

**Evolutionary history of species of the firefly subgenus *Hotaria*  
(Coleoptera, Lampyridae, Luciolinae, *Luciola*) inferred from  
DNA barcoding data**

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**Supplementary material**

TABLE S1 Specimens and COI sequence information

Sample no.	Species	Locality	Data collected	Voucher no.	Sequence length (out of 658 bp)	Gap region	GBAn of COI	Reference
1	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2009	348	658 bp		MK778928	This study
2	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2009	349	658 bp		MK778929	This study
3	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16276	658 bp		MK778930	This study
4	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16277	658 bp		MK778931	This study
5	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16278	658 bp		MK778932	This study
6	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16279	658 bp		MK778933	This study
7	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16280	658 bp		MK778934	This study
8	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16281	658 bp		MK778935	This study
9	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16282	658 bp		MK778936	This study
10	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16283	658 bp		MK778937	This study
11	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16284	658 bp		MK778938	This study

12	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16285	658 bp	MK778939	This study
13	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16286	658 bp	MK778940	This study
14	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16287	658 bp	MK778941	This study
15	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16288	658 bp	MK778942	This study
16	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16289	641 bp	MK778943	This study
17	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	4. VI. 2015	16290	658 bp	MK778944	This study
18	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16291	658 bp	MK778945	This study
19	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16292	658 bp	MK778946	This study
20	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16293	658 bp	MK778947	This study
21	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16294	658 bp	MK778948	This study
22	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16295	658 bp	MK778949	This study
23	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16296	658 bp	MK778950	This study
24	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16297	658 bp	MK778951	This study
25	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16298	658 bp	MK778952	This study

26	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16299	658 bp		MK778953	This study
27	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16300	658 bp		MK778954	This study
28	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2015	16301	658 bp		MK778955	This study
29	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16302	658 bp		MK778956	This study
30	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16303	658 bp		MK778957	This study
31	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16304	614 bp	1-44	MK778958	This study
32	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16305	658 bp		MK778959	This study
33	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16306	658 bp		MK778960	This study
34	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16307	658 bp		MK778961	This study
35	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16308	658 bp		MK778962	This study
36	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16309	658 bp		MK778963	This study
37	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Baekyangsa, Jangseong, JN, South Korea	16. VI. 2015	16310	658 bp		MK778964	This study
38	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Mt. Hiemun, Sunchang, JB, South Korea	16. VI. 2015	16324	658 bp		MK778965	This study
39	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Banyong, Seongsu, Jinan, JB, South Korea	14. VI. 2018	20115	658 bp		MK778966	This study

40	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Bongseosa, Yongjin, Wanju, JB, South Korea	7. VI. 2018	20184	658 bp		MK778967	This study
41	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Temple Bongseosa, Yongjin, Wanju, JB, South Korea	7. VI. 2018	20185	658 bp		MK778968	This study
42	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Gotjawal, Daejeong-eup, Seoquipo, JJ, South Korea	21. VI. 2016	20948	658 bp		MK778969	This study
43	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Gotjawal, Daejeong-eup, Seoquipo, JJ, South Korea	21. VI. 2016	20949	658 bp		MK778970	This study
44	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Gotjawal, Daejeong-eup, Seoquipo, JJ, South Korea	21. VI. 2016	20950	658 bp		MK778971	This study
45	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Gotjawal, Daejeong-eup, Seoquipo, JJ, South Korea	21. VI. 2016	20951	658 bp		MK778972	This study
46	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Gotjawal, Daejeong-eup, Seoquipo, JJ, South Korea	21. VI. 2016	20952	658 bp		MK778973	This study
47	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Jucklim-ri, Sanggwan-myeon, Wanju, JB, South Korea	16. VI. 2016	20960	658 bp		MK778974	This study
48	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Jucklim-ri, Sanggwan-myeon, Wanju, JB, South Korea	16. VI. 2016	20961	658 bp		MK778975	This study
49	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Jucklim-ri, Sanggwan-myeon, Wanju, JB, South Korea	16. VI. 2016	20962	658 bp		MK778976	This study
50	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Jucklim-ri, Sanggwan-myeon, Wanju, JB, South Korea	16. VI. 2016	20963	658 bp		MK778977	This study
51	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Busan, GN, Korea, South Korea	not provided	F21	421 bp	1-237	AF485350	Choi <i>et al.</i> (2003)
52	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Busan, GN, Korea, South Korea	not provided	F31	421 bp	1-237	AF485351	Choi <i>et al.</i> (2003)
53	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Muju, CB, Korea, South Korea	not provided	F7	421 bp	1-237	AF485349	Choi <i>et al.</i> (2003)

