

Use of an Arboretum and DNA Barcoding for the Detection and Identification of Leaf-Mining Insects on Alien Woody Plants

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Table S3. Specimen data of leaf-mining insects collected in the Volčji Potok Arboretum (Gorenjska region, Slovenia) in the period 2022–2023 and DNA barcodes of the same species publicly available in BOLD, which were utilized for comparison in the present study*.

No.	Process ID	Species	Life stage ¹	Host plant	Country	Locality	Collection date	Collectors	GenBank accession	BIN
ORIGINAL DATA										
1	LPEST274-22	<i>Cameraria ohridella</i>	L	<i>Aesculus glabra</i>	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413692	BOLD:AAA1236
2	LPEST275-22	<i>Cameraria ohridella</i>	L	<i>Aesculus glabra</i>	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413699	BOLD:AAA1236
3	LPEST280-22	parasitoid <i>Chrysocharis</i> sp. emerged from <i>Cerodontha unisetiorbita</i>	A*	<i>Phyllostachys viridiglaucescens</i>	Slovenia	Arboretum Volcji Potok	09.VIII.2022	N. Kirichenko, S. Gomboc	OQ413691	BOLD:ADD0996
4	LPEST272-22	<i>Coptodisca lucifluella</i>	L	<i>Pterocarya fraxinifolia</i>	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413695	BOLD:AAV9339
5	LPEST271-22	<i>Coptodisca lucifluella</i>	L	<i>Pterocarya fraxinifolia</i>	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413706	BOLD:AAV9339
6	LPEST284-22	<i>Coptodisca lucifluella</i>	L	<i>Juglans regia</i>	Slovenia	Skocjanske jame	09.VIII.2022	N. Kirichenko, S. Gomboc	OQ413707	BOLD:AAV9339
7	LPEST250-22	<i>Phyllocnistis labyrinthella</i>	L	<i>Populus alba</i>	Slovenia	Arboretum Volcji Potok	09.VIII.2022	N. Kirichenko, S. Gomboc	OQ413705	BOLD:ACX5473
8	LPEST279-22	<i>Phyllocnistis ramulicola</i>	P	<i>Salix alba</i> 'Aurea'	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413704	BOLD:AAL5481
9	LPEST161-22	<i>Phyllocnistis saligna</i>	L	<i>Salix alba</i>	Slovenia	Triglavski Narodni Park	24.VII.2022	N. Kirichenko, S. Gomboc	OQ413708	BOLD:AAQ1589
10	LPEST185-22	<i>Phyllocnistis saligna</i>	P	<i>Salix</i> sp.	Slovenia	Triglavski Narodni Park	25.VII.2022	N. Kirichenko, S. Gomboc	OQ413698	BOLD:AAQ1589
11	LPEST184-22	<i>Phyllocnistis saligna</i>	P	<i>Salix</i> sp.	Slovenia	Triglavski Narodni Park	25.VII.2022	N. Kirichenko, S. Gomboc	OQ413700	BOLD:AAQ1589

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12	LPEST283-22	<i>Phyllocnistis unipunctella</i>	L	<i>Populus nigra</i>	Slovenia	Arboretum Volcji Potok	09.VIII.2022	N. Kirichenko, S. Gomboc	OQ413693	BOLD:AAD7979
13	LPEST192-22	<i>Phyllocnistis valentinensis</i>	P	<i>Salix alba</i> 'Fantasia'	Slovenia	Arboretum Volcji Potok	09.VIII.2022	N. Kirichenko, S. Gomboc	OQ413694	BOLD:AAV4829
14	LPEST282-22	<i>Phyllonorycter distentella</i>	L	<i>Quercus libani</i>	Slovenia	Arboretum Volcji Potok	05.VIII.2022	N. Kirichenko, S. Gomboc	OQ413696	BOLD:AAF6169
15	LPEST281-22	<i>Phyllonorycter issikii</i>	L	<i>Tilia cordata</i>	Slovenia	Arboretum Volcji Potok	05.VIII.2022	N. Kirichenko, S. Gomboc	OQ413702	BOLD:AAC9940
16	LPEST276-22	<i>Phyllonorycter issikii</i>	L	<i>Tilia cordata</i>	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413703	BOLD:AAC9940
17	LPEST278-22	<i>Phyllonorycter pastorella</i>	L	<i>Salix alba</i> 'Fantasia'	Slovenia	Arboretum Volcji Potok	06.VIII.2022	N. Kirichenko, S. Gomboc	OQ413709	BOLD:AAD9785
DATA BORROWED FROM BOLD										
18	MICOW283-10	<i>Cameraria ohridella</i>	L	<i>Aesculus hippocastanum</i>	Greece	Thessaly	06.VI.2008	C. Lopez-Vaamonde, S. Augustin	HM379297	BOLD:AAA1236
19	GBAH26688-19	<i>Chrysocharis</i> sp. MV-2017	—	—	Italy	—	20.VIII.2014	—	KY973633	BOLD:ADD0996
20	GBAH26689-19	<i>Chrysocharis</i> sp. MV-2017	—	—	Italy	—	20.VIII.2015	—	KY973634	BOLD:ADD0996
21	COPIN003-14	<i>Coptodisca luciflua</i>	A*	<i>Juglans regia</i>	Italy	Veneto	05.X.2012	P. Triberti	KJ427007	BOLD:AAV9339
22	GRPAL1108-13	<i>Phyllocnistis labyrinthella</i>	L	<i>Populus tremula</i>	Russia	Novosibirsk Oblast	13.VI.2012	N. Kirichenko	MG191426	BOLD:ACX5473
23	LEATH004-14	<i>Phyllocnistis labyrinthella</i>	A	—	Italy	South Tyrol	03.VI.2014	P. Huemer	MW213495	BOLD:ACX5473
24	LEAFN553-13	<i>Phyllocnistis labyrinthella</i>	P	<i>Populus canescens</i>	Netherlands	North Holland	02.IX.2012	W. Ellis	MW212825	BOLD:ACX5473
25	WOGRA324-15	<i>Phyllocnistis labyrinthella</i>	A	<i>Populus alba</i>	Netherlands	South Holland	08.X.2013	C. Doorendeerd, W. Moerland	MG191419	BOLD:ACX5473
26	FGMLK172-17	<i>Phyllocnistis labyrinthella</i>	A	—	Germany	Bavaria	30.V.2015	T. Guggemoos	MW213046	BOLD:ACX5473
27	FGMLK178-17	<i>Phyllocnistis saligna</i>	A	—	Germany	Bavaria	3.VI.2015	T. Guggemoos	MW214600	BOLD:AAQ1589
28	TIPSY384-12	<i>Phyllocnistis saligna</i>	A	—	Austria	Kaernten	14.VII.2009	C. Weizer	KX042733	BOLD:AAQ1589

