

S1 Table 1

Successful crosses							
No	Frog`s species	Genome size	Sex	Methods of frogs identification	Frogs id	Locality	Coordinates
1	<i>P. ridibundus</i>	16,352	f	DNA flow cytometry	6_2015_f	Chermyshevo	56.196386 N, 46.519268 E
2	<i>P. lessonae</i>	13,930	m_1	DNA flow cytometry	6_2015_m1	Chermyshevo	56.196386 N, 46.519268 E
3	<i>P. lessonae</i>	13,905	m_2	DNA flow cytometry	6_2015_m2	Chermyshevo	56.196386 N, 46.519268 E
4	<i>P. ridibundus</i>	16,123	f	DNA flow cytometry	16_2015_f	Medvedevo	56.641235 N, 47.752490 E
5	<i>P. lessonae</i>		m	Karyotyping with FISH	16_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
6	<i>P. ridibundus</i>		f	Karyotyping with FISH	11_2016_f	Medvedevo	56.641235 N, 47.752490 E
7	<i>P. lessonae</i>		m	Karyotyping with FISH	11_2016_m1	Kuguvan	56.786141 N, 47.784421 E
8	<i>P. lessonae</i>		m	Karyotyping with FISH	11_2016_m2	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
9	<i>P. ridibundus</i>		f	Karyotyping with FISH	13_2016_f1	Medvedevo	56.641235 N, 47.752490 E
10	<i>P. lessonae</i>		m	Karyotyping with FISH	13_2016_m1	Kuguvan	56.786141 N, 47.784421 E
11	<i>P. lessonae</i>		m	Karyotyping with FISH	13_2016_m2	Kuguvan	56.786141 N, 47.784421 E
12	<i>P. lessonae</i>		f	Karyotyping with FISH	1_2017_f	Pyn'zhedur	56.613111 N, 47.931808 E
13	<i>P. ridibundus</i>		m	Karyotyping with FISH	1_2017_m	Sosnovaya Roszha, Yoshkar-Ola	56.281948 N, 46.898717 E
14	<i>P. lessonae</i>		f	Karyotyping with FISH	11_2015_f	Kuguvan	56.786141 N, 47.784421 E
15	<i>P. esculentus</i>	14,968	m	DNA flow cytometry	11_2015_m	Kuguvan	56.786141 N, 47.784421 E
16	<i>P. lessonae</i>	13,801	f	DNA flow cytometry	12_2015_f	Kuguvan	56.786141 N, 47.784421 E
17	<i>P. esculentus</i>	14,969	m	DNA flow cytometry	12_2015_m	Kuguvan	56.786141 N, 47.784421 E
18	<i>P. lessonae</i>		f	Karyotyping with FISH	13_2015_f	Kuguvan	56.786141 N, 47.784421 E
19	<i>P. esculentus</i>	14,975	m	DNA flow cytometry	13_2015_m	Kuguvan	56.786141 N, 47.784421 E
20	<i>P. lessonae</i>	13,758	f	DNA flow cytometry	14_2015_f	Kuguvan	56.786141 N, 47.784421 E
21	<i>P. esculentus</i>	14,986	m	DNA flow cytometry	14_2015_m	Kuguvan	56.786141 N, 47.784421 E
22	<i>P. lessonae</i>	13,700	f	DNA flow cytometry	26_2015_f	Shusher	56.672423 N, 47.261847 E
23	<i>P. esculentus</i>	14,948	m	DNA flow cytometry	26_2015_m	Kuguvan	56.786141 N, 47.784421 E
24	<i>P. lessonae</i>	13,883	f	DNA flow cytometry	27_2015_f	Kuguvan	56.786141 N, 47.784421 E
25	<i>P. esculentus</i>	14,959	m	DNA flow cytometry	27_2015_m	Kuguvan	56.786141 N, 47.784421 E
26	<i>P. lessonae</i>		f	Karyotyping with FISH	5_2016_f	Kuguvan	56.786141 N, 47.784421 E

