

Supplementary Table S6. Ranges of morphometric measurements.

№	Name of strain	Sampling site	Length (µm)	Width proximally (µm)	Width distally at apices (µm)	Stria per 10 µm	Areolae in stria	Areolae in 1 µm
Fra group								
1.	MM99	Lake Baikal, Strait Olkhon Gate	168-177	3.0-3.9	1.1-1.7	19-22	6-10	7
2.	MM101	Lake Baikal, Kurkutsky Bay	161-167	3.2-4.2	0.9-1.4	20-21	6-10	7-8
3.	MM103	Lake Baikal, Kurkutsky Bay	204-237	3.7-4.8	1.0-1.7	12-16	7-10	7-8
4.	MM106	Lake Baikal, Kurkutsky Bay	231-239	3.5-5.2	1.3-1.8	13-14	7-8	n.d.
5.	ACH111	Lake Baikal, Akademician Ridge	150-173	3.0-4.0	1.0-1.4	20-21	7-9	7
6.	MM113	Lake Baikal, Cape Khoboy	150-168	3.4-5.0	0.8-2.0	20-22	7-14	6-7
7.	MM144	Lake Baikal, Strait Olkhon Gate	159-166	2.5-3.4	0.9-1.4	19-22	6-9	7-8
8.	BK146	Lake Baikal, near the settlement of Bolshie Koty	208-222	3.1-4.2	1.2-1.9	11-14	6-7	7
9.	L149	Lake Baikal, Listvennichneyi Bay	150-172	2.5-3.9	1.1-1.9	20-22	8-10	7
10.	L150	Lake Baikal, Listvennichneyi Bay	159-171	2.5-4.0	1.0-1.4	20-22	7-9	7
11.	MM239	Lake Baikal, Strait Olkhon Gate	120-159	3.0-3.6	0.8-1.1	18-21	7-8	7
12.	MM240	Lake Baikal, Strait Olkhon Gate	161-231	3.2-4.4	1.2-2.0	13-22	6-13	6-7
13.	MM243	Lake Baikal, Strait Olkhon Gate	122-159	3.1-4.7	1.0-1.7	20-22	8-11	7

№	Name of strain	Sampling site	Length (µm)	Width proximally (µm)	Width distally at apices (µm)	Stria per 10 µm	Areolae in stria	Areolae in 1 µm
14.	MM245	Lake Baikal, Strait Olkhon Gate	137-191	3.1-4.0	1.1-1.7	20-22	7-10	6-7
15.	MM246	Lake Baikal, Strait Olkhon Gate	148-177	3.3-4.2	1.3-1.9	19-22	7-10	6-7
Fra group (<i>rbcL</i> - n.d.*)								
16.	MM102	Lake Baikal, Kurkutsky Bay	154-224	3.0-4.8	1.2-1.9	14-22	7-8	7
17.	ACH108	Lake Baikal, Akademician Ridge	166-222	2.5-4.3	1.0-3.0	13-21	5-9	6-7
18.	ACH112	Lake Baikal, Akademician Ridge	135-173	2.9-3.8	0.8-1.6	19-22	6-11	6-7
19.	BK145	Lake Baikal, near the settlement of Bolshie Koty	317-331	2.9-4.1	1.1-1.7	13-15	6-7	7
20.	L148	Lake Baikal, Listvennichneyi Bay	105-171	2.5-4.1	1.0-1.6	19-21	7-9	7
21.	MM242	Lake Baikal, Strait Olkhon Gate	110-149	2.8-3.8	0.9-1.6	20-21	8-10	н.д
21 strains			105-331	2.5-5.2	0.8-1.9	12-22	5-14	6-8
Uln1 group								
1.	MM98	Lake Baikal, Strait Olkhon Gate	230-235	3.6-4.7	1.4-1.9	12-14	8	4-5
2.	MM117	Lake Baikal, Cape Khoboy	133-181	2.2-3.0	0.8-1.8	13-14	6-7	6
3.	MM244	Lake Baikal, Strait Olkhon Gate	195-203	4.1-5.4	1.3-1.8	11-13	7-11	5-6
4.	3B357	Lake Baikal, 3 km from Baikalskoe	90-144	2.7-3.6	0.8-1.6	11-13	5-8	6-7
5.	AxBK280	Lake Baikal, near the settlement of Bolshie Koty	105-241	2.8-5.1	0.9-1.3	13-16	5-8	6

