

Evidence for Plio-Pleistocene Duck Mussel Refugia in the Azov Sea River Basins

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- Page 3 Table S1: List of sequences used in this study, including the species, the location and NCBI's GenBank accession numbers.

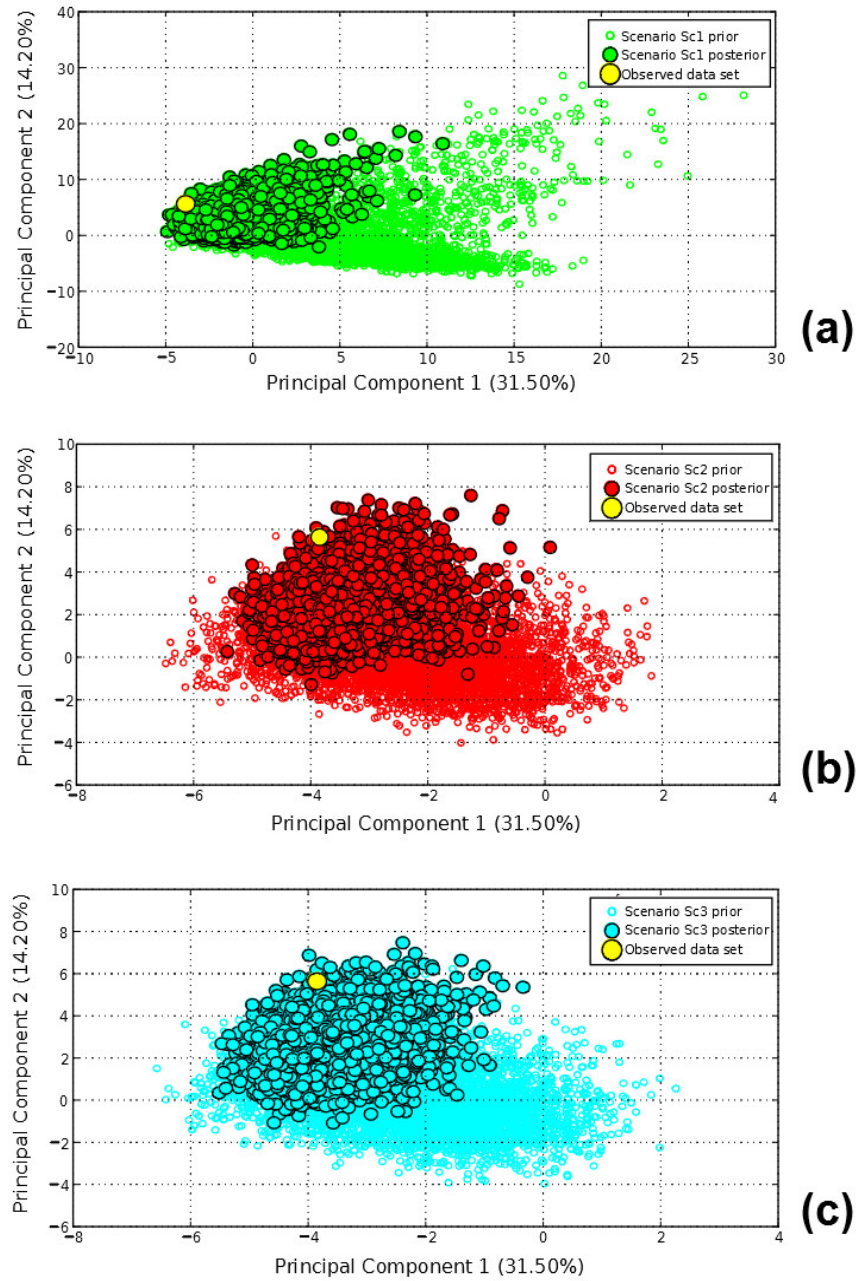


Figure S1. Test results of biogeographical Scenarios Sc1, Sc2 and Sc3 concerning origin of *Anodonta anatina* populations under an ABC framework using the COI gene sequences. Model checking to measure a mismatch between the parameters of posterior combination and observed data sets in Scenarios Sc1 (a), Sc2 (b) and Sc3 (c). A description of basic assumptions with prior settings for each scenario is presented in Table 1.

Table S1. List of sequences used in this study, including the species, the location and NCBI's GenBank accession numbers.

