

Supplement of Biogeosciences, 14, 3067–3082, 2017
<https://doi.org/10.5194/bg-14-3067-2017-supplement>
© Author(s) 2017. This work is distributed under
the Creative Commons Attribution 3.0 License.



Supplement of

Benthic foraminiferal Mn / Ca ratios reflect microhabitat preferences

Karoliina A. Koho et al.

Correspondence to: Karoliina A. Koho (karoliina.koho@helsinki.fi)

The copyright of individual parts of the supplement might differ from the CC BY 3.0 License.

Figure S1. Mn/Ca ratios individual foraminiferal chambers.

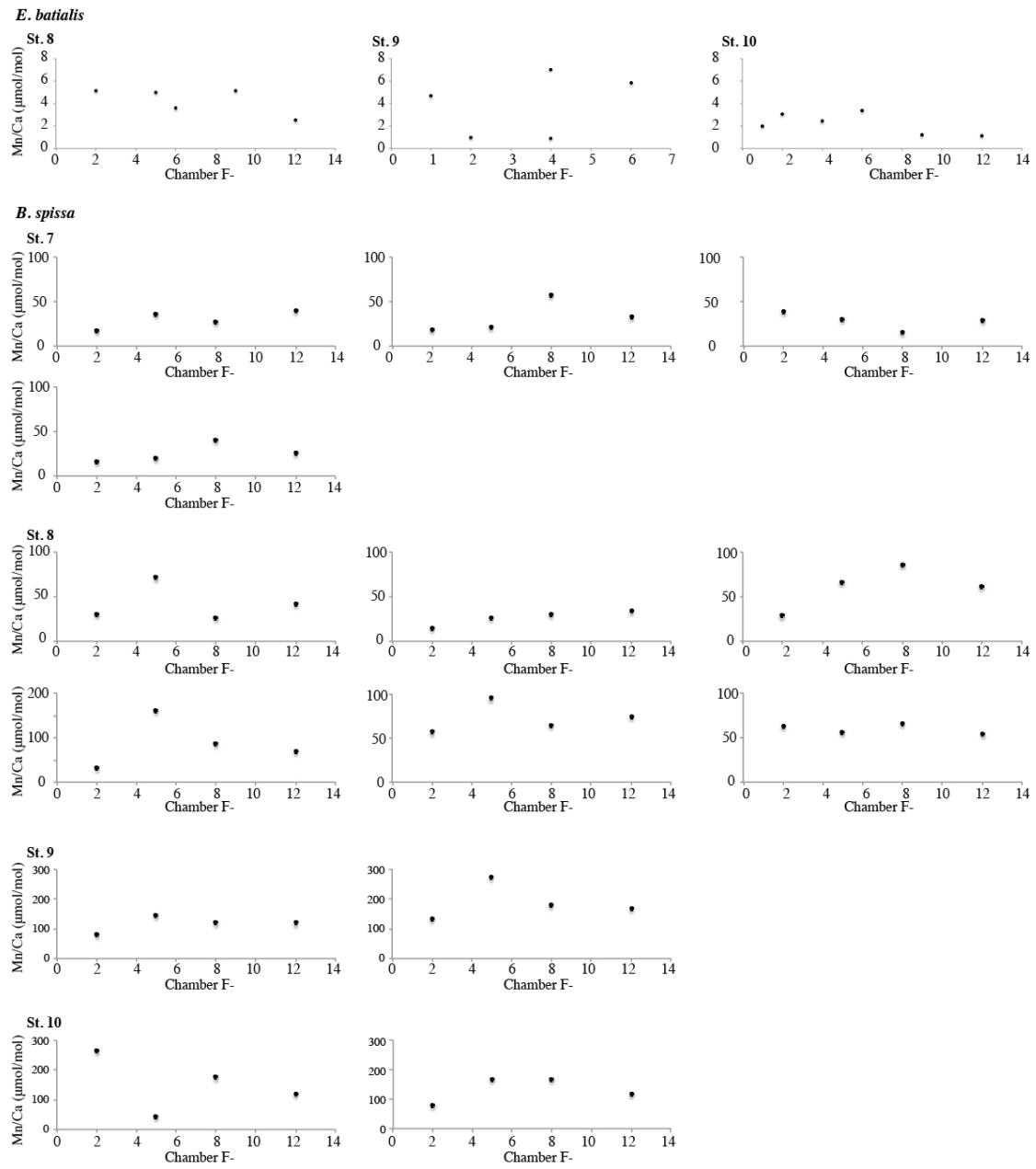


Table S1: Raw elemental data (Mn/Ca ratios in foraminiferal test calcite), Mn/Ca_{sw} data at the average living depth (ALD) of each foraminiferal species, DM_n-values, the average Mn/Ca ratios for each species per station and pore water Mn data

