	305	10.28	2.22	0.050	30.62	9.79	7.156	288.40	0.591
Ado River	63	2014	14	2.553	3.195	5	305	62.16	34.50	12.832	67.89	8.71	7.523	288.99	0.787
Yasu River	3	2012	17	2.467	22.883	5	1	53.64	29.20	4.881	32.31	9.25	7.129	292.49	0.633
Yasu River	8	2012	30	2.741	2.486	2	402	15.52	2.22	0.065	20.46	9.12	7.341	291.02	0.780

River watershed	SITE ID	Year	Richness	Shannon $H'$	Chlorophyll- $a$	Stream order	C-link	River depth	River width	River discharge	Water current velocity	DO	pH	Water temperature	Canopy openness
Yasu River	9	2012	12	1.155	29.123	5	29	6.56	3.82	0.052	23.31	8.89	7.299	291.14	0.780
Yasu River	10	2012	20	2.567	1.179	2	402	8.68	2.86	0.016	9.58	9.53	8.303	289.18	0.081
Yasu River	11	2012	11	2.174	40.085	2	400	8.72	1.08	0.002	3.29	8.74	7.334	291.00	0.780
Yasu River	12	2012	22	2.683	21.025	2	400	30.00	2.72	0.015	2.31	8.26	7.191	290.99	0.780
Yasu River	15	2012	27	2.554	2.398	4	42	17.84	2.20	0.119	35.21	9.28	7.789	291.10	0.633
Yasu River	21	2012	24	1.877	79.074	3	375	42.08	8.88	0.494	17.41	8.32	6.886	290.92	0.780
Yasu River	22	2012	44	2.845	1.031	3	98	29.88	3.42	0.196	20.71	9.2	7.896	290.87	0.633
Yasu River	23	2012	19	1.701	88.433	1	379	12.40	2.50	0.021	11.72	8.79	7.039	290.81	0.780
Yasu River	24	2012	33	2.661	18.931	3	110	19.12	4.00	0.240	34.16	8.93	6.969	290.96	0.603
Yasu River	28	2012	21	2.893	4.760	2	400	26.20	2.86	0.057	9.18	10.25	7.949	290.67	0.603
Yasu River	29	2012	24	2.881	3.179	1	403	14.68	3.62	0.170	33.99	9.97	7.92	289.43	0.754
Yasu River	31	2012	10	2.178	0.710	2	394	5.88	1.10	0.017	27.75	9.92	7.291	290.47	0.603
Yasu River	34	2012	17	2.570	9.105	3	305	30.00	3.28	0.235	26.80	10.02	7.333	290.74	0.693
Yasu River	35	2012	12	1.851	33.891	3	313	19.28	2.54	0.107	24.51	9.96	7.214	290.70	0.693
Yasu River	38	2012			5.030			36.56	9.50	0.670	23.55	10.81	7.587	290.61	0.633
Yasu River	39	2012	11	0.800	104.998	1	403	16.32	2.22	0.021	7.73	8.33	7.225	290.60	0.603
Yasu River	44	2012	8	1.787	32.851	2	397	26.64	4.26	0.035	3.28	9.37	7.273	290.49	0.603
Yasu River	45	2012	28	2.705	8.630	4	376	22.96	11.22	0.339	16.19	10.4	7.351	290.48	0.633
Yasu River	52	2012	20	2.837	26.672	2	402			4.458					
Yasu River	54	2012	21	2.592	9.501	4	329	26.08	30.80	2.528	32.20	8.78	7.361	290.22	0.693
Yasu River	55	2012	16	2.578	6.229	4	354	19.08	14.20	0.991	41.27	9.59	7.556	290.17	0.693
Yasu River	56	2012	10	2.254	5.046	1	403	3.96	1.18	0.004	9.91	9.47	7.389	288.61	0.081
Yasu River	57	2012	23	2.390	0.853	1	403	3.64	1.18	0.006	16.92	9.57	7.597	289.06	0.081
Yasu River	61	2012	16	2.651	0.653	4	374	17.24	7.42	0.680	54.96	9.51	7.443	288.98	0.754
Yasu River	62	2012	26	2.596	1.521	2	349	12.16	2.98	0.051	18.42	9.28		288.75	0.754
Yasu River	64	2012	24	2.058	11.160	4	356	43.52	14.50	2.264	37.80	9.19		288.60	0.754
Yasu River	70	2012	18	1.955	0.290	2	397	12.72	4.14	0.064	16.33	9.69		286.01	0.081
Yasu River	201	2012	9	2.091	0.325	3	394	9.08	6.10	0.234	46.39	9.56		286.91	0.081