54	<i>Luciolar (Hotaria) unmunsana</i> Doi, 1931	Muju, CB, Korea, South Korea	not provided	F5	421 bp	1-237	AF485352	Choi <i>et al.</i> (2003)
55	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Mt. Jugem, Pocheon, GG, South Korea	8. VII. 2009	336	658 bp		MK778978	This study
56	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Mt. Duta, Donghae, GW, South Korea	24. VI. 2009	1639	658 bp		MK778979	This study
57	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Nohcheon, Dongmyeon, Hongcheon, GW, South Korea	23. VI. 2015	16311	658 bp		MK778980	This study
58	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Nohcheon, Dongmyeon, Hongcheon, GW, South Korea	23. VI. 2015	16312	658 bp		MK778981	This study
59	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Nohcheon, Dongmyeon, Hongcheon, GW, South Korea	23. VI. 2015	16313	658 bp		MK778982	This study
60	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Nohcheon, Dongmyeon, Hongcheon, GW, South Korea	23. VI. 2015	16314	658 bp		MK778983	This study
61	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Osaekri, Seo-myeon, Yangyang, GW, South Korea	2. VII. 2015	16315	658 bp		MK778984	This study
62	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Osaekri, Seo-myeon, Yangyang, GW, South Korea	2. VII. 2015	16316	658 bp		MK778985	This study
63	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16317	658 bp		MK778986	This study
64	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16318	658 bp		MK778987	This study
65	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16319	658 bp		MK778988	This study
66	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16320	658 bp		MK778989	This study
67	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16321	658 bp		MK778990	This study

68	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16322	658 bp		MK778991	This study
69	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Myunggyeri, Nae-myeon, Hongcheon, GW, South Korea	1. VII. 2015	16323	658 bp		MK778992	This study
70	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20953	623 bp	1-35	MK778993	This study
71	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20954	658 bp		MK778994	This study
72	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20955	658 bp		MK778995	This study
73	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20956	658 bp		MK778996	This study
74	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20957	658 bp		MK778997	This study
75	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20958	658 bp		MK778998	This study
76	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Hangeri, Buk-myeon, Inje, GW, South Korea	21. VI. 2016	20959	658 bp		MK778999	This study
77	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Pyeongchang, GW, South Korea	not provided	F222	421 bp	1-237	AF485353	Choi <i>et al.</i> (2003)
78	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Pyeongchang, GW, South Korea	not provided	F228	421 bp	1-237	AF485354	Choi <i>et al.</i> (2003)
79	<i>Luciolar (Hotaria) papariensis</i> Doi, 1932	Yangpyeong, GG, South Korea	not provided	P1	421 bp	1-237	AF485355	Choi <i>et al.</i> (2003)
80	<i>Luciolar (Hotaria) tsushimana</i> Nakane, 1970	Tsushima, Japan	not provided	S1	421 bp	1-237	AF485359	Choi <i>et al.</i> (2003)
81	<i>Luciolar (Hotaria) tsushimana</i> Nakane, 1970	Tsushima, Japan	not provided	S2	421 bp	1-237	AF485360	Choi <i>et al.</i> (2003)



