

The hymenopterous parasitoids of the lime leaf miner *Phyllonorycter issikii* (Kumata) (Lepidoptera: Gracillariidae) from its native and invaded regions in Asian Russia

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Table S1. The specimens of *Phyllonorycter issikii* parasitoids involved into molecular genetic analysis and the related sequences borrowed from BOLD for comparison. For each specimen, Sample ID and process ID are provided linking the records in the BOLD database with the voucher specimen data.

No.	Sample ID	Species	Process ID	Country/ Ocean	State/Province	Collection Date	Collectors	GenBank Accession
Specimens sequenced in the present study								
1	NK856	<i>Achrysocharoides cilla</i>	HYMRU037-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292580
2	NK862	<i>Achrysocharoides cilla</i>	HYMRU043-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292582
3	NK874	<i>Achrysocharoides cilla</i>	HYMRU055-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292625
4	NK876	<i>Achrysocharoides cilla</i>	HYMRU057-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292602
5	NK877	<i>Achrysocharoides cilla</i>	HYMRU058-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292605
6	NK878	<i>Achrysocharoides cilla</i>	HYMRU059-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292618
7	NK881	<i>Achrysocharoides cilla</i>	HYMRU062-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292575
8	NK884	<i>Achrysocharoides cilla</i>	HYMRU065-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292631
9	NK893	<i>Achrysocharoides cilla</i>	HYMRU074-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292608
10	NK894	<i>Achrysocharoides cilla</i>	HYMRU075-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292585
11	NK897	<i>Achrysocharoides cilla</i>	HYMRU078-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292573
12	NK846	<i>Chrysocharis laomedon</i>	HYMRU027-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292609
13	NK850	<i>Chrysocharis laomedon</i>	HYMRU031-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292597
14	NK851	<i>Chrysocharis laomedon</i>	HYMRU032-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292635
15	NK861	<i>Chrysocharis laomedon</i>	HYMRU042-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292615
16	NK864	<i>Chrysocharis laomedon</i>	HYMRU045-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292587

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17	NK869	<i>Chrysocharis laomedon</i>	HYMRU050-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292626
18	NK870	<i>Chrysocharis laomedon</i>	HYMRU051-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292603
19	NK871	<i>Chrysocharis laomedon</i>	HYMRU052-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292614
20	NK872	<i>Chrysocharis laomedon</i>	HYMRU053-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292593
21	NK883	<i>Chrysocharis laomedon</i>	HYMRU064-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292600
22	NK887	<i>Chrysocharis laomedon</i>	HYMRU068-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292606
23	NK890	<i>Chrysocharis laomedon</i>	HYMRU071-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292610
24	NK891	<i>Chrysocharis laomedon</i>	HYMRU072-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292588
25	NK892	<i>Chrysocharis laomedon</i>	HYMRU073-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292624
26	NK895	<i>Chrysocharis laomedon</i>	HYMRU076-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292613
27	NK905	<i>Chrysocharis laomedon</i>	HYMRU086-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292590
28	NK907	<i>Chrysocharis laomedon</i>	HYMRU088-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292619
29	NK910	<i>Chrysocharis laomedon</i>	HYMRU091-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292601
30	NK866	<i>Cirrospilus ussuriensis</i>	HYMRU047-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292592
31	NK-20-30	<i>Colastes braconius</i>	GPRU030-21	Russia	Novosibirsk Prov.	26.VI.2020	N. Kirichenko	OP292617
32	NK906	<i>Elachertus fenestratus</i>	HYMRU087-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292622
33	NK908	<i>Elachertus fenestratus</i>	HYMRU089-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292577
34	NK-20-28	<i>Elachertus fenestratus</i>	GPRU028-21	Russia	Novosibirsk Prov.	26.VI.2020	N. Kirichenko	OP292572
35	NK859	<i>Elachertus inunctus</i>	HYMRU040-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292576
36	NK852	<i>Mischotetrastichus nadezhdae</i>	HYMRU033-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292633
37	NK-20-2	<i>Pediobius cassidae</i>	GPRU002-21	Russia	Novosibirsk Prov.	15.VII.2021	N. Kirichenko	OP292632
38	NK-20-4	<i>Pholetesor nataliae</i>	GPRU004-21	Russia	Primorskiy Terr.	15.VII.2021	N. Kirichenko	OP292636
39	NK854	<i>Pholetesor nataliae</i>	HYMRU035-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292591
40	NK855	<i>Pholetesor nataliae</i>	HYMRU036-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292583
41	NK860	<i>Pholetesor nataliae</i>	HYMRU041-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292599
42	NK873	<i>Pholetesor nataliae</i>	HYMRU054-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292634
43	NK880	<i>Pholetesor nataliae</i>	HYMRU061-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292640
44	NK885	<i>Pholetesor nataliae</i>	HYMRU066-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292620