i.d	Species	Station	Chamber F=	Sed depth (cm)	Mn/Ca μmol/mol	ALD cm	Mn/Ca _{sw} at ALD μmol/mol	DM _n
30	<i>E. batialis</i>	7	4	0-0.5	12.58	0.4	no data	
30	<i>E. batialis</i>	7	2	0-0.5	33.78	0.4	no data	
30	<i>E. batialis</i>	7	6	0-0.5	10.85	0.4	no data	
31	<i>E. batialis</i>	8	4	0-0.5	4.41	0.8	212.3	0.02
31	<i>E. batialis</i>	8	2	0-0.5	14.36	0.8	212.3	0.07
31	<i>E. batialis</i>	8	6	0-0.5	9.39	0.8	212.3	0.04
32	<i>E. batialis</i>	8	4	0-0.5	22.78	0.8	212.3	0.11
32	<i>E. batialis</i>	8	6	0-0.5	6.97	0.8	212.3	0.03
33	<i>E. batialis</i>	8	4	0-0.5	13.00	0.8	212.3	0.06
33	<i>E. batialis</i>	8	6	0-0.5	17.98	0.8	212.3	0.08
34	<i>E. batialis</i>	8	4	0-0.5	6.77	0.8	212.3	0.03
34	<i>E. batialis</i>	8	2	0-0.5	8.48	0.8	212.3	0.04
34	<i>E. batialis</i>	8	6	0-0.5	12.96	0.8	212.3	0.06
35	<i>E. batialis</i>	8	5	0-0.5	4.93	0.8	212.3	0.02
35	<i>E. batialis</i>	8	9	0-0.5	5.12	0.8	212.3	0.02
35	<i>E. batialis</i>	8	12	0-0.5	2.56	0.8	212.3	0.01
35	<i>E. batialis</i>	8	2	0-0.5	5.10	0.8	212.3	0.02
35	<i>E. batialis</i>	8	6	0-0.5	3.62	0.8	212.3	0.02
36	<i>E. batialis</i>	8	4	0-0.5	4.62	0.8	212.3	0.02
36	<i>E. batialis</i>	8	2	0-0.5	6.17	0.8	212.3	0.03
36	<i>E. batialis</i>	8	6	0-0.5	5.88	0.8	212.3	0.03
37	<i>E. batialis</i>	8	6	0-0.5	10.96	0.8	212.3	0.05
38	<i>E. batialis</i>	8	6	0-0.5	5.10	0.8	212.3	0.02
39	<i>E. batialis</i>	8	6	0-0.5	10.79	0.8	212.3	0.05
40	<i>E. batialis</i>	8	2	0-0.5	16.13	0.8	212.3	0.08
40	<i>E. batialis</i>	8	6	0-0.5	12.07	0.8	212.3	0.06
41	<i>E. batialis</i>	9	4	0-0.5	3.10	0.9	no data	
41	<i>E. batialis</i>	9	2	0-0.5	3.26	0.9	no data	
41	<i>E. batialis</i>	9	6	0-0.5	3.37	0.9	no data	
42	<i>E. batialis</i>	9	4	0-0.5	5.04	0.9	no data	
42	<i>E. batialis</i>	9	6	0-0.5	6.59	0.9	no data	
43	<i>E. batialis</i>	9	4	0-0.5	3.25	0.9	no data	
43	<i>E. batialis</i>	9	2	0-0.5	8.35	0.9	no data	
43	<i>E. batialis</i>	9	6	0-0.5	7.23	0.9	no data	
44	<i>E. batialis</i>	9	4	0-0.5	4.93	0.9	no data	
44	<i>E. batialis</i>	9	2	0-0.5	4.53	0.9	no data	
44	<i>E. batialis</i>	9	6	0-0.5	6.84	0.9	no data	
45	<i>E. batialis</i>	9	4	0-0.5	5.59	0.9	no data	
45	<i>E. batialis</i>	9	2	0-0.5	3.73	0.9	no data	
45	<i>E. batialis</i>	9	6	0-0.5	3.71	0.9	no data	
46	<i>E. batialis</i>	9	4	0-0.5	7.32	0.9	no data	