Taxa	Code	Clade	Locality	COI	Reference
<i>Anodonta anatina</i> (Linnaeus, 1758)	biv156_1	EUR	Russia: European part, Nenets Autonomous Okrug, Indiga River (67.5012° N, 49.3144° E), Barents Sea drainage	KY328448	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv156_2	EUR	Russia: European part, Nenets Autonomous Okrug, Indiga River (67.5012° N, 49.3144° E), Barents Sea drainage	KY328449	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv156_3	EUR	Russia: European part, Nenets Autonomous Okrug, Indiga River (67.5012° N, 49.3144° E), Barents Sea drainage	KY328450	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv156_4	EUR	Russia: European part, Nenets Autonomous Okrug, Indiga River (67.5012° N, 49.3144° E), Barents Sea drainage	KY328451	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv156_5	EUR	Russia: European part, Nenets Autonomous Okrug, Indiga River (67.5012° N, 49.3144° E), Barents Sea drainage	KY328452	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv157_1	EUR	Russia: European part, Republic of Kalmykia, Lake Lagansky Ilmen (45.3865° N, 47.3427° E), Volga Basin, Caspian Sea drainage	KY328453	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv157_2	EUR	Russia: European part, Republic of Kalmykia, Lake Lagansky Ilmen (45.3865° N, 47.3427° E), Volga Basin, Caspian Sea drainage	KY328454	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv158_1	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Kiron (55.9550° N, 110.7073° E), Lake Baikal Basin, Kara Sea drainage	KY328455	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv158_2	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Kiron (55.9550° N, 110.7073° E), Lake Baikal Basin, Kara Sea drainage	KY328456	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv158_3	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Kiron (55.9550° N, 110.7073° E), Lake Baikal Basin, Kara Sea drainage	KY328457	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv162	EUR	Russia: European part, Vologda Region, Yug River (60.4670° N, 46.5041° E), Northern Dvina Basin, White Sea drainage	KY328458	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv164_1	EUR	Russia: European part, Arkhangelsk Region, Onega River (63.8296° N, 38.4573° E), White Sea drainage	KY328459	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv168_1	EUR	Russia: European part, Arkhangelsk Region, Lake Udelnoe (63.5080° N, 41.6216° E), Northern Dvina Basin, White Sea drainage	KY328460	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv168_2	EUR	Russia: European part, Arkhangelsk Region, Lake Udelnoe (63.5080° N, 41.6216° E), Northern Dvina Basin, White Sea drainage	KY328461	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv168_3	EUR	Russia: European part, Arkhangelsk Region, Lake Udelnoe (63.5080° N, 41.6216° E), Northern Dvina Basin, White Sea drainage	KY328462	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv170_1	EUR	Bulgaria: Golyama Kamchia River (43.0584° N, 26.9534° E), Kamchia Basin, Black Sea drainage	KY328463	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv170_2	EUR	Bulgaria: Golyama Kamchia River (43.0584° N, 26.9534° E), Kamchia Basin, Black Sea drainage	KY328464	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv170_3	EUR	Bulgaria: Golyama Kamchia River (43.0584° N, 26.9534° E), Kamchia Basin, Black Sea drainage	KY328465	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv173_1	EUR	Russia: Western Siberia, Tyumen Region, Taz River (63.5768° N, 83.8644° E), Kara Sea drainage	KY328466	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv173_2	EUR	Russia: Western Siberia, Tyumen Region, Taz River (63.5768° N, 83.8644° E), Kara Sea drainage	KY328467	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv173_3	EUR	Russia: Western Siberia, Tyumen Region, Taz River (63.5768° N, 83.8644° E), Kara Sea drainage	KY328468	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv174_1	EUR	Russia: European part, Astrakhan Region, Volga River (45.7669° N, 47.8862° E), Caspian Sea drainage	KY328469	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv174_2	EUR	Russia: European part, Astrakhan Region, Volga River (45.7669° N, 47.8862° E), Caspian Sea drainage	KY328470	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv189_1	EUR	Russia: European part, Republic of Karelia, Keret River Basin (66.1592° N, 32.6471° E),	KY328471	[11]

Taxa	Code	Clade	Locality	COI	Reference
			White Sea drainage		
<i>A. anatina</i> (Linnaeus, 1758)	biv189_3	EUR	Russia: European part, Republic of Karelia, Keret River Basin (66.1592° N, 32.6471° E), White Sea drainage	KY328472	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv189_8	EUR	Russia: European part, Republic of Karelia, Keret River Basin (66.1592° N, 32.6471° E), White Sea drainage	KY328473	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv190_2	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusinoe (51.2590° N, 106.4982° E), Yenisei Basin, Kara Sea drainage	KY328474	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv190_3	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusinoe (51.2590° N, 106.4982° E), Yenisei Basin, Kara Sea drainage	KY328475	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv190_4	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusinoe (51.2590° N, 106.4982° E), Yenisei Basin, Kara Sea drainage	KY328476	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv190_5	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusinoe (51.2590° N, 106.4982° E), Yenisei Basin, Kara Sea drainage	KY328477	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv190_7	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusinoe (51.2590° N, 106.4982° E), Yenisei Basin, Kara Sea drainage	KY328478	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv192_1	AZOV	Russia: European part, Krasnodar Region, Kurchanskij Liman (45.2481° N, 37.4975° E), Azov Sea drainage	KY328479	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv194_4	EUR	Russia: European part, Moscow Region, Medvezhii Lakes (55.8650° N, 38.0010° E), Volga Basin, Caspian Sea drainage	KY328480	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv194_5	EUR	Russia: European part, Moscow Region, Medvezhii Lakes (55.8650° N, 38.0010° E), Volga Basin, Caspian Sea drainage	KY328481	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv194_7	EUR	Russia: European part, Moscow Region, Medvezhii Lakes (55.8650° N, 38.0010° E), Volga Basin, Caspian Sea drainage	KY328482	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv198_1	EUR	Russia: Western Siberia, Novosibirsk Region, Berd River (54.3206° N, 84.3938° E), Ob' Basin, Kara Sea drainage	KY328483	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv198_2	EUR	Russia: Western Siberia, Novosibirsk Region, Berd River (54.3206° N, 84.3938° E), Ob' Basin, Kara Sea drainage	KY328484	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv198_3	EUR	Russia: Western Siberia, Novosibirsk Region, Berd River (54.3206° N, 84.3938° E), Ob' Basin, Kara Sea drainage	KY328485	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv198_4	EUR	Russia: Western Siberia, Novosibirsk Region, Berd River (54.3206° N, 84.3938° E), Ob' Basin, Kara Sea drainage	KY328486	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv198_6	EUR	Russia: Western Siberia, Novosibirsk Region, Berd River (54.3206° N, 84.3938° E), Ob' Basin, Kara Sea drainage	KY328487	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv199_1	EUR	Russia: Eastern Siberia, Yakutia, Lake Syrdah (62.5689° N, 130.8861° E), Lena Basin, Laptev Sea drainage	KY328488	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv199_2	EUR	Russia: Eastern Siberia, Yakutia, Lake Syrdah (62.5689° N, 130.8861° E), Lena Basin, Laptev Sea drainage	KY328489	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv199_3	EUR	Russia: Eastern Siberia, Yakutia, Lake Syrdah (62.5689° N, 130.8861° E), Lena Basin, Laptev Sea drainage	KY328490	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv199_5	EUR	Russia: Eastern Siberia, Yakutia, Lake Syrdah (62.5689° N, 130.8861° E), Lena Basin, Laptev Sea drainage	KY328491	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv199_6	EUR	Russia: Eastern Siberia, Yakutia, Lake Syrdah (62.5689° N, 130.8861° E), Lena Basin, Laptev Sea drainage	KY328492	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv206_1	EUR	Russia: European part, Nenets Autonomous Okrug, Sula River (67.0291° N, 51.1275° E), Pechora drainage, Barents Sea Basin	KY328493	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv206_2	EUR	Russia: European part, Nenets Autonomous Okrug, Sula River (67.0291° N, 51.1275° E), Pechora drainage, Barents Sea Basin	KY328494	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv208_1	AZOV	Russia: European part, Volgograd Region, Pyatidesyatninskoe Lake (49.2421° N, 43.9255° E), Don Basin, Azov Sea drainage	KY328495	[11]

