Supplementary Table S1. Morphometric data on 94 specimens belonging to six clevelandellid morphospecies.

Morphospecies	Specimen	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16
C. constricta	Ccon TH 1 Paa	128.0	32.0	4.0	26.0	19.0	20.3	34.0	84.0	19.0	16.0	1.2	A	2	64.0	50.0	57
	Ccon TH 2 Paa	103.0	24.0	4.3	24.0	16.0	23.3	24.0	67.0	16.0	15.0	1.1	A	2	55.0	53.4	50
	Ccon TH 3 Paa	150.0	30.0	5.0	27.0	24.0	18.0	40.0	91.0	19.0	15.0	1.3	A	2	73.0	48.7	58
	Ccon TH 4 Paa	114.0	34.0	3.4	17.0	18.0	14.9	29.0	71.0	18.0	16.0	1.1	A	2	56.0	49.1	52
	Ccon TH 5 Paa	81.0	22.0	3.7	13.0	16.0	16.0	20.0	51.0	15.0	11.0	1.4	A	2	38.0	46.9	37
	Ccon TH 6 Paa	144.0	31.0	4.6	28.0	12.0	19.4	35.0	94.0	20.0	15.0	1.3	A	2	72.0	50.0	56
	Ccon TH 7 Paa	126.0	33.0	3.8	21.0	15.0	16.7	33.0	75.0	20.0	15.0	1.3	A	2	60.0	47.6	53
	Ccon TH 8 Paa	95.0	22.0	4.3	21.0	12.0	22.1	20.0	64.0	18.0	13.0	1.4	A	2	56.0	58.9	54
	Ccon TH 9 Paa	105.0	22.0	4.8	16.0	10.0	15.2	24.0	65.0	16.0	15.0	1.1	A	2	55.0	52.4	50
	Ccon TH 10 Paa	116.0	28.0	4.1	24.0	10.0	20.7	26.0	76.0	19.0	16.0	1.2	A	2	63.0	54.3	60
	Ccon VN 1 Pac	110.0	30.0	3.7	23.0	20.0	20.9	23.0	73.0	24.0	18.0	1.3	A	2	60.0	54.5	58
	Ccon VN 2 Pac	95.0	28.0	3.4	12.0	20.0	12.6	24.0	55.0	21.0	15.0	1.4	A	2	46.0	48.4	50
	Ccon VN 3 Pac	133.0	44.0	3.0	18.0	20.0	13.5	34.0	83.0	28.0	16.0	1.8	A	2	55.0	41.4	59
	Ccon VN 4 Pac	96.0	25.0	3.8	20.0	17.0	20.8	21.0	58.0	20.0	16.0	1.3	A	2	48.0	50.0	55
	Ccon VN 5 Pac	111.0	29.0	3.8	19.0	19.0	17.1	28.0	65.0	21.0	15.0	1.4	A	2	51.0	45.9	57
	Ccon VN 6 Pac	87.0	26.0	3.3	14.0	18.0	16.1	19.0	53.0	20.0	15.0	1.3	A	2	47.0	54.0	51
	Ccon VN 7 Pac	109.0	29.0	3.8	14.0	17.0	12.8	23.0	67.0	24.0	20.0	1.2	A	2	53.0	48.6	56
	Ccon VN 8 Pac	100.0	27.0	3.7	15.0	15.0	15.0	26.0	59.0	23.0	15.0	1.5	A	2	46.0	46.0	52
	Ccon VN 9 Pac	101.0	25.0	4.0	15.0	17.0	14.9	25.0	57.0	21.0	16.0	1.3	A	2	48.0	47.5	54
	Ccon VN 10 Pac	110.0	26.0	4.2	18.0	20.0	16.4	26.0	64.0	22.0	20.0	1.1	A	2	51.0	46.4	58
C. hastula	Chast VN 01 Pac	79.0	30.0	2.6	31.0	9.0	39.2	16.0	50.0	17.0	11.0	1.5	B	0	34.0	43.0	33
	Chast VN 02 Pac	70.0	23.0	3.0	29.0	12.0	41.4	13.0	43.0	15.0	11.0	1.4	B	0	35.0	50.0	31
	Chast VN 03 Pac	80.0	27.0	3.0	33.0	11.0	41.3	13.0	51.0	20.0	13.0	1.5	B	0	34.0	42.5	32
	Chast VN 04 Pac	84.0	24.0	3.5	34.0	12.0	40.5	16.0	53.0	16.0	12.0	1.3	B	0	30.0	35.7	32
	Chast VN 05 Pac	87.0	28.0	3.1	33.0	12.0	37.9	17.0	52.0	20.0	12.0	1.7	B	0	36.0	41.4	32

Morphospecies	Specimen	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16
