

**Table S2.** Compensatory base changes (CBCs) and uncorrected p-distances among the ITS-2 DNA barcodes of *Microglena*. The upper-right half of the table shows the total number of compensatory changes (CBC/Hemi-CBCs), while the lower-left half gives the uncorrected p-distances calculated in PAUP.

Species	CBC	<i>M. antarctica</i>	<i>M. charkoviensis</i>	<i>M. coccifera</i>	<i>M. opisthopyren</i>	<i>M. lobata</i>	<i>M. braunii</i>	<i>M. media</i>	<i>M. indica</i>	<i>M. basinucleata</i>	<i>M. monadina</i>	<i>M. globulifera</i>	<i>M. reginae</i>	<i>M. uva-maris</i>	<i>M. opisthopyren</i>	<i>M. redcarensis</i>	<i>M. media</i>	<i>M. longirubra</i>
uncorrected p-distance	strains	IMA076A; ICE-L; ICE-W; CCCryo 309-06	ACKU 267-03; ACKU 274-03	SAG 54.91; SAG 55.91	SAG 8.87	SAG 31.72	SAG 50.86	SAG 16.90	SAG 46.96	SAG 67.72	SAG 55.72	CCAC 0015; CCAC 0017	SAG 17.89	SAG 19.89	NIES-2744	SAG 18.89	NIES-2743	SAG 5.92
<i>M. antarctica</i>	IMA076A; ICE-L; ICE-W; CCCryo 309-06	—	15 (9/6)	13 (7/6)	17 (10/7)	19 (9/10)	21 (10/11)	18 (8/10)	19 (9/10)	17 (8/9)	17 (7/10)	18 (8/10)	18 (8/10)	16 (6/10)	17 (9/8)	11 (5/6)	18 (8/10)	16 (9/7)
<i>M. charkoviensis</i>	ACKU 267-03; ACKU 274-03	0.19818	—	5 (4/1)	6 (3/3)	7 (2/5)	10 (4/6)	7 (3/4)	10 (5/5)	13 (4/9)	5 (1/4)	9 (2/7)	12 (4/8)	13 (5/8)	6 (3/3)	13 (7/6)	9 (4/5)	10 (4/6)
<i>M. coccifera</i>	SAG 54.91; SAG 55.91	0.20439	0.09966	—	1 (0/1)	5 (2/3)	6 (2/4)	6 (3/3)	9 (6/3)	11 (5/6)	4 (1/3)	7 (1/6)	9 (4/5)	12 (5/7)	2 (0/2)	11 (4/7)	6 (3/3)	4 (0/4)
<i>M. opisthopyren</i>	SAG 8.87	0.21865	0.06980	0.02941	—	6 (2/4)	7 (2/5)	7 (3/4)	10 (6/4)	12 (7/5)	3 (1/2)	9 (3/6)	11 (6/5)	13 (7/6)	2 (0/2)	12 (6/6)	7 (3/4)	4 (1/3)
<i>M. lobata</i>	SAG 31.72	0.22656	0.08925	0.09163	0.07591	—	3 (2/1)	11 (2/9)	10 (2/8)	10 (6/4)	4 (2/2)	10 (1/9)	11 (3/8)	14 (5/9)	7 (2/5)	16 (5/11)	10 (2/8)	8 (3/5)
<i>M. braunii</i>	SAG 50.86	0.24325	0.11580	0.08655	0.07161	0.04682	—	12 (3/9)	14 (5/9)	10 (5/5)	5 (2/3)	13 (3/10)	14 (5/9)	16 (6/10)	8 (2/6)	18 (6/12)	11 (3/8)	9 (3/6)
<i>M. media</i>	SAG 16.90	0.21365	0.10320	0.11386	0.08494	0.10999	0.14542	—	4 (1/3)	12 (5/7)	8 (3/5)	11 (3/8)	12 (5/7)	15 (7/8)	7 (3/4)	13 (6/7)	1 (0/1)	11 (3/8)
<i>M. indica</i>	SAG 46.96	0.23060	0.11329	0.14203	0.11814	0.10609	0.14720	0.05314	—	13 (6/7)	9 (4/5)	12 (4/8)	12 (6/6)	16 (8/8)	8 (6/2)	14 (7/7)	3 (1/2)	14 (6/8)
<i>M. basinucleata</i>	SAG 67.72	0.20679	0.13654	0.15406	0.15020	0.14156	0.12581	0.14967	0.14962	—	5 (3/2)	16 (5/11)	14 (7/7)	13 (6/7)	11 (6/5)	15 (7/8)	12 (5/7)	12 (6/6)
<i>M. monadina</i>	SAG 55.72	0.20264	0.04942	0.05792	0.03312	0.06396	0.05829	0.09970	0.10473	0.07864	—	9 (2/7)	9 (3/6)	10 (4/6)	3 (1/2)	14 (5/9)	8 (3/5)	6 (1/5)
<i>M. globulifera</i>	CCAC 0015; CCAC 0017	0.22084	0.08170	0.08114	0.08786	0.09668	0.12774	0.11591	0.11990	0.16785	0.09284	—	10 (3/7)	15 (6/9)	10 (2/8)	16 (8/8)	11 (3/8)	11 (2/9)
<i>M. reginae</i>	SAG 17.89	0.19848	0.14844	0.14443	0.14934	0.14435	0.16822	0.15068	0.16164	0.18411	0.13052	0.11659	—	14 (9/5)	11 (5/6)	15 (7/8)	12 (6/6)	9 (4/5)
<i>M. uva-maris</i>	SAG 19.89	0.17233	0.14784	0.16281	0.15591	0.15239	0.16701	0.17539	0.18602	0.15894	0.12017	0.16289	0.17782	—	11 (6/5)	14 (5/9)	14 (6/8)	14 (7/7)
<i>M. opisthopyren</i>	NIES-2744	0.21023	0.06982	0.04357	0.01452	0.08388	0.07907	0.08430	0.10321	0.13491	0.03407	0.08755	0.14125	0.14699	—	12 (6/6)	6 (3/3)	5 (0/5)
<i>M. redcarensis</i>	SAG 18.89	0.11230	0.18825	0.17312	0.16705	0.19173	0.20699	0.17402	0.19444	0.18974	0.16668	0.21519	0.19735	0.14330	0.16614	—	13 (6/7)	15 (7/8)
<i>M. media</i>	NIES-2743	0.21396	0.11311	0.11269	0.08531	0.10286	0.13828	0.00761	0.04503	0.14692	0.10074	0.11529	0.15765	0.17150	0.07539	0.17380	—	11 (3/8)
<i>M. longirubra</i>	SAG 5.92	0.19868	0.10739	0.05102	0.03789	0.09900	0.09431	0.11720	0.15034	0.14719	0.05801	0.09556	0.13558	0.16338	0.03744	0.17934	0.11677	—