The following appendices accompany the article

Benthic foraminifera as trophic links between phytodetritus and benthic metazoans: carbon and nitrogen isotopic evidence

Hidetaka Nomaki[1,*], Nanako O. Ogawa[1], Naohiko Ohkouchi[1], Hisami Suga[1], Takashi Toyofuku[1], Motohiro Shimanaga[2], Takeshi Nakatsuka[3], Hiroshi Kitazato[1]

[1]Institute for Research on Earth Evolution, Japan Agency for Marine-Earth Science and Technology (JAMSTEC), 2–15, Natsushima-cho, Yokosuka City, Kanagawa 237-0061, Japan

[2]Aitsu Marine Station, Center for Marine Environment Studies, Kumamoto University, 6061 Aitsau, Matsushima-machi, Kamiamakusa-shi, Kumamoto 861-6102, Japan

[3]Institute of Low Temperature Science, Hokkaido University, Kita-19, Nishi-8, Kita-Ku, Sapporo 060-0819, Japan

Email: nomakih@jamstec.go.jp

Marine Ecology Progress Series 357:153–164 (2008)

Appendix 1. Sample list of measured benthic foraminifera

Station	Season	Species	Number of individuals	C content (µg ind.$^{-1}$)	N content (µg ind.$^{-1}$)	C/N wt ratio	$\delta^{13}C$ (‰)	$\delta^{15}N$ (‰)
Stn SB (1430 m)	Apr 2004	*Cyclammina cancellata*	5	19.0	4.2	4.5	–18.5	7.8
			5	12.3	3.0	4.1	–18.2	7.0
			6	18.3	3.9	4.7	–19.0	7.9
		Uvigerina akitaensis	120	0.426	0.098	4.4	–19.4	8.7
			120	0.416	0.096	4.3	–19.3	7.9
			130	0.484	0.104	4.7	–18.9	8.8
		Bolivina spissa	130	0.267	0.060	4.5	–19.9	9.1
			150	0.254	0.058	4.3	–19.6	7.9
			200	0.236	0.053	4.5	–19.4	10.3
		Globobulimina affinis	111	0.655	0.124	5.3	–19.9	7.6
		Chilostomella ovoidea	180	0.162	0.047	3.4	–19.9	6.7
	Nov 2004	*Cyclammina cancellata*	6	34.2	6.0	5.7	–18.7	9.4
			9	27.2	4.9	5.5	–18.6	9.7
			11	26.9	4.9	5.5	–18.6	9.9
		Uvigerina akitaensis	180	0.351	0.060	5.9	–19.5	8.0
			120	0.425	0.068	6.2	–19.5	7.8
			142	0.647	0.109	6.0	–19.3	8.6
		Bolivina spissa	200	0.240	0.040	6.0	–19.4	11.0
			250	0.262	0.047	5.5	–19.4	10.1
			320	0.282	0.048	5.9	–19.3	11.8
		Globobulimina affinis	121	0.650	0.119	5.5	–19.9	7.4
		Chilostomella ovoidea	300	0.201	0.048	4.2	–18.9	8.2
			323	0.172	0.041	4.2	–19.2	8.1
	Aug 2005	*Uvigerina akitaensis*	100	0.431	0.078	5.5	–19.1	9.4
			100	0.482	0.084	5.7	–19.1	8.0
			120	0.416	0.073	5.7	–18.9	8.7
		Bolivina spissa	100	0.247	0.049	5.0	–19.2	9.5
			100	0.313	0.061	5.2	–19.4	11.0
			130	0.290	0.052	5.6	–19.2	10.3
		Globobulimina affinis	50	1.229	0.204	6.0	–20.1	7.1
			60	1.236	0.203	6.1	–19.9	7.1
		Chilostomella ovoidea	130	0.337	0.083	4.1	–18.2	7.1
			120	0.399	0.095	4.2	–18.5	7.7
Stn G (750 m)	Apr 2004	*Chilostomella ovoidea*	201	0.150	0.048	3.1	–18.6	7.1
	Nov 2004	*Globobulimina affinis*	53	0.395	0.064	6.2	–21.6	4.8
		Chilostomella ovoidea	270	0.094	0.022	4.3	–19.0	5.8
			331	0.087	0.022	3.9	–18.7	5.8
		Bulimina striata	303	0.149	0.032	4.7	–19.3	7.6
		Bulimina subornata	196	0.269	0.049	5.4	–19.6	9.4
	Aug 2005	*Chilostomella ovoidea*	150	0.150	0.038	3.9	–18.0	8.5
			150	0.147	0.039	3.8	–18.0	8.7