46	<i>E. batialis</i>	9	6	0.-0.5	11.92	0.9	no data	
47	<i>E. batialis</i>	9	4	0-0.5	5.63	0.9	no data	
47	<i>E. batialis</i>	9	6	0.-0.5	7.15	0.9	no data	
48	<i>E. batialis</i>	9	4	0-0.5	0.92	0.9	no data	
48	<i>E. batialis</i>	9	1	0-0.5	4.74	0.9	no data	
48	<i>E. batialis</i>	9	4	0-0.5	7.08	0.9	no data	
48	<i>E. batialis</i>	9	2	0.-0.5	0.98	0.9	no data	
48	<i>E. batialis</i>	9	6	0.-0.5	5.86	0.9	no data	
49	<i>E. batialis</i>	10	9	0-0.5	1.24	1.2	154.8	0.01
49	<i>E. batialis</i>	10	1	0-0.5	2.00	1.2	154.8	0.01
49	<i>E. batialis</i>	10	4	0-0.5	2.51	1.2	154.8	0.02
49	<i>E. batialis</i>	10	12	0-0.5	1.13	1.2	154.8	0.01
49	<i>E. batialis</i>	10	2	0.-0.5	3.06	1.2	154.8	0.02
49	<i>E. batialis</i>	10	6	0.-0.5	3.39	1.2	154.8	0.02
50	<i>E. batialis</i>	10	4	0-0.5	2.22	1.2	154.8	0.01
50	<i>E. batialis</i>	10	2	0.-0.5	1.51	1.2	154.8	0.01
50	<i>E. batialis</i>	10	6	0.-0.5	2.18	1.2	154.8	0.01
51	<i>E. batialis</i>	10	4	0-0.5	3.57	1.2	154.8	0.02
51	<i>E. batialis</i>	10	6	0.-0.5	3.06	1.2	154.8	0.02
52	<i>E. batialis</i>	10	4	0-0.5	3.41	1.2	154.8	0.02
52	<i>E. batialis</i>	10	2	0.-0.5	2.33	1.2	154.8	0.02
52	<i>E. batialis</i>	10	6	0.-0.5	3.49	1.2	154.8	0.02
53	<i>E. batialis</i>	10	4	0-0.5	1.79	1.2	154.8	0.01
53	<i>E. batialis</i>	10	6	0.-0.5	2.31	1.2	154.8	0.01

