

Table S1. A list of 16S *rRNA* sequences imported from GenBank. See Figure 1 for abbreviations of *N. leucodon* chromosomal forms and their sampling localities (letters in parentheses).

GenBank ID	Sampling Locality*	Species/Chromosomal Form	2n/NF	Reference
HQ652170	Mezőtúr, HU	<i>N. leucodon/ hun</i> (d)	48/84	Hadid et al. 2012
HQ652165	Šušara, RS	<i>N. leucodon/ hun</i> (d)	48/84	Hadid et al. 2012
HQ652155	Józsa, HU	<i>N. leucodon/ tra</i> (e)	50/84	Hadid et al. 2012
HQ652173	isolate 915	<i>N. leucodon/ tra</i> (e)	50/84	Hadid et al., 2012
HQ652171	Subotička Peščara, RS	<i>N. leucodon/ msy</i> (f)	54/86	Hadid et al. 2012
HQ652168	isolate 6063	<i>N. leucodon/ msy</i> (f)	54	Hadid, Y. 2010
HQ652174	Lipnița, RO	<i>N. leucodon/ sre</i> (s)	48/78	Hadid et al. 2012
HQ652152	Kars Arpaçay, TR	<i>N. xanthodon</i>	50	Hadid et al. 2012
HQ652184	Karaman, TR	<i>N. xanthodon</i>	60	Hadid et al. 2012
HQ652189	Sarikamiş, TR	<i>N. xanthodon</i>	50	Hadid et al. 2012
HQ652185	Konya, TR	<i>N. xanthodon</i>	62	Hadid et al. 2012
HQ652176	Ankara, TR	<i>N. xanthodon</i>	62	Hadid et al. 2012
HQ652180	Beyşehir, TR	<i>N. xanthodon</i>	40	Hadid et al. 2012
HQ652181	Denizili, TR	<i>N. xanthodon</i>	60	Hadid et al. 2012
HQ652187	Malatya, TR	<i>N. xantodon/ vasvarii</i>	60	Hadid et al. 2012
HQ652179	Bingöl, TR	<i>N. xantodon/ tuncelicus</i>	54	Hadid et al. 2012
HQ652154	Alma, IL	<i>N. ehrenbergi/ galili</i>	52	Hadid et al. 2012
HQ652153	Alma, IL	<i>N. ehrenbergi/ galili</i>	52	Hadid et al. 2012
HQ652160	KBZ, IL	<i>N. ehrenbergi/ galili</i>	52	Hadid et al. 2012
HQ652161	Alma, IL	<i>N. ehrenbergi/ galili</i>	52	Hadid et al. 2012
HQ652167	KBZ, IL	<i>N. ehrenbergi/ galili</i>	52	Hadid et al. 2012
HQ652164	Mt. Hermon, IL	<i>N. ehrenbergi/ golani</i>	54	Hadid et al. 2012

HQ652166	El Al, IL	<i>N. ehrenbergi/ golani</i>	54	Hadid et al. 2012
HQ652169	Quenetra, IL	<i>N. ehrenbergi/ golani</i>	54	Hadid et al. 2012
HQ652177	Anza, IL	<i>N. ehrenbergi/ judaei</i>	60	Hadid et al. 2012
HQ652186	Lahav, IL	<i>N. ehrenbergi/ judaei</i>	60	Hadid et al. 2012
JN571137	Muhraka, IL	<i>N. ehrenbergi/ carmeli</i>	58	Hadid et al. 2012
NC020756	Mt Carmel, IL	<i>N. ehrenbergi/ carmeli</i>	58	Hadid et al. 2012
HQ652192	Iași, RO	<i>S. graecus graecus</i>	62	Hadid, Y. 2010
HQ652193	Kherson, UA	<i>S. arenarius</i>	62	Hadid, Y. 2010
HQ652172	Novomoszkovsz, UA	<i>S. microphthalmus</i>	60	Hadid, Y. 2010
KM434232	-	<i>R. sinensis</i>		Xu et al. 2014
NC026124	-	<i>R. sinensis</i>		Xu et al. 2014

* ISO country code

Table S2: A list of *MT-CYTB* sequences imported from GenBank. See Figure 1 for abbreviations of *N. leucodon* chromosomal forms and their sampling localities (letters in parentheses).

GenBank ID	Sampling Locality*	Species/Chromosomal Form	2n/NF	Reference
JX451841	Čemerno, BA	<i>N. leucodon/ her</i> (b)	54/90	Kryštufek et al. 2012
JX451833	Jahorina Mt. BA	<i>N. leucodon/ her</i> (b)	54/90	Kryštufek et al. 2012
MN497966	Deliblato, RS	<i>N. leucodon/ hun</i> (d)	48/84	Nemeth et al. 2020
JX451843	Grebenac, RS	<i>N. leucodon/ hun</i> (d)	48/84	Kryštufek et al. 2012
JX451842	Grebenac, RS	<i>N. leucodon/ hun</i> (d)	48/84	Kryštufek et al. 2012
JN656385	Hajdúbagos, HU	<i>N. leucodon/ tra</i> (e)	50/84	Nemeth et al. 2013
MN497974	Debrecen, HU	<i>N. leucodon/ tra</i> (e)	50/84	Nemeth et al. 2020
MN497973	Hajdúhadház, HU	<i>N. leucodon/ tra</i> (e)	50/84	Nemeth et al. 2020
MN497972	Apahida, RO	<i>N. leucodon/ tra</i> (e)	50/84	Nemeth et al. 2020
MN497971	Józsa, HU	<i>N. leucodon/ tra</i> (e)	50/84	Nemeth et al. 2020