Appendix 2. Sample list of metazoan meiofauna

Station	Sample name	Season	Number of individuals	$\delta^{13}C$ (‰)	$\delta^{15}N$ (‰)	C/N wt ratio
Stn SB (1430 m)	Cumacea	Apr 2004	1	–18.4	12.0	4.6
	Cumacea	Apr 2004	1	–18.6	11.5	5.1
	Cumacea	Nov 2004	1	–18.5	12.2	4.8
	Cumacea	Nov 2004	2	–20.4	8.3	6.9
	Cumacea	Aug 2005	1	–16.7	9.1	5.0
	Cumacea	Aug 2005	1	–17.4	12.6	5.9
	Cumacea	Aug 2005	1	–16.5	9.6	4.6
	Cumacea	Aug 2005	1	–16.3	11.6	4.6
	Ostracoda	Apr 2004	1	–20.4	8.7	8.7
	Ostracoda	Aug 2005	14	–18.3	11.7	6.8
	Cerviniidae	Apr 2004	15	–18.7	11.1	4.4
	Cerviniidae	Nov 2004	14	–18.1	10.9	3.2
	Other harpacticoids	Apr 2004	33	–17.1	11.1	4.1
	Other harpacticoids	Nov 2004	29	–17.4	10.6	3.4
	Polychaeta	Nov 2004	1	–18.4	12.6	5.6
	Polychaeta	Nov 2004	1	–17.6	13.1	4.6
	Polychaeta	Nov 2004	1	–17.6	13.6	4.2
	Nematoda-white	Nov 2004	22	–19.0	11.7	3.9
	Chaetodermatida	Apr 2004	4	–19.3	12.5	4.7
	Chaetodermatida	Aug 2005	1	–17.9	9.5	5.5
	Chaetodermatida	Aug 2005	1	–16.9	7.2	4.3
	Chaetodermatida	Aug 2005	1	–17.6	6.0	4.6
	Bivalvia	Apr 2004	3	–16.3	10.0	3.7
	Bivalvia	Apr 2004	1	–16.5	10.3	3.7
	Bivalvia	Nov 2004	9	–18.7	9.0	3.8
	Bivalvia	Nov 2004	4	–22.1	10.7	4.3
Stn G (750 m)	Ostracoda	Apr 2004	21	–17.9	11.4	4.2
	Ostracoda	Nov 2004	14	–24.3	6.8	2.9
	Cerviniidae	Nov 2004	14	–17.2	10.9	3.7
	Normanellidae[a]	Apr 2004	12	–18.3	7.5	3.6
	Normanellidae[a]	Nov 2004	29	–18.7	8.5	3.7
	Other harpacticoids	Nov 2004	59	–17.3	10.4	4.0
	Polychaeta	Nov 2004	1	–19.2	12.0	5.1
	Nematoda-red[b]	Apr 2004	24	–19.0	9.4	3.6
	Nematoda-red[b]	Nov 2004	125	–18.7	9.5	2.8
	Nematoda-red[b]	Nov 2004	10	–22.8	3.8	2.6
	Nematoda-white[b]	Nov 2004	30	–17.0	14.1	3.8
	Nematoda-white[b]	Nov 2004	14	–18.7	10.6	3.4
	Chaetodermatida	Apr 2004	9	–19.7	9.7	3.9
	Chaetodermatida	Nov 2004	5	–22.5	6.9	2.8
	Bivalvia	Nov 2004	20	–18.7	6.8	3.9
	Kinorhyncha	Apr 2004	19	–16.6	12.2	3.3
	Kinorhyncha	Nov 2004	28	–15.5	12.3	3.0
	Kinorhyncha	Nov 2004	6	–18.8	10.1	3.6
	Kinorhyncha	Aug 2005	26	–18.6	9.9	3.4
	Kinorhyncha	Aug 2005	31	–19.2	10.7	3.5

[a]Other harpacticoids (Argestidae, etc.) were possibly contained because of difficulty in identification under a binocular microscope

[b]Nematoda samples were measured separately depending on color but combined in Fig. 4 and text because of the uncertainty concerning the taxomical separation based on color