

Table S1: Main morphometric data on the investigated *Urotricha nais* strain CIL-2017/19 from Lake Faselfad and *Urotricha globosa* from Lake Hairlach. Measurements in μm . CV = coefficient of variation in %, M = median, IV = *in vivo*, Max = maximum, Mean = arithmetic mean, Meth. = applied methods, Min = minimum, n = number of specimens investigated, P = after protargol staining (Foissner's method), QPS = after quantitative protargol staining, SD = standard deviation.

Character	Strain	Meth.	Mean	M	SD	SE	CV	Min	Max	n
Cell, length	<i>U. nais</i>	IV	24.4	23.0	5.1	1.1	21.1	16.9	34.8	21
		P	13.6	13.1	2.2	0.5	16.0	10.3	17.5	19
	<i>U. globosa</i>	QPS	14.3	15.0	1.9	0.4	2.9	11.0	17.0	21
Cell, width	<i>U. nais</i>	IV	19.6	18.3	4.1	0.9	20.7	14.5	28.9	21
		P	11.0	11.0	1.7	0.4	15.3	8.3	14.4	19
	<i>U. globosa</i>	QPS	11.8	12.0	1.7	0.4	3.2	9.0	15.0	21
Cell length:width, ratio	<i>U. nais</i>	IV	1.2	1.2	0.1	0.0	9.2	1.1	1.5	21
		P	1.2	1.2	0.1	0.0	11.1	1.1	1.5	19
	<i>U. globosa</i>	QPS	1.2	1.2	0.1	0.0	1.4	1.1	1.4	21
Distance between circumoral kinety and somatic kineties	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	1.4	1.0	0.5	0.1	7.3	1.0	2.0	21
Unciliated posterior portion, length	<i>U. nais</i>	P	4.1	4.1	0.6	0.2	15.0	2.8	4.9	13
	<i>U. globosa</i>	QPS	4.5	4.0	1.0	0.2	5.0	3.0	7.0	21
Caudal cilia, length	<i>U. nais</i>	IV	10.8	10.8	2.4	0.5	21.8	7.1	16.6	21
		P	7.4	7.5	1.7	0.5	22.7	5.1	10.7	13
	<i>U. globosa</i>	QPS	5.5	6.0	0.9	0.2	3.7	3.0	7.0	21
Caudal cilia, number	<i>U. nais</i>	IV	1.0	1.0	0.0	0.0	0.0	1.0	1.0	21
		P	1.0	1.0	0.0	0.0	0.0	1.0	1.0	13
	<i>U. globosa</i>	QPS	1.0	1.0	0.0	0.0	0.0	1.0	1.0	21
Somatic cilia, length	<i>U. nais</i>	IV	5.4	5.9	1.1	0.2	20.0	3.8	7.2	21
		P	4.7	-	0.7	0.2	15.7	3.5	6.3	20
	<i>U. globosa</i>	QPS	4.6	5.0	0.7	0.2	3.9	4.0	6.0	13
Somatic kineties, number	<i>U. nais</i>	P	17.2	-	1.3	0.4	7.6	15.0	19.0	14
	<i>U. globosa</i>	QPS	20.8	21.0	2.2	0.5	2.3	16.0	24.0	21
Cilia in an anteriorly unshortened somatic kinety, number	<i>U. nais</i>	P	8.9	-	1.1	0.3	12.0	8.0	11.0	14
	<i>U. globosa</i>	QPS	6.8	7.0	0.8	0.2	2.7	5.0	8.0	21
Adoral organelle 1, length	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	2.0	-	0.0	0.0	0.0	2.0	2.0	4
Adoral organelle 2, length	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	1.0	-	0.0	0.0	0.0	1.0	1.0	4
Dikinetids in adoral organelle 1, number	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	4.0	4.0	0.0	0.0	0.0	4.0	4.0	5
Dikinetids in adoral organelle 2, number	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	2.0	2.0	0.0	0.0	0.0	2.0	2.0	5
Circumoral dikinetids/oral flaps, number	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	10.2	10.0	1.3	0.3	2.7	8.0	13.0	21
Oral flaps, length	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	1.9	-	0.2	0.1	2.9	1.5	2.0	18
Macronucleus, length	<i>U. nais</i>	IV	6.0	5.9	1.7	0.4	28.6	4.1	10.6	21
		P	4.9	5.0	0.7	0.2	14.7	4.0	6.5	19

	<i>U. globosa</i>	QPS	4.4	4.0	0.9	0.2	4.3	3.0	6.0	21
Macronucleus, width	<i>U. nais</i>	IV	5.8	5.7	1.6	0.4	27.9	4.0	10.5	21
		P	4.1	4.0	0.5	0.1	11.9	3.4	5.2	19
	<i>U. globosa</i>	QPS	3.2	3.0	0.6	0.1	4.2	2.0	5.0	21
Anterior cell end to macronucleus, distance	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	3.9	4.0	0.9	0.2	5.2	3.0	6.0	21
Micronucleus, length	<i>U. nais</i>	IV	2.1	2.1	0.6	0.1	27.6	1.1	3.3	21
		P	1.7	-	0.7	0.3	41.9	1.3	2.3	6
	<i>U. globosa</i>	QPS	1.2	1.0	0.3	0.1	5.4	1.0	2.0	21
Micronucleus, width	<i>U. nais</i>	IV	2.0	1.9	0.8	0.2	42.0	1.2	4.9	21
		P	1.6	-	0.5	0.2	31.1	1.2	1.9	6
	<i>U. globosa</i>	QPS	1.2	1.0	0.3	0.1	5.4	1.0	2.0	21
Oral basket, distal diameter	<i>U. nais</i>	P	4.3	4.3	0.6	0.1	13.4	3.2	5.3	15
	<i>U. globosa</i>	QPS	4.0	4.0	0.4	0.1	2.1	3.0	5.0	21
Oral basket, length	<i>U. nais</i>	P	-	-	-	-	-	-	-	-
	<i>U. globosa</i>	QPS	7.3	7.0	1.9	0.4	5.7	5.0	10.0	21
Oral basket width:cell width	<i>U. nais</i>	P	0.4	0.4	0.1	0.0	18.1	0.3	0.5	15
	<i>U. globosa</i>	QPS	0.3	0.3	0.1	0.0	3.4	0.3	0.4	21
Extrusomes, length	<i>U. nais</i>	IV	1.8	1.8	0.5	0.1	26.9	1.0	2.7	21
		P	1.0	1.0	0.1	0.0	7.0	0.9	1.1	7
	<i>U. globosa</i>	QPS	1.3	1.2	0.2	0.0	3.5	1.0	1.5	21