Taxa	Code	Clade	Locality	COI	Reference
<i>A. anatina</i> (Linnaeus, 1758)	biv208_3	AZOV	Russia: European part, Volgograd Region, Pyatidesyatinskoe Lake (49.2421° N, 43.9255° E), Don Basin, Azov Sea drainage	KY328496	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv209	EUR	Russia: European part, Moskow Region, Rezvan' Lake (54.8451° N, 37.9849° E), Oka Basin, Volga Basin, Caspian Sea drainage	KY328497	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv210_1	EUR	Russia: European part, Nenets Autonomous Okrug, Lake Chekhiva, Pechora Basin (68.1305° N, 53.5269° E), Barents Sea drainage	KY328498	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv210_3	EUR	Russia: European part, Nenets Autonomous Okrug, Pechora River (68.1103° N, 53.0733° E), Barents Sea drainage	KY328499	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv210_4	EUR	Russia: European part, Nenets Autonomous Okrug, Pechora River (68.1103° N, 53.0733° E), Barents Sea drainage	KY328500	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv210_5	EUR	Russia: European part, Nenets Autonomous Okrug, Pechora River (68.1103° N, 53.0733° E), Barents Sea drainage	KY328501	Present study
<i>A. anatina</i> (Linnaeus, 1758)	669_2	EUR	Russia: European part, Arkhangelsk Region, Northern Dvina River (64.1414° N, 41.7653° E), White Sea drainage	KY328502	[11]
<i>A. anatina</i> (Linnaeus, 1758)	669_12	EUR	Russia: European part, Arkhangelsk Region, Northern Dvina River (64.1414° N, 41.7653° E), White Sea drainage	KY328503	[11]
<i>A. anatina</i> (Linnaeus, 1758)	669_23	EUR	Russia: European part, Arkhangelsk Region, Northern Dvina River (64.1414° N, 41.7653° E), White Sea drainage	KY328504	[11]
<i>A. anatina</i> (Linnaeus, 1758)	670_1	EUR	Russia: European part, Arkhangelsk Region, Lake Pachozero (65.0007° N, 41.2693° E), Kuloi Basin, Barents Sea drainage	KY328505	[11]
<i>A. anatina</i> (Linnaeus, 1758)	670_4	EUR	Russia: European part, Arkhangelsk Region, Lake Pachozero (65.0007° N, 41.2693° E), Kuloi Basin, Barents Sea drainage	KY328506	[11]
<i>A. anatina</i> (Linnaeus, 1758)	670_7	EUR	Russia: European part, Arkhangelsk Region, Lake Pachozero (65.0007° N, 41.2693° E), Kuloi Basin, Barents Sea drainage	KY328507	[11]
<i>A. anatina</i> (Linnaeus, 1758)	670_8	EUR	Russia: European part, Arkhangelsk Region, Lake Pachozero (65.0007° N, 41.2693° E), Kuloi Basin, Barents Sea drainage	KY328508	Present study
<i>A. anatina</i> (Linnaeus, 1758)	1HH	EUR	Russia: European part, Arkhangelsk Region, Tsiglomenka River (64.4561° N, 40.5813° E), Northern Dvina Basin, White Sea drainage	KY328509	[11]
<i>A. anatina</i> (Linnaeus, 1758)	2HH	EUR	Russia: European part, Arkhangelsk Region, Tsiglomenka River (64.4561° N, 40.5813° E), Northern Dvina Basin, White Sea drainage	KY328510	[11]
<i>A. anatina</i> (Linnaeus, 1758)	4HH	EUR	Russia: European part, Arkhangelsk Region, Tsiglomenka River (64.4561° N, 40.5813° E), Northern Dvina Basin, White Sea drainage	KY328511	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv277_2	EUR	Russia: European part, Kursk Region, Seym River (51.7699° N, 36.2186° E), Dnieper Basin, Black Sea drainage	MK574149	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv277_3	EUR	Russia: European part, Kursk Region, Seym River (51.7699° N, 36.2186° E), Dnieper Basin, Black Sea drainage	MK574150	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv277_4	EUR	Russia: European part, Kursk Region, Seym River (51.7699° N, 36.2186° E), Dnieper Basin, Black Sea drainage	MK574151	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv277_5	EUR	Russia: European part, Kursk Region, Seym River (51.7699° N, 36.2186° E), Dnieper Basin, Black Sea drainage	MT027824	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv282_2	AZOV	Russia: European part, Saratov Region, Khopyor River (51.5630° N, 43.1530° E), Don Basin, Azov Sea drainage	MK574152	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv282_3	AZOV	Russia: European part, Saratov Region, Khopyor River (51.5630° N, 43.1530° E), Don Basin, Azov Sea drainage	MK574153	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv282_4	AZOV	Russia: European part, Saratov Region, Khopyor River (51.5630° N, 43.1530° E), Don Basin, Azov Sea drainage	MK574154	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv306_2	EUR	Russia: European part, Volgograd Region, Volga River (48.4244° N, 44.9181° E), Caspian Sea drainage	MK574155	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv307_2	AZOV	Russia: European part, Rostov Region, Elbuzd River (46.8762° N, 39.6995° E), Kagalnik Basin,	MK574156	[11]