82	<i>Luciolar (Hotaria) tsushimana</i> Nakane, 1970	Tsushima, Japan	not provided	F161	421 bp	1-237	AF485357	Choi <i>et al.</i> (2003)
83	<i>Luciolar (Hotaria) tsushimana</i> Nakane, 1970	Tsushima, Japan	not provided	F177	421 bp	1-237	AF485358	Choi <i>et al.</i> (2003)
84	<i>Luciola (Hotaria) parvula</i> Kiesenwetter, 1874	Aichi, Honshu, Japan	not provided	—	658 bp		AB608763	Oba <i>et al.</i> (2011)
85	<i>Luciola (Hotaria) parvula</i> Kiesenwetter, 1874	Omogo, Shikoku, Japan	not provided	PV2	421 bp	1-237	AF485364	Choi <i>et al.</i> (2003)
86	<i>Luciola (Hotaria) parvula</i> Kiesenwetter, 1874	Omogo, Shikoku, Japan	not provided	PV1	421 bp	1-237	AF485363	Choi <i>et al.</i> (2003)
87	<i>Luciola (Hotaria) parvula</i> Kiesenwetter, 1874	Omogo, Shikoku, Japan	not provided	F171	421 bp	1-237	AF485361	Choi <i>et al.</i> (2003)
88	<i>Luciola (Hotaria) parvula</i> Kiesenwetter, 1874	Omogo, Shikoku, Japan	not provided	F174	421 bp	1-237	AF485362	Choi <i>et al.</i> (2003)
89	<i>Luciola italica</i> (Linnaeus, 1767)	Huehnergraben, Bischweier, Rastatt, Oberrheinische Tiefebene, Baden, Germany	26. VI. 2013	GBOL_Col_FK6 766	658 bp		KM448734	Hendrich <i>et al.</i> (2015)
90	<i>Luciola italica</i> (Linnaeus, 1767)	Sabotin, Nova Gorica, Nova Gorica, Dinarski kras, Severnoprimska, Slovenia	19. VI. 2013	GBOL_Col_FK6 749	613 bp	614-658	KM448530	Hendrich <i>et al.</i> (2015)
91	<i>Luciola lateralis</i> Motschulsky, 1860	Anseong, GG, South Korea	16. VI. 1998	L3	403 bp	1-237, 641-658	AF360874	Kim <i>et al.</i> (2001)
92	<i>Luciola lateralis</i> Motschulsky, 1860	Anseong, GG, South Korea	16. VI. 1998	L5	403 bp	1-237, 641-658	AF360876	Kim <i>et al.</i> (2001)
93	<i>Luciola lateralis</i> Motschulsky, 1860	Anseong, GG, South Korea	16. VI. 1998	L7	403 bp	1-237, 641-658	AF360878	Kim <i>et al.</i> (2001)
94	<i>Luciola lateralis</i> Motschulsky, 1860	Suwon, GG, South Korea	26. VI. 1999	L9	403 bp	1-237, 641-658	AF360880	Kim <i>et al.</i> (2001)

95	<i>Luciola lateralis</i> Motschulsky, 1860	Kwiesan, CB, South Korea	30. VI. 1999	L16	403 bp	1-237, 641- 658	AF360886	Kim <i>et al.</i> (2001)
96	<i>Luciola lateralis</i> Motschulsky, 1860	Kwiesan, CB, South Korea	30. VI. 1999	L17	403 bp	1-237, 641- 658	AF360887	Kim <i>et al.</i> (2001)
97	<i>Luciola lateralis</i> Motschulsky, 1860	Kwiesan, CB, South Korea	30. VI. 1999	L18	403 bp	1-237, 641- 658	AF360888	Kim <i>et al.</i> (2001)
98	<i>Luciola lateralis</i> Motschulsky, 1860	Kwiesan, CB, South Korea	30. VI. 1999	L19	403 bp	1-237, 641- 658	AF360889	Kim <i>et al.</i> (2001)
99	<i>Luciola lateralis</i> Motschulsky, 1860	Seolcheon, Muju, South Korea	10. VI. 1999	L36	403 bp	1-237, 641- 658	AF360907	Kim <i>et al.</i> (2001)
100	<i>Luciola lateralis</i> Motschulsky, 1860	Seolcheon, Muju, South Korea	10. VI. 1999	L37	403 bp	1-237, 641- 658	AF360908	Kim <i>et al.</i> (2001)
101	<i>Luciola lateralis</i> Motschulsky, 1860	Seolcheon, Muju, South Korea	10. VI. 1999	L41	403 bp	1-237, 641- 658	AF360912	Kim <i>et al.</i> (2001)
102	<i>Luciola lateralis</i> Motschulsky, 1860	Seolcheon, Muju, South Korea	10. VI. 1999	L42	403 bp	1-237, 641- 658	AF360913	Kim <i>et al.</i> (2001)
103	<i>Luciola lateralis</i> Motschulsky, 1860	Bunam, Muju, South Korea	14. VI. 1998	L45	403 bp	1-237, 641- 658	AF360916	Kim <i>et al.</i> (2001)
104	<i>Luciola lateralis</i> Motschulsky, 1860	Gurim, Samsan, Henam, JN, South Korea	21. VII. 2000	L75	403 bp	1-237, 641- 658	AF360940	Kim <i>et al.</i> (2001)
105	<i>Luciola lateralis</i> Motschulsky, 1860	Yangyang, GW, South Korea	10. VII. 2000	L84	403 bp	1-237, 641- 658	AF360941	Kim <i>et al.</i> (2001)
106	<i>Luciola lateralis</i> Motschulsky, 1860	Yangyang, GW, South Korea	10. VII. 2000	L86	403 bp	1-237, 641- 658	AF360942	Kim <i>et al.</i> (2001)
107	<i>Luciola lateralis</i> Motschulsky, 1860	Yangyang, GW, South Korea	10. VII. 2000	L87	403 bp	1-237, 641- 658	AF360943	Kim <i>et al.</i> (2001)
108	<i>Luciola lateralis</i> Motschulsky, 1860	Yangyang, GW, South Korea	10. VII. 2000	L96	403 bp	1-237, 641- 658	AF360945	Kim <i>et al.</i> (2001)