**Table S2. Correlation matrix of physicochemical environmental variables**

The variables used in the final analyses are marked in bold

Variable	Stream order	<b>C-link</b>	<b>River depth</b>	River width	River discharge	<b>Water current velocity</b>	<b>Dissolved oxygen</b>	<b>pH</b>	<b>Water temperature</b>	Canopy openness
Stream order	1									
<b>C-link</b>	-0.387	1								
<b>River depth</b>	0.651	-0.188	1							
River width	0.724	-0.141	0.699	1						
River discharge	0.652	-0.093	0.714	0.920	1					
<b>Water current velocity</b>	0.512	-0.324	0.456	0.568	0.654	1				
<b>Dissolved oxygen</b>	-0.098	0.042	-0.005	-0.070	-0.042	0.283	1			
<b>pH</b>	-0.028	0.096	-0.074	-0.035	-0.004	-0.053	0.172	1		
<b>Water temperature</b>	0.165	0.218	0.096	0.006	-0.044	-0.430	-0.270	0.108	1	
Canopy openness	0.389	0.100	0.247	0.232	0.230	-0.065	-0.322	-0.042	0.719	1
<b>Chlorophyll-a</b>	-0.178	0.259	-0.021	-0.144	-0.161	-0.400	-0.514	-0.313	0.484	0.364

**Table S3. Species list of benthic macroinvertebrates in the Ado River and Yasu River watersheds**

Order	Family	Species	Ado River	Yasu River
Tricladida	Dugesiidae	<i>Dugesia japonica</i>	V	V
		<i>Girardia tigrina</i>		V
		Dugesiidae gen. sp.		
Gordioida	Chordodidae	<i>Chordodes</i> sp.	V	V
Architaenioglossa	Viviparidae	<i>Sinotaia quadrata histrica</i>		V
Discopoda	Pleuroceridae	<i>Semisulcospira libertina</i>	V	V
		<i>Semisulcospira reiniana</i>		V
		<i>Potamopyrgus antipodarum</i>		
Basommatophora	Hydrobiidae	<i>Paludinassiminea debilis</i>		V
	Assimineidae	<i>Laevapex nipponica</i>	V	V
	Ancylidae	<i>Fossaria ollula</i>		V
	Physidae	<i>Physa acuta</i>	V	V
Veneroida	Corbiculidae	<i>Corbicula</i> sp.	V	V
Haplotaxida	Haplotaxidae	Haplotaxidae gen. sp.		
Tubificida	Naididae	<i>Branchiodrilus</i> sp.		V
		<i>Branchiura sowerbyi</i>		V
		<i>Nais</i> sp.		V
		<i>Paranais</i> sp.	V	
		<i>Pristina</i> sp.		V
		Naididae gen. sp.	V	V
		Naididae gen. spp.	V	V
		Lumbricida	Lumbricidae	Lumbricidae gen. sp.
	Megascolecidae	Megascolecidae gen. sp.		V
Rhynchobdellida	Glossiphoniidae	Glossiphoniidae gen. sp.		
Arhynchobdellida	Erpobdellidae	<i>Dina lineata</i>	V	
		<i>Erpobdella octoculata</i>	V	V
		<i>Erpobdella testacea</i>		V
		Erpobdellidae gen. sp.		V
Amphipoda	Salifidae	<i>Odontobdella blanchardi</i>		
	Crangonyctidae	<i>Crangonyx floridanus</i>		V
	Gammaridae	<i>Gammarus nipponensis</i>		V
Isopoda	Asellidae	<i>Asellus hilgendorfi hilgendorfi</i>	V	V
Decapoda	Atyidae	<i>Neocaridina denticulata</i>		V
	Cambaridae	<i>Procambarus clarkii</i>		V
Ephemeroptera	Potamidae	<i>Geothelphusa dehaani</i>	V	V
	Ameletidae	<i>Ameletus</i> sp.	V	
		<i>Acentrella gnom</i>	V	V
		<i>Alainites yoshinensis</i>	V	V
		<i>Baetiella japonica</i>	V	V
		<i>Baetis sahoensis</i>	V	V
		<i>Baetis taiwanensis</i>	V	V
		<i>Baetis thermicus</i>	V	V
		<i>Baetis</i> sp. J		V
		<i>Baetis</i> sp.	V	V
		<i>Baetis</i> spp.	V	
		<i>Labiobaetis atrebatinus orientalis</i>	V	V
		<i>Nigrobaetis chocoratus</i>	V	V
		<i>Tenuibaetis parvipterus</i>		
		<i>Tenuibaetis flexifemora</i>	V	V
		Baetidae gen. sp.		V
		Baetidae gen. spp.		
Heptageniidae	<i>Ecdyonurus bajkovae</i>	V		
	<i>Ecdyonurus kibunensis</i>	V	V	
	<i>Ecdyonurus tigris</i>		V	
	<i>Ecdyonurus tobiironis</i>	V	V	
	<i>Ecdyonurus yoshidae</i>		V	
		<i>Ecdyonurus</i> sp.	V	