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29	WOGRA502-18	<i>Phyllocnistis saligna</i>	L	<i>Salix purpurea</i>	Italy	Piedmont	30.IX.2018	E.J. van Nieukerken	MW212472	BOLD:AAQ1589
30	GRPAL1356-13	<i>Phyllocnistis ramulicola</i>	A*	<i>Salix melanopsis</i>	Czech Rep.	Brno	30.X.2012	A. Lastuvka	MW211847	BOLD:AAL5481
31	PHLAD379-11	<i>Phyllocnistis ramulicola</i>	A	—	France	Provence-Alpes-Cote d'Azur	02.X.2004	J. Nel	KX042734	BOLD:AAL5481
32	GRPAL1357-13	<i>Phyllocnistis ramulicola</i>	A*	<i>Salix pentandra</i>	Czech Rep.	Brno	30.X.2012	A. Lastuvka	MW213069	BOLD:AAL5481
33	GRACI603-10	<i>Phyllocnistis ramulicola</i>	A*	<i>Salix cinerea</i>	UK	Hampshire	05.IX.2009	J. Langmaid	HM902824	BOLD:AAL5481
34	WOGRA491-18	<i>Phyllocnistis ramulicola</i>	L	<i>Salix atrocinerea</i>	France	Pays de la Loire	07.X.2017	E.J. van Nieukerken, S. Richter	MW213719	BOLD:AAL5481
35	WOGRA455-17	<i>Phyllocnistis unipunctella</i>	A*	<i>Populus balsamifera</i>	Russia	Transbaikalia, Chita	11.VIII.2015	N. Kirichenko	OQ413701	BOLD:ACI4050
36	MICRU040-15	<i>Phyllocnistis unipunctella</i>	L	<i>Populus x balsamifera</i>	Russia	Buryatiya Rep.	10.VIII.2015	N. Kirichenko	MG191424	BOLD:ACI4050
37	WOGRA422-16	<i>Phyllocnistis unipunctella</i>	L	<i>Populus</i>	Japan	Hokkaido-chiho	21.IX.2013	C. Doorendeerd, C. van den Berg	OQ413697	BOLD:ADA1533
38	LEASV200-19	<i>Phyllocnistis unipunctella</i>	A	—	Austria	Carinthia	15.VIII.2018	C. Wieser	MW214113	BOLD:AAD7979
39	WOGRA519-20	<i>Phyllocnistis valentinensis</i>	L	<i>Salix alba</i>	Netherlands	Gelderland	12.IX.2019	E.J. van Nieukerken	MW214267	BOLD:AAY4829
40	GPRU043-21	<i>Phyllocnistis valentinensis</i>	L	<i>Salix</i> sp.	Slovenia	Skocjanski zatok	29.IX.2019	N. Kirichenko, S. Gomboc	OP270616	BOLD:AAY4829
41	GRPAL1361-13	<i>Phyllocnistis xenia</i>	A*	<i>Populus alba</i>	Czech Rep.	Olomouc	30.IX.2012	A. Lastuvka	MW211910	BOLD:ACX5473
42	GRPAL1360-13	<i>Phyllocnistis xenia</i>	A*	<i>Populus alba</i>	Slovakia	Kuty	30.IX.2012	A. Lastuvka	MW211974	BOLD:ACX5473
43	GRSLO056-10	<i>Phyllonorycter distentella</i>	A	—	Slovenia	Karst	21.V.2004	H. Deutsch	JF848207	BOLD:AAF6169
44	ISSIK317-14	<i>Phyllonorycter issikii</i>	A*	<i>Tilia maximowicziana</i>	Japan	Hokkaido	13.IX.2014	K. Tokashi	KX818397	BOLD:AAC9940
45	GRSLO514-11	<i>Phyllonorycter pastorella</i>	A	—	Austria	Tyrol	31-Mar-2005	H. Deutsch	JN280339	BOLD:AAD9785

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OUTGROUP										
46	ISSIK127-14	<i>Trachys minutus</i>	L	<i>Salix fragilis</i>	Russia	Novosibirsk Oblast	11.VII.2012	N. Kirichenko	MH407687	BOLD:AAO4465
47	ISSIK131-14	<i>Isochnus sequensi</i>	L	<i>Populus balsamifera</i>	Russia	Krasnoyarsk Krai	17.VII.2011	N. Kirichenko	MH407691	BOLD:ACA3052

* The process ID is provided for all specimens linking the records with the voucher specimen data in the BOLD database.

¹Life stage: L – larva, P – pupa, A – adult (*reared or found sealed in the leaf mine); — no data available.