

Trophic structure and chemosynthesis contributions to heterotrophic fauna inhabiting an abyssal whale carcass

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Marine Ecology Progress Series 596: 1–12 (2018)

Table S1. Isotopic values of samples. Nematodes refers to pool of individuals without differentiating species. The inferior parts of vertebrae 1-5 were hypothesized to have highly reducing conditions. Superior parts of vertebrae 1-5 were parts of vertebrae hypothesized to have intermediately reducing conditions. Vertebrae 6-8 were hypothesized to have low reducing conditions. Five to ten individuals were pooled in order to attain the minimum biomass required for isotope the analysis for polychaetes and 30-100 individuals for nematodes. For *Neanthes shinkai*, *Osedax* sp., *Rubyspira* sp., *Munidopsis* sp., *Bathykurilla* cf. *guaymasensis* and *Bathyfauvellia* sp., portions of single individuals were used for each sample.

Organism	Sorted from	n	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
<i>Capitella iatapiuna</i>	Vertebra 7	Pool	-27.039	5.757
<i>Capitella iatapiuna</i>	Vertebra 6	Pool	-27.528	5.052
<i>Capitella iatapiuna</i>	Vertebra 8	Pool	-26.855	5.305
<i>Capitella iatapiuna</i>	Vertebra 4, inferior part	Pool	-28.641	5.779
<i>Capitella iatapiuna</i>	Vertebra 3, inferior part	Pool	-28.008	5.992
<i>Capitella iatapiuna</i>	Vertebra 1, inferior part	Pool	-28.726	5.927
<i>Capitella iatapiuna</i>	Vertebra 2, inferior part	Pool	-28.828	5.058
<i>Capitella iatapiuna</i>	Vertebra 3, inferior part	Pool	-28.622	5.872
<i>Capitella iatapiuna</i>	Vertebra 2, superior part	Pool	-27.833	6.674
<i>Capitella iatapiuna</i>	Vertebra 2, superior part	Pool	-26.893	7.020
<i>Capitella iatapiuna</i>	Vertebra 2, superior part	Pool	-27.678	6.723
Nematodes	Vertebra 7	Pool	-23.509	11.015
Nematodes	Vertebra 6	Pool	-22.369	11.016
Nematodes	Vertebra 8	Pool	-25.937	8.635
Nematodes	Vertebra 2, inferior part	Pool	-30.462	7.644
Nematodes	Vertebra 4, inferior part	Pool	-29.965	7.015
Nematodes	Vertebra 1, inferior part	Pool	-29.976	8.154
Nematodes	Sediment	Pool	-22.403	12.047
<i>Ophryotrocha</i> sp. 3	Vertebra 6	Pool	-23.613	8.365
<i>Ophryotrocha</i> sp. 3	Vertebra 7	Pool	-23.417	8.791
<i>Ophryotrocha</i> sp. 3	Vertebra 8	Pool	-23.628	8.498
<i>Ophryotrocha</i> sp. 1	Vertebra 7	Pool	-27.255	4.557

Organism	Sorted from	n	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
<i>Ophryotrocha</i> sp. 1	Vertebra 6	Pool	-25.152	4.076
<i>Ophryotrocha</i> sp. 1	Vertebra 8	Pool	-26.651	5.990
<i>Sirsoe</i> cf. <i>sirikos</i>	Vertebra 7	Pool	-22.811	8.746
<i>Sirsoe</i> cf. <i>sirikos</i>	Vertebra 7	Pool	-21.563	9.414
<i>Sirsoe</i> cf. <i>sirikos</i>	Vertebra 6	Pool	-23.681	8.665
<i>Microphthalmus</i> sp.	Vertebra 7	Pool	-23.363	8.463
<i>Microphthalmus</i> sp.	Vertebra 7	Pool	-23.363	9.428
<i>Microphthalmus</i> sp.	Vertebra 6	Pool	-23.817	7.943
<i>Pleijelius</i> sp.	Vertebra 7	Pool	-34.223	7.078
<i>Pleijelius</i> sp.	Vertebra 7	Pool	-27.657	8.872
<i>Pleijelius</i> sp.	Vertebra 6	Pool	-27.306	8.801
<i>Vrijenhoekia</i> sp.	Vertebra 7	Pool	-22.400	9.624
<i>Vrijenhoekia</i> sp.	Vertebra 6	Pool	-23.473	8.611
<i>Vrijenhoekia</i> sp.	Vertebra 6	Pool	-22.593	9.719
<i>Neanthes shinkai</i>	Sediment	1	-23.791	8.627
<i>Neanthes shinkai</i>	Sediment	1	-23.242	10.142
<i>Neanthes shinkai</i>	Sediment	1	-23.921	9.943
<i>Neanthes shinkai</i>	Sediment	1	-23.930	10.212
<i>Neanthes shinkai</i>	Sediment	1	-23.987	10.329
<i>Neanthes shinkai</i>	Sediment	1	-23.956	8.787
<i>Bathyfauvelia</i> sp.	Sediment	1	-22.326	11.420
<i>Bathykurilla</i> cf. <i>guaymasensis</i>	Sediment	1	-19.705	12.552
<i>Osedax</i> sp.	Vertebra 8	1	-21.680	12.740
<i>Osedax</i> sp.	Vertebra 8	1	-22.127	12.755
<i>Osedax</i> sp.	Vertebra 8	1	-21.620	13.031
<i>Rubyspira</i> sp.	Sediment	1	-21.212	11.185
<i>Rubyspira</i> sp.	Sediment	1	-21.057	11.172
<i>Rubyspira</i> sp.	Sediment	1	-21.274	11.241
<i>Munidopsis</i> sp.	Sediment	1	-23.299	9.740
<i>Munidopsis</i> sp.	Sediment	1	-26.641	8.347
<i>Munidopsis</i> sp.	Sediment	1	-24.727	8.498
Vertebra	Vertebra 5	1	-24.505	7.330
Vertebra	Vertebra 3	1	-24.034	7.616
Vertebra	Vertebra 2	1	-23.573	7.128