i.d	Species	Station	Chamber F=	Sed depth (cm)	Mn/Ca	ALD	Mn/Casw at ALD	DMn
					μmol/mol	cm	μmol/mol	
44	<i>B. spissa</i>	7	2	0-0.5	17.83	2.2	no data	
44	<i>B. spissa</i>	7	5	0-0.5	36.28	2.2	no data	
44	<i>B. spissa</i>	7	8	0-0.5	27.00	2.2	no data	
44	<i>B. spissa</i>	7	12	0-0.5	39.70	2.2	no data	
45	<i>B. spissa</i>	7	2	0-0.5	19.23	2.2	no data	
45	<i>B. spissa</i>	7	5	0-0.5	22.01	2.2	no data	
45	<i>B. spissa</i>	7	8	0-0.5	57.29	2.2	no data	
45	<i>B. spissa</i>	7	12	0-0.5	32.21	2.2	no data	
46	<i>B. spissa</i>	7	2	0-0.5	38.09	2.2	no data	
46	<i>B. spissa</i>	7	5	0-0.5	30.47	2.2	no data	
46	<i>B. spissa</i>	7	8	0-0.5	15.07	2.2	no data	
46	<i>B. spissa</i>	7	12	0-0.5	28.81	2.2	no data	
47	<i>B. spissa</i>	7	2	0-0.5	15.73	2.2	no data	
47	<i>B. spissa</i>	7	5	0-0.5	19.65	2.2	no data	
47	<i>B. spissa</i>	7	8	0-0.5	40.36	2.2	no data	
47	<i>B. spissa</i>	7	12	0-0.5	25.62	2.2	no data	
48	<i>B. spissa</i>	7	2	0-0.5	23.37	2.2	no data	
48	<i>B. spissa</i>	7	5	0-0.5	9.61	2.2	no data	
49	<i>B. spissa</i>	7	2	0-0.5	19.23	2.2	no data	
49	<i>B. spissa</i>	7	5	0-0.5	37.67	2.2	no data	
49	<i>B. spissa</i>	7	12	0-0.5	27.29	2.2	no data	
50	<i>B. spissa</i>	7	2	0-0.5	176.40	2.2	no data	
50	<i>B. spissa</i>	7	5	0-0.5	52.07	2.2	no data	
50	<i>B. spissa</i>	7	12	0-0.5	48.70	2.2	no data	
51	<i>B. spissa</i>	7	2	0-0.5	19.99	2.2	no data	
51	<i>B. spissa</i>	7	5	0-0.5	66.24	2.2	no data	
51	<i>B. spissa</i>	7	12	0-0.5	52.07	2.2	no data	
52	<i>B. spissa</i>	8	2	0-0.5	29.70	1.9	158.8	0.19
52	<i>B. spissa</i>	8	5	0-0.5	72.02	1.9	158.8	0.45
52	<i>B. spissa</i>	8	8	0-0.5	25.65	1.9	158.8	0.16
52	<i>B. spissa</i>	8	12	0-0.5	41.17	1.9	158.8	0.26
53	<i>B. spissa</i>	8	2	0-0.5	29.27	1.9	158.8	0.18
53	<i>B. spissa</i>	8	5	0-0.5	65.83	1.9	158.8	0.41
53	<i>B. spissa</i>	8	8	0-0.5	85.07	1.9	158.8	0.54
53	<i>B. spissa</i>	8	12	0-0.5	61.47	1.9	158.8	0.39
54	<i>B. spissa</i>	8	2	0-0.5	56.79	1.9	158.8	0.36
54	<i>B. spissa</i>	8	5	0-0.5	96.07	1.9	158.8	0.60
54	<i>B. spissa</i>	8	8	0-0.5	64.18	1.9	158.8	0.40
54	<i>B. spissa</i>	8	12	0-0.5	73.67	1.9	158.8	0.46
55	<i>B. spissa</i>	8	2	0-0.5	13.82	1.9	158.8	0.09
55	<i>B. spissa</i>	8	5	0-0.5	25.61	1.9	158.8	0.16
55	<i>B. spissa</i>	8	8	0-0.5	29.69	1.9	158.8	0.19
55	<i>B. spissa</i>	8	12	0-0.5	33.77	1.9	158.8	0.21
56	<i>B. spissa</i>	8	2	0-0.5	32.35	1.9	158.8	0.20

56	<i>B. spissa</i>	8	5	0-0.5	160.07	1.9	158.8	1.01
56	<i>B. spissa</i>	8	8	0-0.5	85.01	1.9	158.8	0.54
56	<i>B. spissa</i>	8	12	0-0.5	68.27	1.9	158.8	0.43
57	<i>B. spissa</i>	8	2	0-0.5	62.74	1.9	158.8	0.40
57	<i>B. spissa</i>	8	5	0-0.5	56.12	1.9	158.8	0.35
57	<i>B. spissa</i>	8	8	0-0.5	65.33	1.9	158.8	0.41
57	<i>B. spissa</i>	8	12	0-0.5	54.11	1.9	158.8	0.34
58	<i>B. spissa</i>	8	3	0-0.5	14.04	1.9	158.8	0.09
58	<i>B. spissa</i>	8	8	0-0.5	96.10	1.9	158.8	0.61
58	<i>B. spissa</i>	8	12	0-0.5	63.73	1.9	158.8	0.40
59	<i>B. spissa</i>	8	5	0-0.5	45.63	1.9	158.8	0.29
59	<i>B. spissa</i>	8	12	0-0.5	59.80	1.9	158.8	0.38
60	<i>B. spissa</i>	9	2	0-0.5	83.05	2.2	no data	
60	<i>B. spissa</i>	9	5	0-0.5	144.96	2.2	no data	
60	<i>B. spissa</i>	9	8	0-0.5	121.06	2.2	no data	
60	<i>B. spissa</i>	9	12	0-0.5	119.73	2.2	no data	
61	<i>B. spissa</i>	9	2	0-0.5	133.37	2.2	no data	
61	<i>B. spissa</i>	9	5	0-0.5	273.02	2.2	no data	
61	<i>B. spissa</i>	9	8	0-0.5	181.53	2.2	no data	
61	<i>B. spissa</i>	9	12	0-0.5	165.67	2.2	no data	
63	<i>B. spissa</i>	9	8	0-0.5	62.66	2.2	no data	
63	<i>B. spissa</i>	9	12	0-0.5	71.88	2.2	no data	
64	<i>B. spissa</i>	9	5	0-0.5	152.53	2.2	no data	
64	<i>B. spissa</i>	9	8	0-0.5	94.90	2.2	no data	
64	<i>B. spissa</i>	9	12	0-0.5	60.20	2.2	no data	
65	<i>B. spissa</i>	9	2	0.5-1	264.03	2.2	no data	
65	<i>B. spissa</i>	9	5	0.5-1	41.21	2.2	no data	
65	<i>B. spissa</i>	9	8	0.5-1	177.07	2.2	no data	
65	<i>B. spissa</i>	9	12	0.5-1	118.65	2.2	no data	
67	<i>B. spissa</i>	9	2	0.5-1	79.88	2.2	no data	
67	<i>B. spissa</i>	9	5	0.5-1	163.35	2.2	no data	
67	<i>B. spissa</i>	9	8	0.5-1	164.15	2.2	no data	
67	<i>B. spissa</i>	9	12	0.5-1	116.29	2.2	no data	
68	<i>B. spissa</i>	9	2	0.5-1	88.22	2.2	no data	
68	<i>B. spissa</i>	9	12	0.5-1	88.00	2.2	no data	