109	<i>Luciola lateralis</i> Motschulsky, 1860	Bonghwa, GB, South Korea	12. VII. 2000	L88	403 bp	1-237, 641- 658	AF360947	Kim <i>et al.</i> (2001)
110	<i>Luciola lateralis</i> Motschulsky, 1860	Bonghwa, GB, South Korea	12. VII. 2000	L91	403 bp	1-237, 641- 658	AF360948	Kim <i>et al.</i> (2001)
111	<i>Luciola lateralis</i> Motschulsky, 1860	Bonghwa, GB, South Korea	12. VII. 2000	L92	403 bp	1-237, 641- 658	AF360949	Kim <i>et al.</i> (2001)
112	<i>Luciola lateralis</i> Motschulsky, 1860	Bonghwa, GB, South Korea	12. VII. 2000	L93	403 bp	1-237, 641- 658	AF360950	Kim <i>et al.</i> (2001)
113	<i>Luciola lateralis</i> Motschulsky, 1860	Bonghwa, GB, South Korea	12. VII. 2000	L94	403 bp	1-237, 641- 658	AF360951	Kim <i>et al.</i> (2001)
114	<i>Luciola lateralis</i> Motschulsky, 1860	Mt. Unmun, Cheongdo, GB, South Korea	16. VI. 2009	350	658 bp		MK779000	in this study
115	<i>Luciola lateralis</i> Motschulsky, 1860	Yamabe, Nara, Honshu, Japan	not provided	Llat-01	658 bp		LC306678	Maeda <i>et al.</i> (2017)
116	<i>Luciola lateralis</i> Motschulsky, 1860	Kuwabara, Okazaki, Aichi, Honshu, Japan	28. V. 2004	LIm1	658 bp		AB608762	Oba <i>et al.</i> (2011)
117	<i>Luciola cruciata</i> Motschulsky, 1854	Fukuoka, Kyushu, Japan	22. V. 2008	Lcr	658 bp		AB608760	Oba <i>et al.</i> (2011)
118	<i>Luciola cruciata</i> Motschulsky, 1854	Asakura, Imabari, Ehime, Shikoku, Japan	14. VI. 2007	Lcr2	658 bp		AB608783	Oba <i>et al.</i> (2011)
119	<i>Luciola cruciata</i> Motschulsky, 1854	Miwa, Iwaki, Fukushima, Honshu, Japan	not provided	—	658 bp		AB849456	Amano <i>et al.</i> (2013)
120	<i>Luciola cruciata</i> Motschulsky, 1854	Yamabe, Nara, Honshu, Japan	not provided	Lcru-01	658 bp		LC306677	Maeda <i>et al.</i> (2017)
121	<i>Luciola cruciata</i> Motschulsky, 1854	Japan (no detail locality)	not provided	CAN_25	658 bp		MK780066	in this study
122	<i>Luciola curtithorax</i> Pic, 1928	Xiapu Town, Tongshan Country, Hubei Prov., China	13. VII. 2016	—	658 bp		MG770613	Hu and Fu (2018)
123	<i>Aquatica wuhana</i> Fu, Ballantyne & Lambkin, 2010	Wuhan City, Hubei China	not provided	—	658 bp		KX758086	Wang <i>et al.</i> (2017)
124	<i>Luciola filiformis</i> <i>yayeyamana</i> = <i>L. yayeyamana</i>	Is. Ishikagi, Okinawa, Japan	4. IV. 2004	Lfo	658 bp		AB608761	Oba <i>et al.</i> (2011)

Matsumura, 1918 (in Suzuki, 2011)

125	<i>Luciola</i> sp.	Taiwan	not provided	KSHX9	651 bp	1-7	EU009318	Stanget-Hall <i>et al.</i> (2007)
126	<i>Luciola substriata</i> Gorham, 1880	?, not provided	not provided	—	658 bp		KP313820	Mu <i>et al.</i> (2016)
127	<i>Lucidina kotbandia</i> Park and Kang, 2005*	Yeoncheon, GG, South Korea	2. VIII. 2007	YC_1	657 bp	1	MK779001	in this study
128	<i>Pyrocoelia rufa</i> (Olivier, 1886) (larva)*	Mt. Gongjack, Hongcheon, GW, South Korea	23. VI. 2015	16341	658bp		MK779002	in this study

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GN: Gyeongsangnam-do; CN: Chungchangnam-do; GG: Gyeonggi-do; S. Eu Russia: South of the European part of Russia; F: female, M: male; GBAn: GenBank accession numbers. \*Outgroup taxa.