JN656390	Kelebia, RS	<i>N. leucodon/ msy</i> (f)	54/86	Nemeth et al. 2013
JN656389	Stražilovo, RS	<i>N. leucodon/ msy</i> (f)	54/86	Nemeth et al. 2013
JN656386	Čortanovci, RS	<i>N. leucodon/ msy</i> (f)	54/86	Nemeth et al. 2013
JX451840	Galičica, MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451839	Galičica, MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451838	Pelister Mt. MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451837	Pelister Mt. MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451836	Pelister Mt. MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451835	Bistra Mt. MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
JX451834	Bistra Mt. MK	<i>N. leucodon/ mak</i> (h)	52/86	Kryštufek et al. 2012
MH300079	Eceabat, Canakkale, TR	<i>N. leucodon/ tur</i> (r)	56/76-78	Matur et al. 2018
FJ656300	Kırklareli, TR	<i>N. leucodon/ tur</i> (r)	56/76-78	Sözen et al. 2016
MH300078	Eceabat, Canakkale, TR	<i>N. leucodon/ tur</i> (r)	56/76-78	Matur et al. 2018
FJ656301	Kırklareli, TR	<i>N. leucodon/ tur</i> (r)	56/76-78	Sözen et al. 2016
FJ656299	Kırklareli, TR	<i>N. leucodon/ tur</i> (r)	56/76-78	Sözen et al. 2016
JN656388	Odesa, UA	<i>N. leucodon/ leu</i> (t)	56/84	Nemeth et al. 2013
FJ656285	Balıkesir, TR	<i>N. xanthodon</i>	2n38	Sözen et al. 2016
FJ656298	Kastamonu, TR	<i>N. xanthodon</i>	2n60	Sözen et al. 2016
FJ656297	Karabük, TR	<i>N. xanthodon</i>	2n60	Sözen et al. 2016
FJ656296	Kütahya, TR	<i>N. xanthodon</i>	2n60	Sözen et al. 2016
FJ656295	Kütahya, TR	<i>N. xanthodon</i>	2n60	Sözen et al. 2016
FJ656280	Aydın, TR	<i>N. xanthodon</i>	2n36	Sözen et al. 2016
FJ656279	Aydın, TR	<i>N. xanthodon</i>	2n36	Sözen et al. 2016
FJ656294	Isparta, TR	<i>N. xanthodon</i>	2n56	Sözen et al. 2016
FJ656292	Isparta, TR	<i>N. xanthodon</i>	2n56	Sözen et al. 2016

FJ656264	Isparta, TR	<i>N. xanthodon</i>	2n40	Sözen et al. 2016
FJ656263	Gökçeada, TR	<i>N. xanthodon</i>	2n38	Sözen et al. 2016
NC020756	Carmel Mt, IL	<i>N. carmeli</i>	58	Hadid et al. 2012
JN571137	Carmel Mt, IL	<i>N. carmeli</i>	58	Hadid et al. 2012
JN571136	Judean Mt, IL	<i>N. judaei</i>	60	Hadid et al. 2012
JN571135	Judean Mt, IL	<i>N. judaei</i>	60	Hadid et al. 2012
JN571134	Golan Heights, IL	<i>N. golani</i>	54	Hadid et al. 2012
NC020757	Golan Heights, IL	<i>N. golani</i>	54	Hadid et al. 2012
JN571130	Galilee Mt, IL	<i>N. galili</i>	52	Hadid et al. 2012
JN571129	Galilee Mt, IL	<i>N. galili</i>	52	Hadid et al. 2012
KF021261	Krivij Rig, UA	<i>S. zemni</i>	62	Nemeth et al. 2013
KF021259	Novomoszkovsz, UA	<i>S. microphthalmus</i>	60	Nemeth et al. 2013
KF021258	Novomoszkovsz, UA	<i>S. microphthalmus</i>	60	Nemeth et al. 2013
KF021262	Kherson, UA	<i>S. arenarius</i>	62	Nemeth et al. 2013
KF021257	Sândulești, RO	<i>S. antiquus</i>	62	Nemeth et al. 2013
KF021256	Aiton, RO	<i>S. antiquus</i>	62	Nemeth et al. 2013
KF021253	Dealul lui Dumnezeu, RO	<i>S. graecus</i>	62	Nemeth et al. 2013
KF021252	David Valley, RO	<i>S. graecus</i>	62	Nemeth et al. 2013
M434232	/	<i>R. sinensis</i>	/	Xu et al. 2014
C026124	/	<i>R. sinensis</i>	/	Xu et al. 2014

* ISO country code

Table S3: Primer sequences applied in the analysis.