i.d	Species	Station	Chamber F=	Sed depth (cm)	Mn/Ca	ALD	Mn/Casw at ALD	DMn
					μmol/mol	cm	μmol/mol	
6	<i>U. cf. graciliformis</i>	6	2	0-0.5	26.15	2.7	53.6	0.49
6	<i>U. cf. graciliformis</i>	6	4	0-0.5	22.35	2.7	53.6	0.42
7	<i>U. cf. graciliformis</i>	6	1	0-0.5	13.30	2.7	53.6	0.25
7	<i>U. cf. graciliformis</i>	6	4	0-0.5	40.03	2.7	53.6	0.75
8	<i>U. cf. graciliformis</i>	6	4	0-0.5	30.96	2.7	53.6	0.58
9	<i>U. cf. graciliformis</i>	6	1	0-0.5	25.32	2.7	53.6	0.47
9	<i>U. cf. graciliformis</i>	6	3	0-0.5	32.69	2.7	53.6	0.61
11	<i>U. cf. graciliformis</i>	6	2	0-0.5	48.08	2.7	53.6	0.90
11	<i>U. cf. graciliformis</i>	6	4	0-0.5	32.66	2.7	53.6	0.61
12	<i>U. cf. graciliformis</i>	6	1	0-0.5	27.36	2.7	53.6	0.51
12	<i>U. cf. graciliformis</i>	6	4	0-0.5	33.91	2.7	53.6	0.63
62	<i>U. cf. graciliformis</i>	6	1	0-0.5	28.40	2.7	53.6	0.53
64	<i>U. akitaensis</i>	7	4	0-0.5	18.36	2.1	no data	
64	<i>U. akitaensis</i>	7	2	0-0.5	39.13	2.1	no data	
65	<i>U. akitaensis</i>	7	4	0-0.5	31.72	2.1	no data	
65	<i>U. akitaensis</i>	7	2	0-0.5	20.62	2.1	no data	
66	<i>U. akitaensis</i>	7	4	0-0.5	29.64	2.1	no data	
66	<i>U. akitaensis</i>	7	6	0-0.5	13.63	2.1	no data	
67	<i>U. akitaensis</i>	7	4	0-0.5	31.34	2.1	no data	
67	<i>U. akitaensis</i>	7	2	0-0.5	24.63	2.1	no data	
67	<i>U. akitaensis</i>	7	6	0-0.5	26.12	2.1	no data	
68	<i>U. akitaensis</i>	7	4	0-0.5	31.19	2.1	no data	
68	<i>U. akitaensis</i>	7	2	0-0.5	19.86	2.1	no data	
68	<i>U. akitaensis</i>	7	6	0-0.5	27.27	2.1	no data	
69	<i>U. akitaensis</i>	7	4	0-0.5	31.49	2.1	no data	
69	<i>U. akitaensis</i>	7	2	0-0.5	32.20	2.1	no data	
69	<i>U. akitaensis</i>	7	6	0-0.5	29.12	2.1	no data	
70	<i>U. akitaensis</i>	7	4	0-0.5	39.90	2.1	no data	
70	<i>U. akitaensis</i>	7	2	0-0.5	15.47	2.1	no data	
70	<i>U. akitaensis</i>	7	6	0-0.5	32.11	2.1	no data	
71	<i>U. akitaensis</i>	7	5	0-0.5	21.48	2.1	no data	
71	<i>U. akitaensis</i>	7	2	0-0.5	15.64	2.1	no data	
72	<i>U. akitaensis</i>	7	2	0-0.5	13.32	2.1	no data	
72	<i>U. akitaensis</i>	7	6	0-0.5	25.05	2.1	no data	
73	<i>U. akitaensis</i>	7	2	0-0.5	10.03	2.1	no data	
73	<i>U. akitaensis</i>	7	5	0-0.5	16.87	2.1	no data	
74	<i>U. akitaensis</i>	8	4	0-0.5	53.69	1.4	227.4	0.24
74	<i>U. akitaensis</i>	8	2	0-0.5	73.59	1.4	227.4	0.32
74	<i>U. akitaensis</i>	8	5	0-0.5	69.33	1.4	227.4	0.30
75	<i>U. akitaensis</i>	8	4	0-0.5	29.72	1.4	227.4	0.13
75	<i>U. akitaensis</i>	8	6	0-0.5	54.70	1.4	227.4	0.24
76	<i>U. akitaensis</i>	8	2	0-0.5	26.98	1.4	227.4	0.12
76	<i>U. akitaensis</i>	8	6	0-0.5	28.80	1.4	227.4	0.13
77	<i>U. akitaensis</i>	8	4	0-0.5	9.51	1.4	227.4	0.04