Order	Family	Species	Ado River	Yasu River
		<i>Epeorus curvatus</i>		V
		<i>Epeorus</i> sp.	V	V
		<i>Epeorus nipponicus</i>		V
		<i>Epeorus</i> sp.	V	
		<i>Heptagenia</i> sp.		V
		<i>Rhithrogena tetrapunctigera</i>	V	
		<i>Rhithrogena</i> sp.	V	V
	Isonychiidae	<i>Isonychia japonica</i>	V	V
	Leptophlebiidae	<i>Choroterpes altioculus</i>	V	V
		<i>Paraleptophlebia japonica</i>	V	
		<i>Paraleptophlebia</i> sp.	V	V
	Ephemeraidae	<i>Ephemera japonica</i>	V	V
		<i>Ephemera orientalis</i>		V
		<i>Ephemera strigata</i>	V	V
	Polymitarcyidae	<i>Ephoron shigae</i>		
	Potamanthidae	<i>Potamanthus formosus</i>	V	V
	Ephemerellidae	<i>Cincticostella nigra</i>		V
		<i>Cincticostella</i> sp.	V	
		<i>Drunella cryptomeria</i>		
		<i>Drunella ishiyamana</i>		
		<i>Drunella sachalinensis</i>		
		<i>Drunella</i> sp.	V	
		<i>Ephaceraella longicaudata</i>	V	
		<i>Ephemerella cornuta</i>		
		<i>Ephemerella imanishii</i>		
		<i>Ephemerella ishiwatai</i>	V	
		<i>Ephemerella setigera</i>	V	V
		<i>Torleya japonica</i>	V	V
		<i>Uracanthella punctisetae</i>	V	V
		Ephemerellidae gen. spp.		
	Caenidae	<i>Caenis</i> sp.		V
Odonata	Calopterygidae	<i>Calopteryx atrata</i>		V
	Epiophlebiidae	<i>Epiophlebia superstes</i>	V	
	Gomphidae	<i>Davidius</i> sp.		V
		<i>Nihonogomphus viridis</i>		V
		<i>Onychogomphus viridicostus</i>		V
		<i>Sieboldius albardae</i>	V	V
		<i>Sinogomphus flavolimbatus</i>	V	
		<i>Stylogomphus suzukii</i>		V
		Gomphidae gen. sp.		
	Cordulegasteridae	<i>Anotogaster sieboldii</i>	V	V
	Corduliidae	<i>Macromia amphigena amphigena</i>		
	Libellulidae	<i>Orthetrum albistylum speciosum</i>		V
Plecoptera	Capniidae	Capniidae gen. sp.	V	
	Leuctridae	Leuctridae gen. sp.	V	
	Nemouridae	<i>Amphinemura</i> sp.	V	V
		<i>Nemoura</i> sp.		V
		<i>Protonemura</i> sp.	V	V
	Peltoperlidae	<i>Microperla brevicauda</i>	V	
		Peltoperlidae gen. sp.	V	
	Chloroperlidae	Chloroperlidae gen. sp.	V	V
	Perlidae	<i>Caroperla pacifica</i>	V	V
		<i>Gibosia</i> sp.	V	
		<i>Kamimuria</i> sp.	V	V
		<i>Kiotina</i> sp.	V	
		<i>Neoperla</i> sp.	V	V
		<i>Niponiella limbatella</i>	V	
		<i>Oyamia lugubris</i>	V	
		<i>Oyamia</i> sp.		V