№	Name of strain	Sampling site	Length (µm)	Width proximally (µm)	Width distally at apices (µm)	Stria per 10 µm	Areolae in stria	Areolae in 1 µm
6.	AxA6	Lake Baikal, near the settlement of Bolshie Koty	67-86	3.4-4.6		14-18	7	6
7.	5.0903-A	Lake Khuvsgul	50-157	3-4.8	0.9-1.7	12-15	6-9	5-6
8.	5.0227-F	Lake Matano	92-183	4.1-5.6	1.2-2.7	10-15	7-9	5-6
9.	0.0228-YH	hybrid AxBK280 and 5.0903A	211-334	3.8-5	1.6-2.4	13-15	6-10	5-6
10.	0.0228-YD	hybrid AxBK280 and 5.0903A	169-280	4-6.3	1.1-2	13-18	7-11	5-6
11.	0.0228-B	hybrid AxBK280 and 5.0903A	78-102	3.3-4.7	1.4-2.1	13-16	6-9	5-6
12.	0.0319-YB	hybrid AxBK280 and 5.0227-F	212-266	3.5-4.6	1.4-2	13-16	6-9	5-6
13.	0.0319-A	hybrid AxBK280 and 5.0227-F	177-280	3.5-5.4	1.5-3.1	12-15	6-10	5-6
Uln1 group (<i>rbcL</i> - n.d.*)								
14.	3B355	Lake Baikal, 3 km from Baikalskoe	190-201	3.0-3.7	0.9-1.4	12-14	7-6	6-7
15.	ACH274	Lake Baikal, Akademician Ridge	212-230	2.5-3.5	1.1-1.6	11-14	5-9	5-6
10 strains (excluding hybrids)			67-235	2.2-5.4	0.8-1.9	11-18	5-11	4-7
Uln2 group								
Uln2a group								
1.	LAB59	Lake Labyntyr	227-241	5.0-5.9	1.7-2.4	10-12	6-10	4-5
Uln2b group								
2.	BZ 1	Bargusinsky Bay	288-375	3.9-5.2	1.6-2.7	10-12	6-8	4
3.	BZ3	Bargusinsky Bay	193-250	3.5-4.9	2.2-3.2	11-13	5-7	5
4.	LAB55	Lake Labyntyr	258-264	4.4-6.3	1.9-2.9	9-11	6-10	4-5
5.	LAB58	Lake Labyntyr	215-220	4.6-5.8	1.8-2.9	10-13	7-9	4-5

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6.	MM121	Lake Baikal, Cape Zunduk	185-343	4.0-5.2	2.2-4.5	10-12	5-11	4-5
7.	BZ251	Lake Baikal, Bargusinsky Bay	323-348	5.1-6.0	2.5-3.5	9-11	7-9	4
8.	L252	Lake Baikal, Listvennichneyi Bay	99-149	3.6-6.3	1.6-3.0	11-13	7-10	4-5
9.	BZ264	Lake Baikal, Bargusinsky Bay	241-345	4.4-5.0	2.0-2.8	10-12	6-7	4
10.	ChZ442	Lake Baikal, Chivyrkuysky Bay	303-417	4.0-5.4	2.1-4.0	10-11	6-7	4
Uln2 group (<i>rbcL</i> - n.d. *)								
11.	BZ7	Lake Baikal, Bargusinsky Bay	370-427	4.2-5.5	1.9-2.9	11-12	6-9	4
12.	BZ40	Lake Baikal, Bargusinsky Bay	340-347	4.2-5.6	1.8-2.5	11-12	6-8	н.д.
13.	LAB57	Lake Labyntyr	232-238	4.4-5.8	2.0-2.9	10-12	6-8	4
14.	LAB62	Lake Labyntyr	235-240	5.5-6.4	2.3-3.3	11-12	7-9	н.д.
15.	LAB62/1	Lake Labyntyr	267-274	5.4-6.4	1.4-3.0	9-10	8-10	н.д.
15 strains			99-427	3.5-6.4	1.4-4.5	9-13	6-11	4-5

* - Strains for which the *rbcL* genes have not been sequenced.