Taxa	Code	Clade	Locality	COI	Reference
			Azov Sea drainage		
<i>A. anatina</i> (Linnaeus, 1758)	biv307_3	AZOV	Russia: European part, Rostov Region, Elbuzd River (46.8762° N, 39.6995° E), Kagalnik Basin, Azov Sea drainage	MK574157	[11]
<i>A. anatina</i> (Linnaeus, 1758)	616S	EUR	Russia: European part, Arkhangelsk Region, Viled River (61.2785° N, 48.6681° E), Northern Dvina Basin, White Sea drainage	MK574158	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv315	EUR	Turkey: Hatai province, Karasu River (36.4650° N, 36.3799° E), Orontes Basin, Mediterranean Sea drainage	MT027825	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_1	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027826	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_2	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027827	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_4	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027828	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_5	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027829	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_6	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027830	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv318_9	EUR	Turkey: Hatai province, Muratpaşa irrigation channel (36.4298° N, 36.3833° E), Orontes Basin, Mediterranean Sea drainage	MT027831	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv481	EUR	Georgia: Abkhazia: Bzyb River (43.1980° N, 40.3031° E), Black Sea drainage	MT027832	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv552_1	EUR	Russia: European part, Arkhangelsk Region, Onega Peninsula, Lopshenga River (64.9542° N, 37.5186° E), White Sea drainage	MK574159	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv552_4	EUR	Russia: European part, Arkhangelsk Region, Onega Peninsula, Lopshenga River (64.9542° N, 37.5186° E), White Sea drainage	MT027833	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv552_5	EUR	Russia: European part, Arkhangelsk Region, Onega Peninsula, Lopshenga River (64.9542° N, 37.5186° E), White Sea drainage	MT027834	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv553_1	EUR	Russia: European part, Arkhangelsk Region, Onega Peninsula, Solenoye Lake (64.8767° N, 38.9809° E), White Sea drainage	MK574160	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv553_2	EUR	Russia: European part, Arkhangelsk Region, Onega Peninsula, Solenoye Lake (64.5774° N, 37.9460° E), White Sea drainage	MK574161	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv554_1	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MK574162	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv554_2	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MK574163	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv554_3	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MK574164	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv554_4	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027835	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_5	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027836	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_6	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027837	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_7	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027838	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_8	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027839	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_9	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027840	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv554_10	AZOV	Russia: European part, Republic of Adygea, Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage	MT027841	Present study

Taxa	Code	Clade	Locality	COI	Reference
			Kuban River (44.9497° N, 39.3544° E), Azov Sea drainage		
<i>A. anatina</i> (Linnaeus, 1758)	biv557_1	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MK574165	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv557_2	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MK574166	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv557_3	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MK574167	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv557_4	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027842	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_5	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027843	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_6	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027844	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_7	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027845	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_8	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027846	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_9	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027847	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv557_10	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MT027848	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv558	AZOV	Russia: European part, Krasnodar Region, Kirpili River (45.3539° N, 39.8053° E), Azov Sea drainage	MK574168	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv560_1	AZOV	Russia: European part, Rostov Region, Saryi Donets Lake (48.3406° N, 40.1096° E), Don Basin, Azov Sea drainage	MK574169	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv560_2	AZOV	Russia: European part, Rostov Region, Saryi Donets Lake (48.3406° N, 40.1096° E), Don Basin, Azov Sea drainage	MK574170	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv560_3	AZOV	Russia: European part, Rostov Region, Saryi Donets Lake (48.3406° N, 40.1096° E), Don Basin, Azov Sea drainage	MK574171	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv563	AZOV	Russia: European part, Rostov Region, Sokolovskoe Reservoir (47.8438° N, 39.9030° E), Don Basin, Azov Sea drainage	MK574172	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv565_1	AZOV	Russia: European part, Rostov Region, Aksai River (47.3582° N, 40.0632° E), Don Basin, Azov Sea drainage	MK574173	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv565_2	AZOV	Russia: European part, Rostov Region, Aksai River (47.3582° N, 40.0632° E), Don Basin, Azov Sea drainage	MK574174	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv565_3	AZOV	Russia: European part, Rostov Region, Aksai River (47.3582° N, 40.0632° E), Don Basin, Azov Sea drainage	MK574175	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv567_1	EUR	Russia: European part, Arkhangelsk Region, Lacha Lake (61.3079° N, 38.8429° E) Onega Basin, White Sea drainage	MT027849	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv567_2	EUR	Russia: European part, Arkhangelsk Region, Lacha Lake (61.3079° N, 38.8429° E) Onega Basin, White Sea drainage	MT027850	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv567_3	EUR	Russia: European part, Arkhangelsk Region, Lacha Lake (61.3079° N, 38.8429° E) Onega Basin, White Sea drainage	MT027851	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_2	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MK574177	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv569_3	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MK574178	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv569_4	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027852	Present study

Taxa	Code	Clade	Locality	COI	Reference
<i>A. anatina</i> (Linnaeus, 1758)	biv569_5	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027853	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_6	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027854	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_7	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027855	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_8	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027856	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_9	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027857	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv569_10	AZOV	Russia: European part, Krasnodar Region, Kuban River (45.2655° N, 37.3708° E), Azov Sea drainage	MT027858	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv571_1	EUR	Russia: European part, Ryazan Region, Oka River (54.6603° N, 39.8371° E), Volga Basin, Caspian Sea drainage	MK574179	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv571_2	EUR	Russia: European part, Ryazan Region, Oka River (54.6603° N, 39.8371° E), Volga Basin, Caspian Sea drainage	MT027859	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv572_3	EUR	Russia: European part, Ryazan Region, Oka River (54.6603° N, 39.8371° E), Volga Basin, Caspian Sea drainage	MK574180	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv573_4	EUR	Russia: European part, Ryazan Region, Oka River (54.6603° N, 39.8371° E), Volga Basin, Caspian Sea drainage	MK574181	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv575_6	EUR	Russia: European part, Ryazan Region, Oka River, (54.9798° N, 41.7753° E), Volga Basin, Caspian Sea drainage	MT027860	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv585_1	EUR	Russia: European part, Republic of Bashkortostan, Belaya River (54.8958° N, 55.8891° E), Volga Basin, Caspian Sea drainage	MT027861	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv585_2	EUR	Russia: European part, Republic of Bashkortostan, Belaya River (54.8958° N, 55.8891° E), Volga Basin, Caspian Sea drainage	MT027862	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv585_3	EUR	Russia: European part, Republic of Bashkortostan, Belaya River (54.8958° N, 55.8891° E), Volga Basin, Caspian Sea drainage	MT027863	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv585_4	EUR	Russia: European part, Republic of Bashkortostan, Belaya River (54.8958° N, 55.8891° E), Volga Basin, Caspian Sea drainage	MT027864	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv591_1	EUR	Russia: European part, Astrakhan Region, Volga River (47.2531° N, 47.0418° E), Caspian Sea drainage	MT027865	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv591_2	EUR	Russia: European part, Astrakhan Region, Volga River (47.2531° N, 47.0418° E), Caspian Sea drainage	MT027866	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv591_5	EUR	Russia: European part, Astrakhan Region, Volga River (47.2531° N, 47.0418° E), Caspian Sea drainage	MT027867	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv593_1	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603925	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv593_2	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603926	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv593_3	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603927	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv593_4	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603928	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv593_5	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603929	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv593_6	EUR	Kazakhstan: Ural River (50.7131° N, 51.3808° E), Caspian Sea drainage	MK603930	[11]
<i>A. anatina</i> (Linnaeus, 1758)	biv596_3	EUR	Russia: European part, Moscow Region, Moskva River, (55.7012° N, 36.7209° E), Volga Basin, Caspian Sea drainage	MT027868	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv596_5	EUR	Russia: European part, Moscow Region, Moskva River, (55.7012° N, 36.7209° E), Volga Basin, Caspian Sea drainage	MT027869	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv597_1	EUR	Russia: European part, Pskov Region, Alolya River, (56.4631° N, 29.1139° E), Velikaya Basin,	MT027870	Present study