Order	Family	Species	Ado River	Yasu River
		<i>Paragnetina</i> sp.		V
		<i>Togoperla</i> sp.	V	V
		Perlinae gen. sp.		V
		Perlinae gen. spp.	V	
		Perlidae gen. sp.		
	Perlodidae	<i>Isoperla</i> sp.	V	
		Perlodidae gen. sp.	V	
Hemiptera	Gerridae	<i>Metrocoris histrio</i>		V
	Corixidae	<i>Micronecta</i> sp.		
	Aphelochiridae	<i>Aphelocheirus vittatus</i>	V	V
Megaloptera	Corydalidae	<i>Parachauliodes continentalis</i>	V	
		<i>Protohermes grandis</i>	V	V
	Sialidae	<i>Sialis</i> sp.		
Neuroptera	Nevrorthidae	Nevrorthidae gen. sp.		V
Trichoptera	Hydropsychidae	<i>Cheumatopsyche brevilineata</i>	V	V
		<i>Cheumatopsyche galloisi</i>	V	
		<i>Cheumatopsyche infascia</i>	V	V
		<i>Cheumatopsyche</i> sp.		V
		<i>Diplectrona</i> sp.	V	V
		<i>Hydropsyche albicephala</i>	V	V
		<i>Hydropsyche ancorapunctata</i>	V	V
		<i>Hydropsyche dilatata</i>	V	
		<i>Hydropsyche orientalis</i>	V	V
		<i>Hydropsyche setensis</i>	V	V
		<i>Hydropsyche</i> sp.	V	
		<i>Macrostemum radiatum</i>		V
	Philopotamidae	<i>Dolophilodes</i> sp.	V	V
	Polycentropodidae	<i>Plectrocnemia</i> sp.	V	
		Polycentropodidae gen. sp.	V	
	Psychomyiidae	<i>Psychomyia</i> sp.	V	V
	Stenopsychidae	<i>Stenopsyche marmorata</i>	V	V
		<i>Stenopsyche sauteri</i>	V	V
		<i>Stenopsyche</i> sp.	V	V
	Xiphocentridae	<i>Melanotrichia</i> sp.	V	
	Glossosomatidae	<i>Agapetus</i> sp.	V	V
		<i>Glossosoma</i> sp.	V	V
		<i>Glossosoma</i> spp.		
		Glossosomatidae gen. spp.		V
	Hydrobiosidae	<i>Apsilochorema sutshanum</i>	V	V
	Hydroptilidae	<i>Hydroptila</i> sp.		V
	Rhyacophilidae	<i>Rhyacophila brevicephala</i>		
		<i>Rhyacophila clemens</i>	V	
		<i>Rhyacophila kawamurae</i>	V	V
		<i>Rhyacophila lezei</i>	V	V
		<i>Rhyacophila nigrocephala</i>		V
		<i>Rhyacophila shikotsuensis</i>	V	V
		<i>Rhyacophila tranquilla</i>	V	V
		<i>Rhyacophila</i> sp.	V	V
		<i>Rhyacophila</i> spp.	V	
	Apataniidae	<i>Apatania</i> sp.	V	
	Brachycentridae	<i>Brachycentrus</i> sp.	V	
		<i>Micrasema hanasense</i>	V	
		<i>Micrasema</i> sp.		
	Goeridae	<i>Goera japonica</i>	V	V
		<i>Goera</i> sp.	V	V
		<i>Larcasia akagiae</i>	V	
	Lepidostomatidae	<i>Lepidostoma</i> sp.	V	V
	Leptoceridae	<i>Ceraclea</i> sp.	V	
		<i>Mystacides</i> sp.	V	

