

Supplementary material

**Variations in body-size spectra of periphytic ciliates at different depths:
a case study in coastal waters of the Yellow Sea**

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Table S1. Body-size rank data of ciliates communities with cumulative contribution to each rank in coastal waters of the Yellow Sea, northern China including depth distribution, body-size rank, functional groups, abundance and occurrence at four water depths

Dist., depth distribution (+, present; -, absent); Rk, body-size ranks; S1– S7, body-size ranks; FG, functional groups; *N*, abundance (individuals cm⁻²): – = 0, + = 1–5, ++ = 6–50, +++ = 51–100, ++++ > 100; *fr*, frequency percentage (%)

Species	Dist.	Rk	FG	1 m		2 m		3.5 m		5 m	
				<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>
<i>Acinertia incurvata</i>	—+	S2	R	–	0	–	0	–	0	–	100
<i>Amphisiella annulata</i>	—+	S4	N	–	0	–	100	–	0	–	0
<i>Anteholosticha pulchra</i>	++–	S5	A	++++	98.86	+	1.14	–	0	–	0
<i>Anteholosticha warreni</i>	—++	S4	A	–	0	++	96	–	4	–	0
<i>Apokeronopsis crassa</i>	+++–	S6	A	++	95.65	–	2.17	–	2.17	–	0
<i>Aspidisca aculeata</i>	++++	S1	B	++	29.93	+++	40.15	++	25.55	++	4.38
<i>Aspidisca leptaspis</i>	++++	S3	B	++++	82.35	++	10.50	++	3.36	++	3.78
<i>Aspidisca magna</i>	++++	S4	B	++	10.28	+++	79.44	+	3.74	++	6.54
<i>Aspidisca orthopogon</i>	+—	S4	B	++	100	–	0	–	0	–	0
<i>Aspidisca steini</i>	++++	S1	B	–	0.58	++	21.97	++	27.75	+++	49.71
<i>Coeloperix sleighi</i>	—++	S2	A	–	0	+	40	+	60	–	0
<i>Cyrtohymena marina</i>	+—	S4	N	–	100	–	0	–	0	–	0
<i>Diophrys appendiculata</i>	++++	S3	A	++	11.54	++	51.28	++	32.05	+	5.13
<i>Discocephalus ehrenbergi</i>	++–	S4	N	–	50	–	50	–	0	–	0
<i>Ephelota crustaceorum</i>	—+	S6	R	–	0	+	100	–	0	–	0
<i>Ephelota mammillata</i>	—++	S7	R	–	0	++	82.61	++	17.39	–	0
<i>Ephelota truncata</i>	—+	S7	R	–	0	+	100	–	0	–	0
<i>Euplotes charon</i>	—+	S5	N	–	0	–	100	–	0	–	0
<i>Euplotes minuta</i>	++++	S4	N	++	29.55	++	34.09	++	18.18	++	18.18
<i>Euplotes raikovi</i>	++++	S3	N	+	13.33	++	26.67	+	16.67	++	43.33
<i>Euplotes rarisetia</i>	+++–	S2	N	++	43.75	++	43.75	+	12.5	–	0
<i>Euplotes vannus</i>	++++	S5	N	+	28.57	+	28.57	–	0	+	42.86
<i>Hartmannula derouxi</i>	—+	S4	A	–	0	+	100	–	0	–	0
<i>Holosticha bradburyae</i>	++++	S5	A	++++	93.20	++	4.83	++	1.66	+	0.30
<i>Holosticha heterofoissneri</i>	+—	S4	A	+	100	–	0	–	0	–	0
<i>Litonotus blattereri</i>	—+	S3	A	–	0	–	0	+	100	–	0
<i>Litonotus paracygnus</i>	+++–	S5	A	+	20	+	50	+	30	–	0
<i>Litonotus songi</i>	—+	S3	A	–	0	–	0	–	0	–	100
<i>Litonotus yinae</i>	—++	S2	A	–	0	–	10	++	90	–	0

Species	Dist.	Rk	FG	1 m		2 m		3.5 m		5 m	
				<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>	<i>N</i>	<i>fr</i>
<i>Loxophyllum giuianum</i>	+++	S6	A	–	20	–	0	+	80	–	0
<i>Loxophyllum simplex</i>	+–	S5	A	–	100	–	0	–	0	–	0
<i>Loxophyllum sinicum</i>	+++	S5	A	–	0	+	83.33	–	16.67	–	0
<i>Metaurostyloopsis marina</i>	++	S5	N	+	42.86	–	0	–	0	+	57.14
<i>Metaurostyloopsis salina</i>	+++	S3	N	–	0	+	44.44	+	55.56	–	0
<i>Metaurostyloopsis sinica</i>	+–	S4	N	+	100	–	0	–	0	–	0
<i>Orthodonella apohamatus</i>	++	S3	A	+++	91.46	++	8.54	–	0	–	0
<i>Orthodonella gutta</i>	+–	S5	A	+	100	–	0	–	0	–	0
<i>Oxytricha saltans</i>	+++	S2	R	–	0	+	50	+	50	–	0
<i>Protogastrostyla pulchra</i>	+–	S6	N	+	100	–	0	–	0	–	0
<i>Psammomitra retractilis</i>	+++	S3	N	–	0	++	53.85	+	38.46	–	7.69
<i>Pseudoamphisiella alveolata</i>	+–	S6	N	+	100	–	0	–	0	–	0
<i>Pseudoamphisiella elongata</i>	+++	S4	N	–	0	+	50	+	50	–	0
<i>Pseudokeronopsis flava</i>	+–	S5	A	++	100	–	0	–	0	–	0
<i>Pseudokeronopsis rubra</i>	+++	S6	A	–	0	++	90.70	+	6.98	–	2.33
<i>Pseudovorticella marina</i>	++	S4	B	–	0	–	0	+	100	–	0
<i>Pseudovorticella paraformicata</i>	++	S2	B	–	0	++	100	–	0	–	0
<i>Pseudovorticella verrucosa</i>	+–	S4	B	+	100	–	0	–	0	–	0
<i>Tachysoma dragescoi</i>	+–	S2	N	–	100	–	0	–	0	–	0
<i>Thigmokeronopsis rubra</i>	+–	S5	N	–	100	–	0	–	0	–	0
<i>Uronychia binucleata</i>	++	S6	A	–	0	–	100	–	0	–	0