27	<i>P. esculentus</i>		m	Karyotyping with FISH	5_2016_m	Kuguvan	56.786141 N, 47.784421 E
28	<i>P. lessonae</i>		f	Karyotyping with FISH	6_2016_f	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
29	<i>P. esculentus</i>		m	Karyotyping with FISH	6_2016_m	Kuguvan	56.786141 N, 47.784421 E
30	<i>P. lessonae</i>	13,795	f	DNA flow cytometry	19_2015_f	Shusher	56.672423 N, 47.261847 E
31	<i>P. esculentus</i>	15,137	m	DNA flow cytometry	19_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
32	<i>P. lessonae</i>	13,785	f_1	DNA flow cytometry	30_2015_f1	Chermyshevo	56.196386 N, 46.519268 E
33	<i>P. lessonae</i>	13,811	f_2	DNA flow cytometry	30_2015_f2	Chermyshevo	56.196386 N, 46.519268 E
34	<i>P. esculentus</i>	15,035	m	DNA flow cytometry	30_2015_m	Chermyshevo	56.196386 N, 46.519268 E
35	<i>P. lessonae</i>		f	Morphological examination	2_2017_f	Pyn'zhedur	56.613111 N, 47.931808 E
36	<i>P. lessonae</i>		m	Morphological examination	2_2017_m	Pyn'zhedur	56.613111 N, 47.931808 E

Unsuccessful crosses							
№	Frog`s species	Genome size	Sex	methods of frogs identification	Frogs id	Locality	Coordinates
1	<i>P. lessonae</i>	13,916	f	DNA flow cytometry	10_2015_f	Shusher	56.672423 N, 47.261847 E
2	<i>P. ridibundus</i>	16,368	m	DNA flow cytometry	10_2015_m	Medvedevo	56.641235 N, 47.752490 E
3	<i>P. ridibundus</i>		f	Karyotyping with FISH	17_2015_f	Medvedevo	56.641235 N, 47.752490 E
4	<i>P. lessonae</i>	13,791	m	DNA flow cytometry	17_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
5	<i>P. ridibundus</i>	16,116	f	DNA flow cytometry	28_2015_f	Medvedevo	56.641235 N, 47.752490 E
6	<i>P. lessonae</i>	13,682	m	DNA flow cytometry	28_2015_m	Kuguvan	56.786141 N, 47.784421 E
7	<i>P. esculentus</i>	15,178	f	DNA flow cytometry	1_2015_f	Kuguvan	56.786141 N, 47.784421 E
8	<i>P. lessonae</i>	14,045	m	DNA flow cytometry	1_2015_m	Kuguvan	56.786141 N, 47.784421 E
9	<i>P. esculentus</i>	15,145	f	DNA flow cytometry	2_2015_f	Kuguvan	56.786141 N, 47.784421 E
10	<i>P. lessonae</i>	13,984	m	DNA flow cytometry	2_2015_m	Kuguvan	56.786141 N, 47.784421 E
11	<i>P. esculentus</i>	15,167	f	DNA flow cytometry	3_2015_f	Kuguvan	56.786141 N, 47.784421 E
12	<i>P. lessonae</i>	13,927	m	DNA flow cytometry	3_2015_m	Kuguvan	56.786141 N, 47.784421 E
13	<i>P. esculentus</i>	15,103	f	DNA flow cytometry	4_2015_f	Kuguvan	56.786141 N, 47.784421 E
14	<i>P. lessonae</i>		m	Karyotyping with FISH	4_2015_m	Kuguvan	56.786141 N, 47.784421 E
15	<i>P. esculentus</i>	14,966	f	DNA flow cytometry	7_2015_f	Oshlamoochash	56.812210 N, 47.760231 E
16	<i>P. lessonae</i>	13,627	m	DNA flow cytometry	7_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
17	<i>P. esculentus</i>	14,876	f	DNA flow cytometry	22_2015_f	Krasnooktyabr'skiy	56.681029 N, 47.678995 E