Taxa	Code	Clade	Locality	COI	Reference
			Baltic Sea drainage		
<i>A. anatina</i> (Linnaeus, 1758)	biv622_1	EUR	Kazakhstan: Ablakетка River (49.8012° N, 82.6261° E), Ob' Basin, Kara Sea drainage	MT027871	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv622_2	EUR	Kazakhstan: Ablakетка River (49.8012° N, 82.6261° E), Ob' River Basin, Kara Sea drainage	MT027872	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv622_3	EUR	Kazakhstan: Ablakетка River (49.8012° N, 82.6261° E), Ob' River Basin, Kara Sea drainage	MT027873	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv622_4	EUR	Kazakhstan: Ablakетка River (49.8012° N, 82.6261° E), Ob' River Basin, Kara Sea drainage	MT027874	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv723_1	EUR	Russia: European part, Republic of Dagestan, Ak-Gel Lake (42.9604° N , 47.5423° E), Caspian Sea drainage	MT027875	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv723_2	EUR	Russia: European part, Republic of Dagestan, Ak-Gel Lake (42.9604° N , 47.5423° E), Caspian Sea drainage	MT027876	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv724_1	AZOV	Russia: European part, Krasnodar Region, Beisuzhek Levyy River (45.8427° N, 39.0525 ° E), Beisug Basin, Azov Sea drainage	MT027877	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv724_2	AZOV	Russia: European part, Krasnodar Region, Beisuzhek Levyy River (45.8427° N, 39.0525 ° E), Beisug Basin, Azov Sea drainage	MT027878	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv724_3	AZOV	Russia: European part, Krasnodar Region, Beisuzhek Levyy River (45.8427° N, 39.0525 ° E), Beisug Basin, Azov Sea drainage	MT027879	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv726_1	AZOV	Russia: European part, Krasnodar Region, Chelbas River (46.0837° N, 38.9769° E), Azov Sea drainage	MT027880	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv726_3	AZOV	Russia: European part, Krasnodar Region, Chelbas River (46.0837° N, 38.9769° E), Azov Sea drainage	MT027881	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv726_6	AZOV	Russia: European part, Krasnodar Region, Chelbas River (46.0837° N, 38.9769° E), Azov Sea drainage	MT027882	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv727_3	AZOV	Russia: European part, Krasnodar Region, Afips River (44.8929° N, 38.8456° E), Kuban Basin, Azov Sea drainage	MT027883	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv727_4	AZOV	Russia: European part, Krasnodar Region, Afips River (44.8929° N, 38.8456° E), Kuban Basin, Azov Sea drainage	MT027884	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv727_7	AZOV	Russia: European part, Krasnodar Region, Afips River (44.8929° N, 38.8456° E), Kuban Basin, Azov Sea drainage	MT027885	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv731	AZOV	Russia: European part, Krasnodar Region, Sosyka River (46.5481° N, 39.0661° E), Yeya Basin, Azov Sea drainage	MT027886	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv732_2	AZOV	Russia: European part, Krasnodar Region, Yeya River (46.5732° N, 39.6331° E), Azov Sea drainage	MT027887	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv732_4	AZOV	Russia: European part, Krasnodar Region, Yeya River (46.5732° N, 39.6331° E), Azov Sea drainage	MT027888	Present study
<i>A. anatina</i> (Linnaeus, 1758)	biv732_5	AZOV	Russia: European part, Krasnodar Region, Yeya River (46.5732° N, 39.6331° E), Azov Sea drainage	MT027889	Present study
<i>A. anatina</i> (Linnaeus, 1758)	BIV0199	EUR	Ukraine: Vorskla River, Dnieper Basin, Black Sea drainage	MH062759	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0201	EUR	Ukraine: Murafa River, Dniester Basin, Black Sea drainage	MH062760	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0202	EUR	Ukraine: Revna River, Dnieper Basin, Black Sea drainage	MH062761	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0204	EUR	Ukraine: Pond in Dinotzky	MH062762	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0205	EUR	Ukraine: Suchoy Tashlyk River, Southern Bug Basin, Black Sea drainage	MH062763	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0206	EUR	Ukraine: Revna River, Dnieper Basin, Black Sea drainage	MH062764	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV0256	EUR	Russia: Eastern Siberia, Transbaikalia, Lake Tasey (52.2921° N, 113.0898° E), Lena Basin, Laptev Sea drainage	MH062765	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3374	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusynoye (52.2897° N, 106.4839° E), Yenisei Basin, Kara Sea	MH062766	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3375	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Gusynoye (52.2897° N, 106.4839° E),	MH062767	[18]