77	<i>U. akitaensis</i>	8	2	0.-0.5	8.46	1.4	227.4	0.04
77	<i>U. akitaensis</i>	8	6	0.-0.5	45.80	1.4	227.4	0.20
78	<i>U. akitaensis</i>	8	2	0.-0.5	23.01	1.4	227.4	0.10
78	<i>U. akitaensis</i>	8	6	0.-0.5	23.39	1.4	227.4	0.10
79	<i>U. akitaensis</i>	8	4	0-0.5	22.02	1.4	227.4	0.10
79	<i>U. akitaensis</i>	8	2	0.-0.5	24.39	1.4	227.4	0.11
79	<i>U. akitaensis</i>	8	6	0.-0.5	46.83	1.4	227.4	0.21
80	<i>U. akitaensis</i>	8	2	0.-0.5	6.28	1.4	227.4	0.03
80	<i>U. akitaensis</i>	8	5	0.-0.5	12.29	1.4	227.4	0.05
81	<i>U. akitaensis</i>	8	4	0-0.5	27.20	1.4	227.4	0.12
81	<i>U. akitaensis</i>	8	2	0.-0.5	24.41	1.4	227.4	0.11
82	<i>U. akitaensis</i>	8	2	0.-0.5	17.27	1.4	227.4	0.08
82	<i>U. akitaensis</i>	8	6	0.-0.5	18.29	1.4	227.4	0.08
83	<i>U. akitaensis</i>	8	4	0-0.5	26.71	1.4	227.4	0.12
83	<i>U. akitaensis</i>	8	6	0.-0.5	18.49	1.4	227.4	0.08
13	<i>U. akitaensis</i>	9	1	1-1.5	63.84	1	no data	
13	<i>U. akitaensis</i>	9	3	1-1.5	41.44	1	no data	
13	<i>U. akitaensis</i>	9	5	1-1.5	175.96	1	no data	
14	<i>U. akitaensis</i>	9	1	1-1.5	29.24	1	no data	
14	<i>U. akitaensis</i>	9	3	1-1.5	26.91	1	no data	
14	<i>U. akitaensis</i>	9	6	1-1.5	79.43	1	no data	
15	<i>U. akitaensis</i>	9	1	1-1.5	55.41	1	no data	
15	<i>U. akitaensis</i>	9	3	1-1.5	60.78	1	no data	
15	<i>U. akitaensis</i>	9	5	1-1.5	87.37	1	no data	
84	<i>U. akitaensis</i>	9	4	0-0.5	29.65	1	no data	
84	<i>U. akitaensis</i>	9	6	0.-0.5	45.43	1	no data	
85	<i>U. akitaensis</i>	9	4	0-0.5	46.63	1	no data	
85	<i>U. akitaensis</i>	9	2	0.-0.5	77.71	1	no data	
85	<i>U. akitaensis</i>	9	6	0.-0.5	62.51	1	no data	
86	<i>U. akitaensis</i>	9	4	0-0.5	24.45	1	no data	
86	<i>U. akitaensis</i>	9	2	0.-0.5	61.07	1	no data	
86	<i>U. akitaensis</i>	9	6	0.-0.5	67.69	1	no data	
87	<i>U. akitaensis</i>	9	4	0-0.5	30.02	1	no data	
87	<i>U. akitaensis</i>	9	2	0.-0.5	24.52	1	no data	
87	<i>U. akitaensis</i>	9	6	0.-0.5	28.87	1	no data	
88	<i>U. akitaensis</i>	9	4	0-0.5	104.08	1	no data	
88	<i>U. akitaensis</i>	9	2	0.-0.5	20.10	1	no data	
89	<i>U. akitaensis</i>	9	4	0-0.5	54.55	1	no data	
89	<i>U. akitaensis</i>	9	2	0.-0.5	37.77	1	no data	
89	<i>U. akitaensis</i>	9	6	0.-0.5	38.01	1	no data	
90	<i>U. akitaensis</i>	9	2	0.-0.5	41.16	1	no data	
90	<i>U. akitaensis</i>	9	6	0.-0.5	55.19	1	no data	
91	<i>U. akitaensis</i>	9	2	0.-0.5	65.51	1	no data	
91	<i>U. akitaensis</i>	9	6	0.-0.5	50.95	1	no data	
92	<i>U. akitaensis</i>	9	2	0.-0.5	10.79	1	no data	
92	<i>U. akitaensis</i>	9	6	0.-0.5	70.93	1	no data	

