

**Table S2.** Georeferenced occurrences and host records of *Acipenserobdella volgensis* (Zykoff, 1904) (Hirudinea: Piscicolidae)

Country	Region	Locality	Latitude (N)	Longitude (E)	Hosts	Feeding	N, leeches	References
Russia	European Russia	Moscow River, Volga River basin, Moscow Region, 12 June 2018, V. Maryinsky leg.	55.7038	36.7288	<i>Anodonta anatina</i> (Linnaeus, 1758) (Unionidae)	Not observed (shelter host)	2	This study
Russia	European Russia	Moscow River, Volga River basin, Moscow Region, 30 June 2019, V. Maryinsky leg.	55.7038	36.7288	<i>Anodonta anatina</i> (Linnaeus, 1758) (Unionidae)	Not observed (shelter host)	1	This study
Russia	European Russia	Moscow River, Volga River basin, Moscow Region, 21 June 2021, D. Palatov leg.	55.6245	36.4033	<i>Leuciscus leuciscus</i> (Linnaeus, 1758) (Cyprinidae)	Successful (uncovered by crop content sequencing)	5	This study
Russia	European Russia	Oka River, Volga River basin, Kaluga Region, 12 June 2015, D. Palatov leg.	54.5078	36.1084	<i>Acipenser ruthenus</i> Linnaeus, 1758 (Acipenseridae)	Successful	N/A	This study
Russia	European Russia	Oka River, Volga River basin, Kaluga Region, 12 June 2015, D. Palatov leg.	54.5078	36.1084	<i>Blicca bjoerkna</i> (Linnaeus, 1758) (Cyprinidae)	N/A	N/A	This study
Russia	European Russia	Oka River, Volga River basin, Orel Region, 09 June 2015, D. Palatov leg.	53.5452	36.2289	<i>Acipenser ruthenus</i> Linnaeus, 1758 (Acipenseridae)	Successful	2	This study
Russia	European Russia	Volga River near Saratov (the type locality), 27 July 1900 (Julian calendar date; actual date: 08 August 1900), V. Zykoff leg.	51.5	46.0	<i>Acipenser nudiventris</i> Lovetsky, 1828 (Acipenseridae) (the type host)	N/A	1	Zykoff [1]
Russia	European Russia	Volga River near Saratov	51.5	46.0	<i>Acipenser sturio</i> Linnaeus, 1758 (Acipenseridae)	N/A	2	Plotnikov [2]
Russia	European Russia	Oka River near Murom, Volga River basin, 1920-1921, V. Zhadin leg.	55.58	42.07	N/A	N/A	1	Stschegolew [3]
Russia	European Russia	Volga River at Volsk city	52.0370	47.3995	<i>Acipenser stellatus</i> Pallas, 1771 (Acipenseridae)	Successful	N/A	Bogdanova & Nikolskaya [4]
Russia	European Russia	Volga River at Volsk city	52.0370	47.3995	<i>Acipenser sturio</i> Linnaeus, 1758 (Acipenseridae)	Successful	N/A	Bogdanova & Nikolskaya [4]
Russia	European	Volga River at	46.2328	48.4986	<i>Acipenser stellatus</i>	Successful	N/A	Bogdanova &

Country	Region	Locality	Latitude (N)	Longitude (E)	Hosts	Feeding	N, leeches	References
	Russia	Tumak village			Pallas, 1771 (Acipenseridae)			Nikolskaya [4]
Russia	European Russia	Volga River at Tumak village	46.2328	48.4986	<i>Acipenser sturio</i> Linnaeus, 1758 (Acipenseridae)	Successful	N/A	Bogdanova & Nikolskaya [4]
Russia	European Russia	Torovo, Rybinsk Reservoir on Volga River, summer of 1992, I. Tomilina leg.	59.1303	37.7114	<i>Abramis brama</i> (Linnaeus, 1758) (Cyprinidae)	Successful	10	Lapkina et al. [5]
Russia	European Russia	Gorky Reservoir on Volga River, September 1997, A. Tzvetkov leg. (exact locality is not given; approx. coordinates)	57.0	43.2	<i>Abramis brama</i> (Linnaeus, 1758) (Cyprinidae)	N/A	1	Lapkina et al. [5]
Russia	European Russia	Kuybyshev Reservoir on Volga River, 1987, L. Lapkina leg. (exact locality is not given; approx. coordinates)	53.8	49.0	<i>Abramis brama</i> (Linnaeus, 1758) (Cyprinidae)	N/A	1	Lapkina et al. [5]
Russia	European Russia	Volgograd Reservoir on Volga River, 1987, L. Lapkina leg. (exact locality is not given; approx. coordinates)	49.13	44.94	<i>Abramis brama</i> (Linnaeus, 1758) (Cyprinidae)	N/A	4	Lapkina et al. [5]
Russia	European Russia	Volgograd Reservoir on Volga River, 1987, L. Lapkina leg. (exact locality is not given; approx. coordinates)	49.13	44.94	<i>Acipenser ruthenus</i> Linnaeus, 1758 (Acipenseridae)	Successful	1	Lapkina et al. [5]
Russia	European Russia	Lower section of the Volga River (from Zhigulevsk city to the delta)	N/A	N/A	<i>Acipenser stellatus</i> Pallas, 1771 (Acipenseridae)	N/A	N/A	Ivanov [6]
Russia	European Russia	Lower section of the Volga River (from Zhigulevsk city to the delta)	N/A	N/A	<i>Acipenser sturio</i> Linnaeus, 1758 (Acipenseridae)	N/A	N/A	Ivanov [6]
Russia	European Russia	Lower section of the Volga	N/A	N/A	<i>Huso huso</i> (Linnaeus, 1758)	N/A	N/A	Ivanov [6]