C. hastula	Chast VN 06 Pac	83.0	28.0	3.0	34.0	12.0	41.0	15.0	53.0	19.0	14.0	1.4	B	0	35.0	42.2	35
	Chast VN 07 Pac	86.0	29.0	3.0	29.0	15.0	33.7	17.0	51.0	23.0	15.0	1.5	B	0	34.0	39.5	32
	Chast VN 08 Pac	66.0	24.0	2.8	23.0	11.0	34.8	11.0	40.0	16.0	12.0	1.3	B	0	31.0	47.0	30
	Chast VN 09 Pac	70.0	25.0	2.8	24.0	9.0	34.3	11.0	44.0	16.0	12.0	1.3	B	0	35.0	50.0	35
	Chast VN 10 Pac	79.0	30.0	2.6	30.0	10.0	38.0	15.0	50.0	20.0	13.0	1.5	B	0	35.0	44.3	31
C. lynni	Clynn TH 01 Paa	93.0	45.0	2.1	31.0	12.0	33.3	15.0	53.0	32.0	18.0	1.8	C	1	49.0	52.7	49
	Clynn TH 02 Paa	95.0	47.0	2.0	33.0	12.0	34.7	18.0	53.0	35.0	18.0	1.9	C	1	46.0	48.4	48
	Clynn TH 03 Paa	93.0	48.0	1.9	32.0	14.0	34.4	15.0	53.0	33.0	21.0	1.6	C	1	51.0	54.8	48
	Clynn TH 04 Paa	92.0	44.0	2.1	32.0	12.0	34.8	20.0	47.0	33.0	17.0	1.9	C	1	45.0	48.9	49
	Clynn TH 05 Paa	89.0	39.0	2.3	31.0	12.0	34.8	15.0	52.0	28.0	18.0	1.6	C	1	49.0	55.1	45
	Clynn TH 06 Paa	95.0	43.0	2.2	32.0	11.0	33.7	18.0	47.0	30.0	16.0	1.9	C	1	47.0	49.5	47
	Clynn TH 07 Paa	90.0	45.0	2.0	33.0	12.0	36.7	16.0	52.0	33.0	17.0	1.9	C	1	46.0	51.1	46
	Clynn TH 08 Paa	86.0	43.0	2.0	31.0	13.0	36.0	17.0	49.0	30.0	17.0	1.8	C	1	45.0	52.3	45
	Clynn TH 09 Paa	102.0	49.0	2.1	32.0	13.0	31.4	20.0	54.0	38.0	19.0	2.0	C	1	49.0	48.0	48
	Clynn TH 10 Paa	105.0	53.0	2.0	35.0	12.0	33.3	20.0	61.0	37.0	22.0	1.7	C	1	55.0	52.4	51
C. panesthiae	Cpane TH 01 Paa	97.0	50.0	1.9	22.0	15.0	22.7	19.0	44.0	41.0	22.0	1.9	D	2	40.0	41.2	44
	Cpane TH 02 Paa	86.0	50.0	1.7	17.0	16.0	19.8	19.0	36.0	39.0	20.0	2.0	D	2	47.0	54.7	43
	Cpane TH 03 Paa	104.0	56.0	1.9	20.0	19.0	19.2	15.0	53.0	41.0	18.0	2.3	D	2	57.0	54.8	48
	Cpane TH 04 Paa	102.0	51.0	2.0	20.0	15.0	19.6	14.0	48.0	44.0	23.0	1.9	D	2	45.0	44.1	46
	Cpane TH 05 Paa	85.0	41.0	2.1	20.0	15.0	23.5	16.0	41.0	34.0	18.0	1.9	D	2	42.0	49.4	43
	Cpane TH 06 Paa	92.0	42.0	2.2	20.0	12.0	21.7	19.0	41.0	36.0	17.0	2.1	D	2	44.0	47.8	45
	Cpane TH 07 Paa	87.0	44.0	2.0	20.0	13.0	23.0	19.0	38.0	36.0	18.0	2.0	D	2	37.0	42.5	46
	Cpane TH 08 Paa	101.0	50.0	2.0	17.0	15.0	16.8	20.0	46.0	41.0	22.0	1.9	D	2	46.0	45.5	44
	Cpane TH 09 Paa	89.0	44.0	2.0	19.0	14.0	21.3	18.0	42.0	37.0	19.0	1.9	D	2	42.0	47.2	44
	Cpane TH 10 Paa	87.0	44.0	2.0	16.0	13.0	18.4	13.0	41.0	35.0	20.0	1.8	D	2	44.0	50.6	46
	Cpane VN 01 Pac	90.0	37.0	2.4	25.0	15.0	27.8	18.0	45.0	33.0	22.0	1.5	D	2	47.0	52.2	50
	Cpane VN 02 Pac	105.0	41.0	2.6	25.0	13.0	23.8	22.0	53.0	32.0	25.0	1.3	D	2	51.0	48.6	46

Morphospecies	Specimen	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16