Order	Family	Species	Ado River	Yasu River
		<i>Trichosetodes japonicus</i>		V
		Leptoceridae gen. sp.	V	
	Limnephilidae	<i>Nothopsyche</i> sp.		
	Molannidae	<i>Molanna moesta</i>		V
	Phryganeidae	<i>Eubasilissa regina</i>	V	
	Sericostomatidae	<i>Gumaga orientalis</i>	V	V
	Uenoidae	<i>Uenoa tokunagai</i>	V	
Lepidoptera	Crambidae	<i>Potanomusa midas</i>		V
		Acentropinae gen. sp.	V	
Diptera	Tipulidae	<i>Antocha</i> sp.	V	V
		<i>Dicranota</i> sp.	V	V
		<i>Hexatoma</i> sp.	V	V
		<i>Limnophila</i> sp.		
		<i>Ormosia</i> sp.		
		<i>Tipula</i> sp.	V	V
	Psychodidae	Psychodidae gen. sp.		V
	Ceratopogonidae	Ceratopogonidae gen. sp.	V	V
		Ceratopogonidae gen. spp.		
	Chironomidae	<i>Brillia</i> sp.	V	V
		<i>Cardiocladius</i> sp.		V
		<i>Chironomus</i> sp.		V
		<i>Cladotanytarsus</i> sp.		V
		<i>Conchapelopia</i> sp.	V	V
		<i>Cryptochironomus</i> sp.	V	V
		<i>Demicryptochironomus</i> sp.		
		<i>Cryptotendipes</i> sp.		V
		<i>Diamesa</i> sp.	V	
		<i>Dicrotendipes</i> sp.		V
		<i>Eukiefferiella</i> sp.		V
		<i>Eurycnemus nozakii</i>		
		<i>Macropelopia</i> sp.		V
		<i>Metriocnemus</i> sp.		
		<i>Microtendipes</i> sp.		V
		<i>Nanocladius</i> sp.	V	
		<i>Orthocladius</i> sp.	V	V
		<i>Orthocladius</i> spp.	V	V
		<i>Pagastia</i> sp.		V
		Chironomidae gen. sp.	V	V
		Chironomidae gen. spp.	V	V
		<i>Parametriocnemus</i> sp.	V	V
		<i>Polypedilum</i> sp.	V	V
		<i>Potthastia longimana</i>	V	V
		<i>Potthastia</i> sp.	V	
		<i>Pseudorthocladius</i> sp.		V
		<i>Rheocricotopus</i> sp.	V	
		<i>Rheopelopia joganflava</i>	V	V
		<i>Rheotanytarsus</i> sp.	V	V
		<i>Stictochironomus</i> sp.		V
		<i>Tanytarsus</i> sp.	V	V
		<i>Tanytarsus</i> spp.		
		<i>Thienemanniella</i> sp.	V	V
		<i>Tvetenia</i> sp.	V	V
9	Dixidae	<i>Dixa</i> sp.		
	Simuliidae	<i>Simulium</i> sp.	V	V
	Athericidae	<i>Asuragina caeruleascens</i>		
		<i>Atherix ibis</i>	V	
		<i>Atrichops morimotoi</i>	V	V
		Athericidae gen. sp.	V	
	Stratiomyidae	Stratiomyidae gen. sp.		V

Order	Family	Species	Ado River	Yasu River
	Tabanidae	Tabanidae gen. sp.	V	
	Dolichopodidae	Dolichopodidae gen. sp.	V	V
Coleoptera	Dytiscidae	<i>Platambus pictipennis</i>		
	Hydrophilidae	<i>Laccobius oscillans</i>		V
		Hydrophilidae gen. sp.	V	
	Scirtidae	<i>Elodes</i> sp.		
		<i>Hydrocyphon</i> sp.	V	
	Elmidae	<i>Dryopomorphus</i> sp.		
		<i>Grouvellinus nitidus</i>		
		<i>Optioservus nitidus</i>	V	
		<i>Ordobrevia gotoi</i>	V	
		<i>Ordobrevia maculata</i>	V	V
		<i>Stenelmis miyamotoi</i>		
		<i>Stenelmis nipponica</i>		
		<i>Zaitzevia awana</i>		
		<i>Zaitzevia nitida</i>	V	V
		<i>Zaitzevia rivalis</i>	V	
		<i>Zaitzeviaria brevis</i>	V	V
		<i>Zaitzeviaria gotoi</i>		V
		Elminae sp.	V	V
		Elminae spp.		V
	Psephenidae	<i>Ectopria opaca opaca</i>	V	V
		<i>Eubrianax granicollis</i>	V	V
		<i>Mataeopsephus japonicus</i>		V
	Lampyridae	<i>Luciola cruciata</i>		V
	Erihynidae	<i>Lissorhoptrus oryzophilus</i>		
Acari	–	Acarina spp.	V	V