Country	Region	Locality	Latitude (N)	Longitude (E)	Hosts	Feeding	N, leeches	References
		River (from Zhigulevsk city to the delta)			(Acipenseridae)			
Russia	European Russia	Volgograd Reservoir on Volga River	49.13	44.94	<i>Abramis brama</i> (Linnaeus, 1758) (Cyprinidae)	N/A	1	Lapkina et al. [5]
Russia	European Russia	Volga River below the Volgograd Reservoir (exact locality is not given; approx. coordinates), 1956-1964, A. Reshetnikova leg.	48.48	44.86	<i>Esox lucius</i> Linnaeus, 1758 (Esocidae)	N/A	1	Reshetnikova [7]
Russia	European Russia	Volga River below the Volgograd Reservoir (exact locality is not given; approx. coordinates), 1956-1964, A. Reshetnikova leg.	48.48	44.86	<i>Huso huso</i> (Linnaeus, 1758) (Acipenseridae)	Successful	>22	Reshetnikova [7]
Russia	European Russia	Volga River below the Volgograd Reservoir (exact locality is not given; approx. coordinates), 1956-1964, A. Reshetnikova leg.	48.48	44.86	<i>Acipenser gueldenstaedtii</i> Brandt & Ratzeburg, 1833 (Acipenseridae)	Successful	>11	Reshetnikova [7]
Russia	European Russia	Volga River near Volgograd city	48.70	44.52	N/A	N/A	N/A	Dontzov [8]
Russia	European Russia	Volga River delta (exact locality is not given; approx. coordinates)	46.39	48.03	N/A	N/A	N/A	Dontzov [8]
Russia	Ural Mountains	Chusovaya River, Volga River basin (exact locality is not given; approx. coordinates)	58.21	57.09	N/A	N/A	N/A	Epshtein [9]
Russia	Eastern Siberia	Selenga River, Lake Baikal Basin, 30 October 2013, E. Dzyuba leg. (exact locality is not given; approx. coordinates)	52.13	106.60	<i>Coregonus migratorius</i> (Georgi, 1775) (Salmonidae)	N/A	N/A	NCBI's GenBank [acc. No. KR608789]; Kaygorodova et al. [10]

Country	Region	Locality	Latitude (N)	Longitude (E)	Hosts	Feeding	N, leeches	References
Russia	Eastern Siberia	Shallow waters of Lake Baikal near the Selenga River delta (exact locality is not given; approx. coordinates)	52.30	106.29	<i>Acipenser baerii</i> Brandt, 1869 (Acipenseridae)	Successful	1	Zaika [11]; Pugachev [12]
Russia	Eastern Siberia	Selenga River, Lake Baikal Basin (exact locality is not given; approx. coordinates)	52.13	106.60	<i>Acipenser baerii</i> Brandt, 1869 (Acipenseridae)	Successful	1	Zaika [11]; Pugachev [12]
Russia	Eastern Siberia	Angara River, Yenisey River basin (exact locality is not given; approx. coordinates)	51.96	104.70	N/A	N/A	N/A	Epshtein [9; 13]
Poland	Baltic Coast	Grabowa River at Jeżyczki village near Darłowo	54.3442	16.3947	<i>Salmo trutta</i> Linnaeus, 1758 (Salmonidae)	Successful	N/A	Nesemann & Neubert [14]; Bielecki et al. [15]

N/A – not available.

## Supplementary References

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