Taxa	Code	Clade	Locality	COI	Reference
			Yenisei Basin, Kara Sea		
<i>A. anatina</i> (Linnaeus, 1758)	BIV3377	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Schuchje (51.4176° N, 106.5433° E), Yenisei Basin, Kara Sea drainage	MH062768	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3378	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Schuchje (51.4176° N, 106.5433° E), Yenisei Basin, Kara Sea drainage	MH062769	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3379	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Schuchje (51.4176° N, 106.5433° E), Yenisei Basin, Kara Sea drainage	MH062770	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3381	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Schuchje (51.4176° N, 106.5433° E), Yenisei Basin, Kara Sea drainage	MH062771	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3382	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Torma (51.5600° N, 107.0090° E), Yenisei Basin, Kara Sea drainage	MH062772	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3383	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Torma (51.5600° N, 107.0090° E), Yenisei Basin, Kara Sea drainage	MH062773	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3384	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Torma (51.5600° N, 107.0090° E), Yenisei Basin, Kara Sea drainage	MH062774	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3385	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Torma (51.5600° N, 107.0090° E), Yenisei Basin, Kara Sea drainage	MH062775	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3387	EUR	Russia: Eastern Siberia, Selenga River (51.8473° N, 107.5583° E), Yenisei Basin, Kara Sea drainage	MH062776	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3388	EUR	Russia: Eastern Siberia, Selenga River (51.8473° N, 107.5583° E), Yenisei Basin, Kara Sea drainage	MH062777	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3392	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062778	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3393	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062779	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3394	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062780	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3395	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062781	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3397	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062782	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3399	EUR	Russia: Eastern Siberia, Republic of Buryatia, Lake Bolshoye Eravnoe (52.5972° N, 111.5001° E), Lena Basin, Laptev Sea drainage	MH062783	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3401	EUR	Russia: Eastern Siberia, Lake Baikal (52.1555° N, 106.2637° E), Yenisei Basin, Kara Sea drainage	MH062784	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3402	EUR	Russia: Eastern Siberia, Lake Baikal (52.1555° N, 106.2637° E), Yenisei Basin, Kara Sea drainage	MH062785	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3405	EUR	Russia: Eastern Siberia, Lake Baikal (52.1555° N, 106.2637° E), Yenisei Basin, Kara Sea drainage	MH062786	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3406	EUR	Russia: Eastern Siberia, Lake Baikal (52.1555° N, 106.2637° E), Yenisei Basin, Kara Sea drainage	MH062787	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV3408	EUR	Russia: Eastern Siberia, Lake Baikal (52.1555° N, 106.2637° E), Yenisei Basin, Kara Sea drainage	MH062788	[18]
<i>A. anatina</i> (Linnaeus, 1758)	BIV849	ITAL	Spain: Unnamed channel (39.3176° N, 0.3962° W), Jucar Basin, Mediterranean Sea drainage	MF414228	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV965	ITAL	Spain: Unnamed channel (39.3114° N, 0.3205° W), Jucar Basin, Mediterranean Sea drainage	MF414229	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV1075	ITAL	Spain: Daro Vell (42.0096° N, 3.1249° E), Ter Basin, Mediterranean Sea drainage	MF414226	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV1076	ITAL	Spain: Daro Vell (42.0096° N, 3.1249° E), Ter Basin, Mediterranean Sea drainage	MF414227	[2]
<i>A. anatina</i> (Linnaeus, 1758)	73 F	EUR	Poland: Vistula Basin, Baltic Sea drainage	AF494102	[12]

Taxa	Code	Clade	Locality	COI	Reference
<i>A. anatina</i> (Linnaeus, 1758)	AA387	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583512	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA389	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583514	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA390	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583515	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA391	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583516	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA392	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583517	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA393	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583518	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA394	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	KC583519	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai1	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583503	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai12	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583504	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai13	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583505	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai15	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583506	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai20	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583507	[13]
<i>A. anatina</i> (Linnaeus, 1758)	Ai21	IBER	Portugal: Mondego Basin, Atlantic Ocean drainage	KC583508	[13]
<i>A. anatina</i> (Linnaeus, 1758)	ACGOM1	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583500	[13]
<i>A. anatina</i> (Linnaeus, 1758)	ACGOM2	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583501	[13]
<i>A. anatina</i> (Linnaeus, 1758)	ACGOM3	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583502	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA70	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583489	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA71	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583490	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA72	EUR	Hungary: Danube River (47.6852° N, 19.1279° E), Black Sea drainage	KC583491	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA73	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583492	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA74	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583493	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA75	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583494	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA76	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583495	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AC77	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583498	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AC79	EUR	Czech Republic: Elbe River (50.2283° N, 14.6138° E), North Sea drainage	KC583499	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA83	IBER	Portugal: Vouga Basin, Atlantic Ocean drainage	KC583496	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA87	IBER	Portugal: Vouga Basin, Atlantic Ocean drainage	KC583497	[13]
<i>A. anatina</i> (Linnaeus, 1758)	V1	IBER	Portugal: Vouga Basin, Atlantic Ocean drainage	KC583511	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA229	IBER	Portugal: Tejo Basin, Atlantic Ocean drainage	KC583468	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA233	IBER	Portugal: Tejo Basin, Atlantic Ocean drainage	KC583469	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA234	IBER	Portugal: Tejo Basin Atlantic Ocean drainage	KC583470	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA237	IBER	Portugal: Tejo Basin, Atlantic Ocean drainage	KC583471	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA242	IBER	Portugal: Tejo Basin, Atlantic Ocean drainage	KC583472	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA257	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	KC583473	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA258	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	KC583474	[13]