93	<i>U. akitaensis</i>	9	2	0.-0.5	47.44	1	no data
93	<i>U. akitaensis</i>	9	6	0.-0.5	70.19	1	no data
94	<i>U. akitaensis</i>	9	5	0.5-1	91.65	1	no data
94	<i>U. akitaensis</i>	9	2	0.5-1	12.72	1	no data
94	<i>U. akitaensis</i>	9	6	0.5-1	54.61	1	no data
95	<i>U. akitaensis</i>	9	5	0.5-1	53.94	1	no data
95	<i>U. akitaensis</i>	9	2	0.5-1	172.32	1	no data
95	<i>U. akitaensis</i>	9	6	0.5-1	28.94	1	no data
96	<i>U. akitaensis</i>	9	4	0.5-1	64.88	1	no data
96	<i>U. akitaensis</i>	9	2	0.5-1	58.96	1	no data

i.d	Species	Station	Chamber F=	Sed depth (cm)	Mn/Ca μmol/mol	ALD cm	Mn/Casw at ALD μmol/mol	DMn
11	<i>N. labradorica</i>	7	4	0-0.5	45.20	2.3	no data	
9	<i>N. labradorica</i>	7	4	0-0.5	101.06	2.3	no data	
42	<i>N. labradorica</i>	7	5	0-0.5	57.37	2.3	no data	
43	<i>N. labradorica</i>	7	1	0-0.5	118.84	2.3	no data	
43	<i>N. labradorica</i>	7	6	0-0.5	97.63	2.3	no data	
14	<i>N. labradorica</i>	8	4	0-0.5	57.32	4	81.1	0.71
15	<i>N. labradorica</i>	8	1	0-0.5	50.31	4	81.1	0.62
16	<i>N. labradorica</i>	8	3	2-2.5	23.40	4	81.1	0.29
17	<i>N. labradorica</i>	8	4	2-2.5	63.18	4	81.1	0.78
18	<i>N. labradorica</i>	8	1	4.0-5.0	276.98	4	81.1	3.41
21	<i>N. labradorica</i>	8	4	4.0-5.0	157.87	4	81.1	1.95
22	<i>N. labradorica</i>	8	3	4.0-5.0	189.49	4	81.1	2.34
23	<i>N. labradorica</i>	8	4	4.0-5.0	35.09	4	81.1	0.43
25	<i>N. labradorica</i>	8	4	4.0-5.0	54.58	4	81.1	0.67
26	<i>N. labradorica</i>	10	3	0-0.5	27.58	4	391.3	0.07
27	<i>N. labradorica</i>	10	3	0-0.5	51.45	4	391.3	0.13
28	<i>N. labradorica</i>	10	4	0-0.5	72.33	4	391.3	0.18
29	<i>N. labradorica</i>	10	1	0-0.5	169.29	4	391.3	0.43

