

Supplement S1. Geographical and molecular general description of 22 sequenced species. "Sample ID" is the numerical part of the specimen's voucher ID, which is prefixed by "ZFMK-TIS-" (e.g. ZFMK-TIS-8007201) if the Process ID prefix is GAMAR and by ARMCA if the Process ID is CaBOL

	Process ID	Sample ID	River/Lake	Latitude	Longitude	Elevation	Morphological delimitation	BIN in the BOLD	Haplotype
1	CaBOL-1016044	015-22	Lake Sevan	40.5155	45.0331	1900	<i>G. lacustris</i>	BOLD:AAA2702	Hap5
2	GAMAR 001-20	8007201	Vorotan (Tatev upstream)	39.417	46.248	1110	<i>G. balcanicus</i>	BOLD:AED2059	Hap6
3	GAMAR 002-20	8007202	Vorotan (Tatev upstream)	39.417	46.248	1110	<i>G. balcanicus</i>	BOLD:AED2059	Hap7
4	GAMAR 003-20	8007219	Vorotan (Tatev upstream)	39.417	46.248	1110	<i>G. balcanicus</i>	BOLD:AED2059	Hap7
5	GAMAR 005-20	8007227	Vorotan Angeghakot reservoir upstream	39.562	45.93	1679	<i>G. balcanicus</i>	BOLD:AED1629	Hap8
6	GAMAR 006-20	8007239	Vorotan (Sisian downstream)	39.511	46.078	1911	<i>G. balcanicus</i>	BOLD:AED2059	Hap7
7	GAMAR 007-20	8007240	Vorotan (Sisian downstream)	39.511	46.078	1911	<i>G. balcanicus</i>	BOLD:AED2059	Hap7
8	GAMAR 008-20	8007258	Loradzor tributary of Vorotan	39.452	46.157	1342	<i>G. balcanicus</i>	BOLD:AED2058	Hap9
9	GAMAR 009-20	8007259	Loradzor tributary of Vorotan	39.452	46.157	1342	<i>G. balcanicus</i>	BOLD:AED2058	Hap12

10	GAMAR 010-20	800728 2	Sotk upper course	40.212	45.931	2133	<i>G. komareki</i>	BOLD:AED 2057	Hap10
11	GAMAR 011-20	800729 0	Masrik lower course	40.217	45.657	1911	<i>G. lacustris</i>	BOLD:AEB 5726	Hap11
12	GAMAR 012-20	800729 1	Masrik lower course	40.217	45.657	1911	<i>G. lacustris</i>	BOLD:AEB 5726	Hap13
13	GAMAR 014-20	800864 5	Akunq tributary of Masrik	40.187	45.709	1927	<i>G. lacustris</i>	BOLD:AEB 5726	Hap5
14	GAMAR 015-20	800864 6	Akunq tributary of Masrik	40.187	45.709	1927	<i>G. lacustris</i>	BOLD:AEB 5726	Hap5
15	GAMAR 016-20	800866 5	Karchagh byur	40.158	45.589	1973	<i>G. lacustris</i>	BOLD:AEB 5726	Hap5
16	GAMAR 017-20	800866 6	Karchagh byur	40.158	45.589	1973	<i>G. lacustris</i>	BOLD:AEB 5726	Hap5
17	GAMAR 018-20	800868 1	Argichi lower course	40.163	45.269	1911	<i>G. komareki</i>	BOLD:AED 1628	Hap14
18	GAMAR 019-20	800868 2	Argichi lower course	40.163	45.269	1911	<i>G. komareki</i>	BOLD:AED 1628	Hap15
19	GAMAR 022-20	800870 9	Lichq middle course	40.167	45.244	1915	<i>G. komareki</i>	BOLD:AED 1628	Hap16
20	GAMAR 023-20	800871 0	Lichq middle course	40.167	45.244	1915	<i>G. komareki</i>	BOLD:AED 1628	Hap16
21	GAMAR 024-20	800871 5	Lichq upper course	40.159	45.236	1920	<i>G. komareki</i>	BOLD:AED 1628	Hap16
22	GAMAR 025-20	800871 6	Lichq upper course	40.159	45.236	1920	<i>G. komareki</i>	BOLD:AED 1628	Hap17