Taxa	Code	Clade	Locality	COI	Reference
<i>A. anatina</i> (Linnaeus, 1758)	AA259	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	KC583475	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA260	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	MF414223	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA261	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	MF414224	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA263	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	KJ402053	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA264	ITAL	Spain: Ebro River (41.8534° N, 1.2316 ° W), Mediterranean Sea drainage	MF414225	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA287	IBER	Spain: Guadalquivir Basin, Atlantic Ocean drainage	KC583476	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA288	IBER	Spain: Guadalquivir Basin, Atlantic Ocean drainage	KC583477	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA289	IBER	Spain: Guadalquivir Basin, Atlantic Ocean drainage	KC583478	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA339	IBER	Spain: Barbate Basin, Atlantic Ocean drainage	KC583479	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA341	IBER	Spain: Barbate Basin, Atlantic Ocean drainage	KC583480	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA342	IBER	Spain: Barbate Basin, Atlantic Ocean drainage	KC583481	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA369	EUR	Hungary: Balaton Lake (46.7605° N, 17.2553° E), Danube Basin, Black Sea drainage	KC583482	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA370	EUR	Hungary: Balaton Lake (46.7605° N, 17.2553° E), Danube Basin, Black Sea drainage	KC583483	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA371	EUR	Hungary: Balaton Lake (46.7605° N, 17.2553° E), Danube Basin, Black Sea drainage	KC583484	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA372	EUR	Hungary: Balaton Lake (46.7605° N, 17.2553° E), Danube Basin, Black Sea drainage	KC583485	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA375	EUR	Hungary: Balaton Lake (46.7605° N, 17.2553° E), Danube Basin, Black Sea drainage	KC583486	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA19	IBER	Portugal: Guadiana River (38.6656° N, 7.0847° W), Atlantic Ocean drainage	KC583467	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA173	IBER	Portugal: Sado Basin, Atlantic Ocean drainage	KC583464	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA176	IBER	Portugal: Sado Basin, Atlantic Ocean drainage	KC583465	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA179	IBER	Portugal: Sado Basin, Atlantic Ocean drainage	KC583466	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA294	IBER	Spain: Guadalquivir Basin, Atlantic Ocean drainage	KJ402054	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AC1	IBER	Portugal: Fermentelos Lagoon (40.5761° N, 8.5269° W), Vouga Basin, Atlantic Ocean drainage	KC583461	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AC3	IBER	Portugal: Fermentelos Lagoon (40.5761° N, 8.5269° W), Vouga Basin, Atlantic Ocean drainage	KC583462	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AC9	IBER	Portugal: Fermentelos Lagoon (40.5761° N, 8.5269° W), Vouga Basin, Atlantic Ocean drainage	KC583463	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA1	IBER	Portugal: Tamega River (41.5417° N, 7.7875° W), Douro Basin, Atlantic Ocean drainage	KC583446	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA3	IBER	Portugal: Tamega River (41.5417° N, 7.7875° W), Douro Basin, Atlantic Ocean drainage	KC583454	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA11	IBER	Portugal: Sabor River, Douro Basin, Atlantic Ocean drainage	KC583447	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA12	IBER	Portugal: Sabor River, Douro Basin, Atlantic Ocean drainage	KC583448	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA13	IBER	Portugal: Sabor River, Douro Basin, Atlantic Ocean drainage	KC583449	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA14	IBER	Portugal: Guadiana River (38.6656° N, 7.0847° W), Atlantic Ocean drainage	KC583450	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA15	IBER	Portugal: Guadiana River (38.6656° N, 7.0847° W), Atlantic Ocean drainage	KC583451	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AA16	IBER	Portugal: Guadiana River (38.6656° N, 7.0847° W), Atlantic Ocean drainage	KC583452	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA17	IBER	Portugal: Guadiana River (38.6656° N, 7.0847° W), Atlantic Ocean drainage	KC583453	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA31	IBER	Portugal: Azibo Reservoir (41.5653° N, 6.8808° W), Douro Basin, Atlantic Ocean drainage	KC583455	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA32	IBER	Portugal: Azibo Reservoir (41.5653° N, 6.8808° W), Douro Basin, Atlantic Ocean drainage	KC583456	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA33	IBER	Portugal: Azibo Reservoir (41.5653° N, 6.8808° W), Douro Basin, Atlantic Ocean drainage	KC583457	[19]

Taxa	Code	Clade	Locality	COI	Reference
<i>A. anatina</i> (Linnaeus, 1758)	AA42	IBER	Portugal: Minho River (42.0511 ° N, 8.5611° W), Atlantic Ocean drainage	KC583458	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA51	IBER	Portugal: Minho River (42.0511 ° N, 8.5611° W), Atlantic Ocean drainage	KC583459	[19]
<i>A. anatina</i> (Linnaeus, 1758)	AA61	IBER	Portugal: Minho River (42.0511 ° N, 8.5611° W), Atlantic Ocean drainage	KC583460	[19]
<i>A. anatina</i> (Linnaeus, 1758)	319	EUR	Poland: Vistula Basin, Baltic Sea drainage	GU230745	[13]
<i>A. anatina</i> (Linnaeus, 1758)	246N	EUR	Poland: Hamrzysko Lake, Oder Basin, Baltic Sea drainage	GU230742	[13]
<i>A. anatina</i> (Linnaeus, 1758)	AanatAGA1.1	IBER	Portugal: Escalhão, Agueda River, Douro Basin, Atlantic Ocean drainage	EF571387	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatAGA2.1	IBER	Portugal: Escalhão, Agueda River, Douro Basin, Atlantic Ocean drainage	EF571388	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatBAG1.2	IBER	Portugal: Nave Redonda, Aguiar River, Douro Basin, Atlantic Ocean drainage	EF571389	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatBAG2.2	IBER	Portugal: Nave Redonda, Aguiar River, Douro Basin, Atlantic Ocean drainage	EF571390	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatMOB1.4	IBER	Portugal: Pereira, Mondego River, Atlantic Ocean drainage	EF571391	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatMOB2.4	IBER	Portugal: Pereira, Mondego River, Atlantic Ocean drainage	EF571392	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatSDA1.5	IBER	Portugal: Torre Va, Sado River, Atlantic Ocean drainage	EF571393	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatTAE1.7	IBER	Portugal: Abrantes, Tejo River, Atlantic Ocean drainage	EF571394	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatTAE2.7	IBER	Portugal: Abrantes, Tejo River, Atlantic Ocean drainage	EF571395	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatXA1.3	IBER	Portugal: Ouguela, Xevora River, Guadiana Basin, Atlantic Ocean drainage	EF571396	[20]
<i>A. anatina</i> (Linnaeus, 1758)	AanatXA2.3	IBER	Portugal: Ouguela, Xevora River, Guadiana Basin, Atlantic Ocean drainage	EF571397	[20]
<i>A. anatina</i> (Linnaeus, 1758)	PB12	EUR	Russia: Crimea, Salgir River (45.4589° N, 34.7617° E), Azov Sea drainage	JQ253883	[21]
<i>A. anatina</i> (Linnaeus, 1758)	PB13	EUR	Ukraine: Mayaki Village, Dniester River (Lower Dniester) (46.4119° N, 30.2731° E), Black Sea drainage	JQ253884	[21]
<i>A. anatina</i> (Linnaeus, 1758)	BIV1859	EUR	France: Vidourle River (43.7365° N, 4.1428° E), Mediterranean Sea drainage	MF414213	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV1862	EUR	France: Vidourle River (43.7365° N, 4.1428° E), Mediterranean Sea drainage	MF414214	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV162	EUR	Croatia: Drava River (45.769702° N, 18.066127° E), Danube Basin, Black Sea drainage	MF414212	[2]
<i>A. anatina</i> (Linnaeus, 1758)	BIV163	EUR	Croatia: Drava River (45.769702° N, 18.066127° E), Danube Basin, Black Sea drainage	MF414222	[2]
<i>A. anatina</i> (Linnaeus, 1758)	AnoEur1	EUR	Italy	MF414418	[2]
<i>A. anatina</i> (Linnaeus, 1758)	AnoEur2	EUR	Czech Republic	MF414419	[2]
<i>A. anatina</i> (Linnaeus, 1758)	AnoIta1	ITAL	Italy	MF414420	[2]
<i>A. anatina</i> (Linnaeus, 1758)	AnoIta1	ITAL	Italy	MF414421	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT21	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414231	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT22	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414233	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT23	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414234	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT24	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414238	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT25	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414239	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT26	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414240	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT27	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414241	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT28	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414242	[2]