C. panesthiae	Cpane VN 03 Pac	111.0	41.0	2.7	22.0	12.0	19.8	23.0	45.0	40.0	19.0	2.1	D	2	53.0	47.7	47
	Cpane VN 04 Pac	98.0	41.0	2.4	26.0	13.0	26.5	20.0	40.0	39.0	21.0	1.9	D	2	45.0	45.9	44
C. parapanesthiae	Cpara TH 01 Paa	85.0	48.0	1.8	20.0	11.0	23.5	21.0	26.0	44.0	16.0	2.8	E	1	35.0	41.2	36
	Cpara TH 02 Paa	93.0	54.0	1.7	23.0	12.0	24.7	24.0	27.0	47.0	17.0	2.8	E	1	41.0	44.1	39
	Cpara TH 03 Paa	60.0	34.0	1.8	15.0	10.0	25.0	10.0	30.0	27.0	13.0	2.1	E	1	34.0	56.7	30
	Cpara TH 04 Paa	82.0	43.0	1.9	23.0	10.0	28.0	18.0	26.0	40.0	15.0	2.7	E	1	40.0	48.8	40
	Cpara TH 05 Paa	69.0	39.0	1.8	17.0	10.0	24.6	16.0	21.0	36.0	12.0	3.0	E	1	39.0	56.5	39
	Cpara TH 06 Paa	77.0	45.0	1.7	19.0	11.0	24.7	18.0	21.0	41.0	15.0	2.7	E	1	35.0	45.5	39
	Cpara TH 07 Paa	74.0	40.0	1.9	18.0	10.0	24.3	18.0	23.0	38.0	15.0	2.5	E	1	38.0	51.4	37
	Cpara TH 08 Paa	86.0	49.0	1.8	19.0	12.0	22.1	21.0	29.0	41.0	12.0	3.4	E	1	36.0	41.9	37
	Cpara TH 09 Paa	73.0	40.0	1.8	17.0	10.0	23.3	18.0	21.0	37.0	12.0	3.1	E	1	35.0	47.9	39
	Cpara TH 10 Paa	89.0	50.0	1.8	19.0	10.0	21.3	21.0	27.0	44.0	17.0	2.6	E	1	38.0	42.7	40
	Cpara VN 01 Pac	70.0	34.0	2.1	17.0	12.0	24.3	14.0	27.0	31.0	14.0	2.2	E	1	35.0	50.0	35
	Cpara VN 02 Pac	63.0	36.0	1.8	14.0	11.0	22.2	12.0	24.0	30.0	13.0	2.3	E	1	35.0	55.6	37
	Cpara VN 03 Pac	65.0	33.0	2.0	16.0	12.0	24.6	13.0	30.0	27.0	14.0	1.9	E	1	33.0	50.8	34
	Cpara VN 04 Pac	67.0	32.0	2.1	16.0	12.0	23.9	13.0	31.0	29.0	14.0	2.1	E	1	30.0	44.8	30
	Cpara VN 05 Pac	74.0	35.0	2.1	17.0	13.0	23.0	15.0	32.0	34.0	17.0	2.0	E	1	37.0	50.0	38
	Cpara VN 06 Pac	79.0	40.0	2.0	17.0	11.0	21.5	18.0	33.0	35.0	16.0	2.2	E	1	36.0	45.6	39
	Cpara VN 07 Pac	75.0	40.0	1.9	16.0	12.0	21.3	16.0	37.0	33.0	17.0	1.9	E	1	34.0	45.3	39
	Cpara VN 08 Pac	65.0	31.0	2.1	16.0	12.0	24.6	13.0	28.0	26.0	14.0	1.9	E	1	31.0	47.7	34
	Cpara VN 09 Pac	78.0	37.0	2.1	18.0	14.0	23.1	18.0	32.0	33.0	15.0	2.2	E	1	34.0	43.6	38
	Cpara VN 10 Pac	67.0	35.0	1.9	17.0	11.0	25.4	13.0	29.0	31.0	16.0	1.9	E	1	39.0	58.2	36
P. brevis	Pbrev TH 01 Paa	35.0	22.0	1.6	0.0	0.0	0.0	5.0	16.0	15.0	10.0	1.5	F	2	17.0	48.6	14
	Pbrev TH 02 Paa	29.0	16.0	1.8	0.0	0.0	0.0	5.0	12.0	14.0	6.0	2.3	F	2	16.0	55.2	18
	Pbrev TH 03 Paa	33.0	21.0	1.6	0.0	0.0	0.0	5.0	15.0	16.0	9.0	1.8	F	2	14.0	42.4	16
	Pbrev TH 04 Paa	33.0	18.0	1.8	0.0	0.0	0.0	4.0	15.0	16.0	8.0	2.0	F	2	15.0	45.5	16
	Pbrev TH 05 Paa	30.0	18.0	1.7	0.0	0.0	0.0	3.0	16.0	13.0	7.0	1.9	F	2	15.0	50.0	16

Morphospecies	Specimen	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16
P. brevis	Pbrev TH 06 Paa	35.0	23.0	1.5	0.0	0.0	0.0	4.0	14.0	18.0	12.0	1.5	F	2	14.0	40.0	15