18	<i>P. esculentus</i>	14,927	m	DNA flow cytometry	22_2015_m	Shusher	56.672423 N, 47.261847 E
19	<i>P. lessonae</i>	13,668	f_1	DNA flow cytometry	24_2015_f1	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
20	<i>P. lessonae</i>	13,673	f_2	DNA flow cytometry	24_2015_f2	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
21	<i>P. esculentus</i>	14,913	m	DNA flow cytometry	24_2015_m1	Shusher	56.672423 N, 47.261847 E
22	<i>P. lessonae</i>	13,684	f	DNA flow cytometry	31_2015_f1	Kuguvan	56.786141 N, 47.784421 E
23	<i>P. lessonae</i>	13,724	f	DNA flow cytometry	31_2015_f2	Kuguvan	56.786141 N, 47.784421 E
24	<i>P. esculentus</i>	14,805	m	DNA flow cytometry	31_2015_m1	Oshlamoochash	56.812210 N, 47.760231 E
25	<i>P. lessonae</i>	13,705	f	DNA flow cytometry	32_2015_f	Kuguvan	56.786141 N, 47.784421 E
26	<i>P. esculentus</i>	14,869	m	DNA flow cytometry	32_2015_m	Oshlamoochash	56.812210 N, 47.760231 E
27	<i>P. lessonae</i>	13,714	f	DNA flow cytometry	34_2015_f	Chermyshevo	56.196386 N, 46.519268 E
28	<i>P. esculentus</i>	15,001	m	DNA flow cytometry	34_2015_m	Kuguvan	56.786141 N, 47.784421 E
29	<i>P. ridibundus</i>	16,079	f	DNA flow cytometry	37_2015_f	Chermyshevo	56.196386 N, 46.519268 E
30	<i>P. esculentus</i>	14,922	m	DNA flow cytometry	37_2015_m	Kuguvan	56.786141 N, 47.784421 E
31	<i>P. lessonae</i>	13,767	f	DNA flow cytometry	15_2016_f	Kuguvan	56.786141 N, 47.784421 E
32	<i>P. esculentus</i>	15,065	m	DNA flow cytometry	15_2016_m	Kuguvan	56.786141 N, 47.784421 E
33	<i>P. esculentus</i>	15,129	f	DNA flow cytometry	5_2015_f	Chermyshevo	56.196386 N, 46.519268 E
34	<i>P. ridibundus</i>	16,312	m	DNA flow cytometry	5_2015_m	Oshlamoochash	56.812210 N, 47.760231 E
35	<i>P. esculentus</i>	15,169	f	DNA flow cytometry	8_2015_f	Medvedevo	56.641235 N, 47.752490 E
36	<i>P. lessonae</i>	14,013	m	DNA flow cytometry	8_2015_m	Medvedevo	56.641235 N, 47.752490 E
37	<i>P. esculentus</i>	14,922	f	DNA flow cytometry	9_2015_f	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
38	<i>P. lessonae</i>	13,817	m	DNA flow cytometry	9_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
39	<i>P. esculentus</i>	14,922	f	DNA flow cytometry	23_2015_f	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
40	<i>P. lessonae</i>	13,726	m	DNA flow cytometry	23_2015_m	Kuguvan	56.786141 N, 47.784421 E
41	<i>P. lessonae</i>	13,801	f	DNA flow cytometry	25_2015_f	Chermyshevo	56.196386 N, 46.519268 E
42	<i>P. esculentus</i>	14,987	m	DNA flow cytometry	25_2015_m	Chermyshevo	56.196386 N, 46.519268 E
43	<i>P. ridibundus</i>	15,981	f	DNA flow cytometry	29_2015_f	Medvedevo	56.641235 N, 47.752490 E
44	<i>P. esculentus</i>	14,922	m	DNA flow cytometry	29_2015_m	Krasnooktyabr'skiy	56.681029 N, 47.678995 E
45	<i>P. ridibundus</i>		f	DNA flow cytometry	33_2015_f	Medvedevo	56.641235 N, 47.752490 E
46	<i>P. esculentus</i>	14,975	m	DNA flow cytometry	33_2015_m	Medvedevo	56.641235 N, 47.752490 E

Frogs additionally used for lampbrush chromosome analysis

№	Frog`s species	Genome size	Sex	methods of frogs identification	Frogs id	Locality	Coordinates
1	<i>P. esculentus</i>		f	Karyotyping with FISH	1K_2017_f	Kuguvan	56.786141 N, 47.784421 E
2	<i>P. esculentus</i>		f	Karyotyping with FISH	2K_2017_f	Kuguvan	56.786141 N, 47.784421 E
3	<i>P. esculentus</i>		f	Karyotyping with FISH	3K_2017_f	Kuguvan	56.786141 N, 47.784421 E
4	<i>P. esculentus</i>		f	Karyotyping with FISH	4K_2017_f	Kuguvan	56.786141 N, 47.784421 E
5	<i>P. esculentus</i>		f	Karyotyping with FISH	5K_2017_f	Kuguvan	56.786141 N, 47.784421 E
6	<i>P. esculentus</i>		f	Karyotyping with FISH	1N_2017_f	Nol'ka	56.584767 N, 47.933461 E
7	<i>P. esculentus</i>		f	Karyotyping with FISH	1M_2017_f	Medvedevo	56.641235 N, 47.752490 E
8	<i>P. esculentus</i>		f	Karyotyping with FISH	5_2014_f	Chermyshevo	56.196386 N, 46.519268 E
9	<i>P. esculentus</i>		f	Karyotyping with FISH	2_2014_f	Chermyshevo	56.196386 N, 46.519268 E

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Population system
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Population system
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