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45	NK888	<i>Pholetesor nataliae</i>	HYMRU069-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292628
46	NK889	<i>Pholetesor nataliae</i>	HYMRU070-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292637
47	NK898	<i>Pholetesor nataliae</i>	HYMRU079-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292641
48	NK-20-31	<i>Pholetesor nataliae</i>	GPRU031-21	Russia	Primorskiy Terr.	11.VII.2021	N. Kirichenko	OP292630
49	NK858	<i>Pleurotroppopsis japonica</i>	HYMRU039-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292596
50	NK-20-27	<i>Pnigalio pectinicornis</i>	GPRU027-21	Russia	Novosibirsk Prov.	26.VII.2020	N. Kirichenko	OP292598
51	NK904	<i>Pnigalio soemius</i>	HYMRU085-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292571
52	NK909	<i>Pnigalio soemius</i>	HYMRU090-21	Russia	Novosibirsk Prov.	02.VII.2021	M. Ryazanova	OP292586
53	NK845	<i>Sympiesis gordius</i>	HYMRU026-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292595
54	NK849	<i>Sympiesis gordius</i>	HYMRU030-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292639
55	NK853	<i>Sympiesis gordius</i>	HYMRU034-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292584
56	NK865	<i>Sympiesis gordius</i>	HYMRU046-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292638
57	NK875	<i>Sympiesis gordius</i>	HYMRU056-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292578
58	NK857	<i>Sympiesis laevifrons</i>	HYMRU038-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292579
59	NK863	<i>Sympiesis laevifrons</i>	HYMRU044-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292594
60	NK867	<i>Sympiesis laevifrons</i>	HYMRU048-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292607
61	NK868	<i>Sympiesis laevifrons</i>	HYMRU049-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292623
62	NK879	<i>Sympiesis laevifrons</i>	HYMRU060-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292627
63	NK882	<i>Sympiesis laevifrons</i>	HYMRU063-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292589
64	NK886	<i>Sympiesis laevifrons</i>	HYMRU067-21	Russia	Primorskiy Terr.	07.VII.2021	N. Kirichenko	OP292612
Sequences borrowed from BOLD								
65	CLV3908	<i>Achrysocharoides cilla</i>	PEDIO149-08	England	Ascot	n/a	C. Lopez-Vaamonde	OP292581
66	LMPAR032-16	<i>Chrysocharis laomedon</i>	LMPAR032-16	Finland	n/a	n/a	M. Mutanen, P. Vaelimaeki	MZ630860
67	HM365050	<i>Euplectrus</i> sp. D2168	GBMIN8895-12	Italy	n/a	n/a	n/a	HM365050
68	BIOUG36817-D01	<i>Pnigalio pectinicornis</i>	GMBMR747-17	Belarus	Minsk	n/a	T. Lipinksaya	OP292574

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69	BC-ZSM-HYM-24123-B07	<i>Pnigalio soemius</i>	AMTPB1729-15	Germany	Bavaria	5-20.VII.2014	D. Doczkal, S. Schmidt, J. Voith	OP292629
70	CLV5108	<i>Sympiesis gordius</i>	PEDIO161-08	Japan	Hokkaido	n/a	C. Lopez- Vaamonde	OP292616
71	ZMUO.026793	<i>Colastes braconius</i>	LMPAR003-16	Finland	Aland Islands	2015	M. Mutanen, P. Vaelimaeki	MZ629242
72	BC-ZSM-HYM-24125-B12	<i>Pholetesor circumscriptus</i>	AMTPB1924-15	Germany	n/a	n/a	D. Doczkal, S. Schmidt, J. Voith	OP292604
73	ZMUO.026945	<i>Pholetesor circumscriptus</i>	LMPAR155-16	Finland	Aland Islands	2015	M. Mutanen, P. Vaelimaeki	MZ632559
74	ASGLE2-0277	<i>Pholetesor</i> sp.	ASGLE1512-10	Canada	Ontario	24-31.V.2010	A. Smith	JN288749
75	MG836447	<i>Pediobius cassidae</i>	GBAH27244-19	China	n/a	n/a	T.T. Shao	MG836447
Outgroup								
76	NK249	<i>Aulagromyza populi</i>	ISSIK113-14	Russia	Krasnoyarsk Terr.	05.VII.2012	N. Kirichenko	OP292621
77	NK261	<i>Phytomyza</i> sp.	ISSIK125-14	Russia	Primorskiy Terr.	05.VIII.2011	N. Kirichenko	OP292611