	Pbrev TH 07 Paa	37.0	25.0	1.5	0.0	0.0	0.0	5.0	17.0	17.0	10.0	1.7	F	2	14.0	37.8	15
	Pbrev TH 08 Paa	36.0	21.0	1.7	0.0	0.0	0.0	5.0	15.0	17.0	8.0	2.1	F	2	15.0	41.7	17
	Pbrev TH 09 Paa	29.0	20.0	1.5	0.0	0.0	0.0	5.0	11.0	15.0	7.0	2.1	F	2	15.0	51.7	16
	Pbrev TH 10 Paa	32.0	21.0	1.5	0.0	0.0	0.0	4.0	14.0	16.0	10.0	1.6	F	2	13.0	40.6	14
	Pbrev VN 01 Pac	42.0	25.0	1.7	0.0	0.0	0.0	5.0	22.0	21.0	12.0	1.8	F	2	15.0	35.7	19
	Pbrev VN 02 Pac	43.0	25.0	1.7	0.0	0.0	0.0	7.0	18.0	21.0	12.0	1.8	F	2	16.0	37.2	18
	Pbrev VN 03 Pac	47.0	26.0	1.8	0.0	0.0	0.0	8.0	18.0	23.0	11.0	2.1	F	2	17.0	36.2	20
	Pbrev VN 04 Pac	45.0	24.0	1.9	0.0	0.0	0.0	6.0	20.0	22.0	11.0	2.0	F	2	16.0	35.6	18
	Pbrev VN 05 Pac	41.0	19.0	2.2	0.0	0.0	0.0	6.0	16.0	18.0	9.0	2.0	F	2	15.0	36.6	17
	Pbrev VN 06 Pac	47.0	24.0	2.0	0.0	0.0	0.0	7.0	21.0	21.0	9.0	2.3	F	2	16.0	34.0	17
	Pbrev VN 07 Pac	44.0	24.0	1.8	0.0	0.0	0.0	6.0	17.0	22.0	10.0	2.2	F	2	17.0	38.6	18
	Pbrev VN 08 Pac	42.0	22.0	1.9	0.0	0.0	0.0	6.0	18.0	21.0	10.0	2.1	F	2	17.0	40.5	18
	Pbrev VN 09 Pac	44.0	26.0	1.7	0.0	0.0	0.0	7.0	19.0	22.0	10.0	2.2	F	2	18.0	40.9	16
	Pbrev VN 10 Pac	50.0	30.0	1.7	0.0	0.0	0.0	8.0	25.0	22.0	12.0	1.8	F	2	18.0	36.0	19

Abbreviations: V1 = body length (µm); V2 = body width (µm); V3 = body length:width ratio; V4 = length of peristomial projection (µm); V5 = width of peristomial projection at distal end (µm); V6 = peristomial projection, percentage of body length; V7 = distance of macronucleus from anterior body end (µm); V8 = distance of macronucleus from posterior body end; V9 = length of macronucleus (µm); V10 = width of macronucleus (µm); V11 = length:width ratio of macronucleus; V12 = location of macronucleus (see below); V13 = number of attachment sites of karyophore; V14 = length of adoral zone of membranelles; V15 = adoral zone of membranelles, percentage of body length; V16 = number of adoral membranelles.

A = macronucleus located transversely in anterior body half and attached to right and left cell's margins; B = macronucleus situated slightly obliquely in anterior body half and not attached to cell's margins; C = macronucleus extends slightly obliquely in anterior body half and attached to right cell's margin; D = macronucleus extends slightly obliquely in anterior body half and attached to right and left cell's margins; E = macronucleus extends along right body margin and attached to the right cell's margin; F = macronucleus situated in anterior body half and attached to anterior cell's pole.