Taxa	Code	Clade	Locality	COI	Reference
			11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage		
<i>A. anatina</i> (Linnaeus, 1758)	IT29	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414243	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT32	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414244	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT33	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414245	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT35	ITAL	Italy: Castel dell'Alpi Lake (44.1845° N, 11.2759° E), Reno Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414245	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT361	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414247	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT489	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414248	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT493	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414249	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT557	ITAL	Italy: Levico Lake (46.0140° N, 11.2862° E), Brenta Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414250	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT558	ITAL	Italy: Levico Lake (46.0140° N, 11.2862° E), Brenta Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414251	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT581	ITAL	Italy: Maggiore Lake (45.9803° N, 8.6443° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414252	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT82	ITAL	Italy: Trasimeno Lake (43.0895° N, 12.1532° E), Tiber Basin, Tyrrhenian Sea (Mediterranean Sea) drainage	MF414232	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT85	ITAL	Italy: Trasimeno Lake (43.0895° N, 12.1532° E), Tiber Basin, Tyrrhenian Sea (Mediterranean Sea) drainage	MF414235	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT97	ITAL	Italy: Trasimeno Lake (43.0895° N, 12.1532° E), Tiber Basin, Tyrrhenian Sea (Mediterranean Sea) drainage	MF414236	[2]
<i>A. anatina</i> (Linnaeus, 1758)	IT104	ITAL	Italy: Trasimeno Lake (43.0895° N, 12.1532° E), Tiber Basin, Tyrrhenian Sea (Mediterranean Sea) drainage	MF414230	[2]
<i>A. anatina</i> (Linnaeus, 1758)	MNCN:N1122	IBER	Portugal: Torgal River, Mira Basin, Atlantic Ocean drainage	KX399859	[22]
<i>A. anatina</i> (Linnaeus, 1758)	MNCN N500	IBER	Spain: Estena River, Guadiana Basin, Atlantic Ocean drainage	KP217914	[23]
<i>Pseudanodonta</i> cf. <i>complanata</i> (Rossmässler, 1835)	biv195_1	-	Russia: European part, Saratov Region, Khopyor River (51.4878° N, 42.5931° E), Don Basin, Azov Sea drainage	MK034155	[17]
<i>P.cf. complanata</i> (Rossmässler, 1835)	biv195_2	-	Russia: European part, Saratov Region, Khopyor River (51.4878° N, 42.5931° E), Don Basin, Azov Sea drainage	MK034156	[17]
<i>P. complanata</i> (Rossmässler, 1835)	biv574_1	-	Russia: European part, Ryazan Region, Oka River (54.4620° N, 40.5771° E), Volga Basin, Caspian Sea drainage	MK574186	[11]
<i>P. complanata</i> (Rossmässler, 1835)	biv574_2	-	Russia: European part, Ryazan Region, Oka River (54.4620° N, 40.5771° E), Volga Basin, Caspian Sea drainage	MK574187	[11]
<i>Anodonta exerculata</i> (Porro, 1838)	IT554	-	Italy: Lago di Levico (46.0140° N, 11.2862° E), Brenta Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414313	[2]
<i>A. exerculata</i> (Porro, 1838)	IT332	-	Italy: Maggiore Lake (45.8493° N, 8.6185° E), Po Basin, Adriatic Sea (Mediterranean Sea) drainage	MF414306	[2]
<i>A. exerculata</i> (Porro, 1838)	BIV130	-	Croatia: Roški slap (43.8545° N, 16.1554° E), Krka Basin	MF414301	[2]
<i>A. cygnea</i> (Linnaeus, 1758)	biv204_1	-	Russia: European part, Moscow Region, Lake Glybokoe (55.7519° N, 36.5102° E), Volga Basin, Caspian Sea drainage	MK034157	[23]
<i>A. cygnea</i> (Linnaeus, 1758)	biv207_1	-	Russia: European part, Kaliningrad Region, Lebedinoe Lake (54.7938° N, 20.5286° E), Baltic Sea drainage	MK034159	[23]

Taxa	Code	Clade	Locality	COI	Reference
<i>A. cygnea</i> (Linnaeus, 1758)	biv769_1	-	Russia: European part, Voronezh Region, Tikhaya Sosna River (50.8570° N, 39.0790° E), Don Basin, Azov Sea drainage	MT027890	Present study
OUT-GROUP TAXA					
<i>Sinanodonta lauta</i> (Martens, 1877)	biv191_1	-	Russia: Eastern Siberia, Krasnoyarsk Region, Yenisei River (55.9892° N, 92.8700° E), Kara Sea drainage	KY561633	[15]
<i>S. woodiana</i> (Lea, 1834)	biv191_2	-	Russia: Eastern Siberia, Krasnoyarsk Region, Yenisei River (55.9892° N, 92.8700° E), Kara Sea drainage	KY978735	[24]
<i>Unio pictorum</i> (Linnaeus, 1758)	biv196_7	-	Russia: European part, Saratov Region, Khopyor River (51.5630° N, 43.1530° E), Don Basin, Azov Sea drainage	MK574249	[11]
<i>U. tumidus</i> (Retzius, 1788)	biv278_1	-	Russia: European part, Kursk Region, Seym River (51.7699° N, 36.2186° E), Dnieper Basin, Black Sea drainage	MK574253	[11]