i.d	Species	Station	Chamber F=	Sed depth (cm)	Mn/Ca	ALD	Mn/Casw at ALD	DMn
					μmol/mol	cm	μmol/mol	
17	<i>C. fimbriata</i>	7	1	0-0.5	70.03	2.7	no data	
19	<i>C. fimbriata</i>	7	1	2.5-3	124.65	2.7	no data	
23	<i>C. fimbriata</i>	8	1	4.0-5.0	41.42	5.1	38.9	1.07
23	<i>C. fimbriata</i>	8	1	4.0-5.0	78.80	5.1	38.9	2.03
24	<i>C. fimbriata</i>	8	1	4.0-5.0	86.32	5.1	38.9	2.22
29	<i>C. fimbriata</i>	9	1	1-1.5	94.98	5	no data	
30	<i>C. fimbriata</i>	9	1	1-1.5	81.85	5	no data	
31	<i>C. fimbriata</i>	9	1	3-3.5	199.08	5	no data	
32	<i>C. fimbriata</i>	9	1	3-3.5	228.21	5	no data	
33	<i>C. fimbriata</i>	9	1	3-3.5	69.26	5	no data	
34	<i>C. fimbriata</i>	9	1	3-3.5	95.37	5	no data	
35	<i>C. fimbriata</i>	9	1	3-3.5	184.99	5	no data	
36	<i>C. fimbriata</i>	9	1	3-3.5	231.29	5	no data	
37	<i>C. fimbriata</i>	9	1	3-3.5	110.20	5	no data	
38	<i>C. fimbriata</i>	9	1	3-3.5	86.94	5	no data	

The average Mn/Ca and DMn-values for each species

Station	<i>E. batialis</i>		<i>B. spissa</i>		<i>Uvigerina spp.</i>		<i>N. labradorica</i>		<i>C. fibmriata</i>	
	Mn/Ca	DMn	Mn/Ca	DMn	Mn/Ca	DMn	Mn/Ca	DMn	Mn/Ca	DMn
	μmol/mol		μmol/mol		μmol/mol		μmol/mol		μmol/mol	
6					30.10	0.56				
7	19.07		36.96		24.84		84.02		97.34	
8	9.14	0.04	57.49	0.36	30.05	0.13	100.91	1.24	68.85	1.77
9	5.27		128.93		56.67				138.22	
10	2.45	0.02					80.16	0.20		

Mn pore water data

Station	sedm depth cm	mid depth cm	Mn μmol/l
10	bottom water	bottom water	0.1
	0-0.5	0.25	1.1
	0.5-1	0.75	1.7
	1-1.5	1.25	1.5
	1.5-2	1.75	1.6
	2-3	2.5	3.6
	3-4	3.5	3.9
	4-5	4.5	4.5
	5-6	5.5	5.0
	6-7	6.5	4.6
	8-9	8.5	4.5
	9-10	9.5	3.8
	10-12	11	2.9
	12-14	13	1.7
	14-16	15	1.3
16-18	17	1.2	
18-20	19	1.1	
8	bottom water	bottom water	0.1
	0-0.5	0.25	1.1
	0.5-1	0.75	2.1
	1-1.5	1.25	2.3
	1.5-2	1.75	1.6
	2-3	2.5	1.2
	3-4	3.5	0.8
	4-5	4.5	0.5
	5-6	5.5	0.4
	6-7	6.5	0.4
	7-8	7.5	0.4
	8-9	8.5	0.6
	9-10	9.5	0.4
	10-12	11	0.4
	12-14	13	0.4
14-16	15	0.4	
16-18	17		
18-20	19	0.9	
6	bottom water	bottom water	0.0
	0-0.5	0.25	1.1
	0.5-1	0.75	1.4
	1-1.5	1.25	1.2
	1.5-2	1.75	0.6

2-3	2.5	0.5
3-4	3.5	1.0
4-5	4.5	0.3
5-6	5.5	0.3
6-7	6.5	0.3
7-8	7.5	0.3
8-9	8.5	0.4
9-10	9.5	0.2
10-12	11	0.3
12-14	13	0.4
14-16	15	0.6
16-18	17	0.6
18-20	19	1.1