Primer Name	Primer Sequence (5'–3')	Reference
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1CB-IF	ATATTTACATGCCAACGGAG	Newly designed
1CB-IR	ATCATTGAGGTTTGATGTGT	Newly designed
1CB-F	TCAACATGATGAAACTTCGG	Modified from [48]
1CB-R	ACTGGCTGCCCCGCCGATTCA	Modified from [48]
CYB1-F	TGACATGAAAAATCATCGTTG	Modified from [48]
CYB2-R	TCAAAATGATATTTGTCCTCA	Newly designed
CYB1-NF	GTAAATCACACCCCCTAATCA	Modified from [49]
CYB2-NR	GAACATATCCTATAAATGCG	Modified from [49]
CYB 2-F	AGCATCTCAACATGATGAAA	Modified from [49]
CYB 1-R	CATTTCTGGTTTACAAGAC	Modified from [49]
16 Sar	CGCCTGTTTATCAAAAACAT	Universal
16 SBR OiR	CCGGTCTGAACTCAGATCACGT	Universal
16S-A In-F	TGACTGTGCAAAGGTAGC	Universal

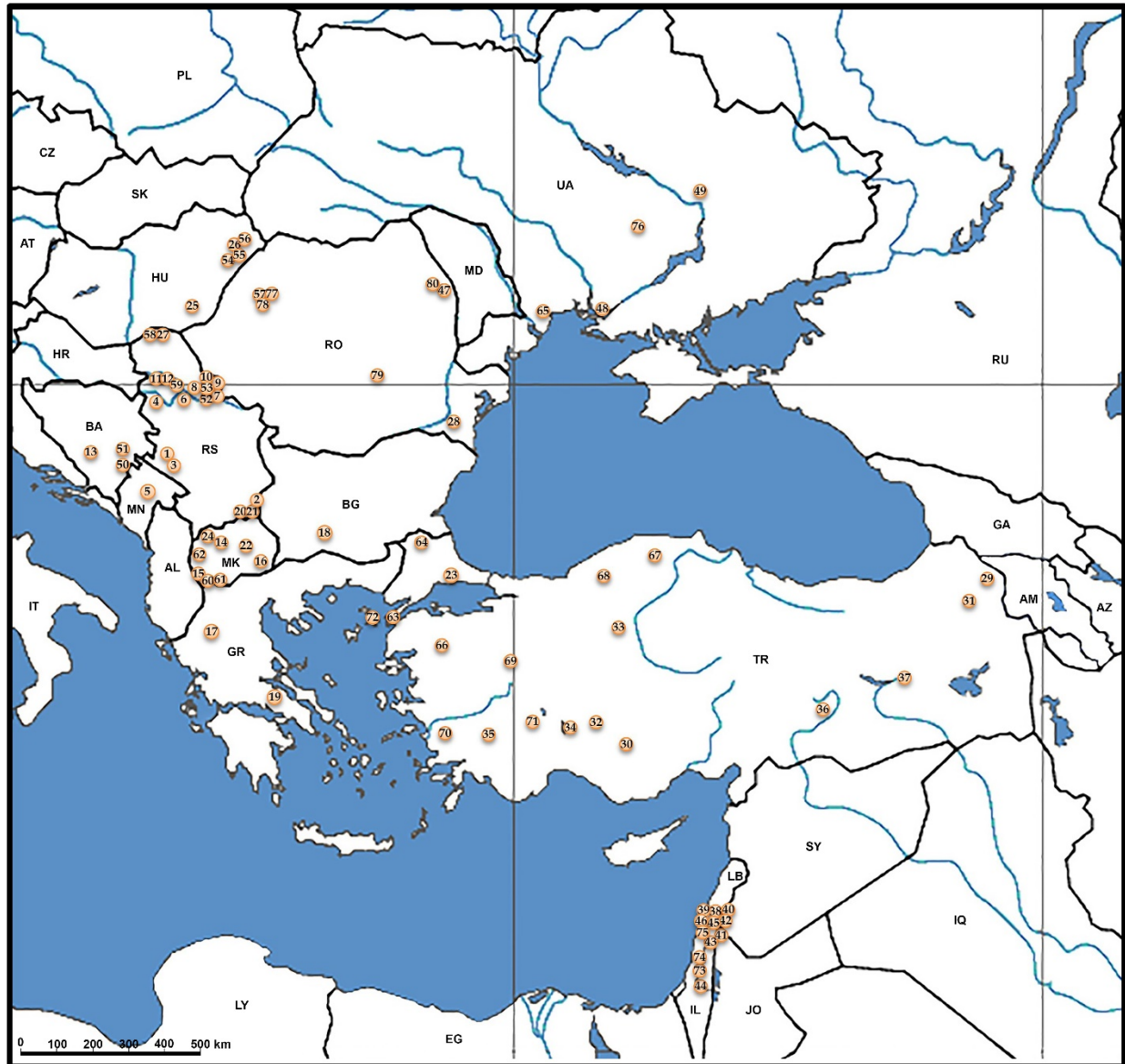


Figure S1. Geographic distribution of sampling localities of all specimens (sequences) analysed in this study.