

## Temporally sustained dietary niche partitioning in two copepod species and their mouthpart morphology

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Marine Ecology Progress Series 518: 51–67 (2015)

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### Supplement

Table S1. Seasonal changes of carbon and nitrogen stable isotope ratios of *Chirundina streetsii*, *Undeuchaeta major*, oncaeid copepods and marine snow. *n*: number of samples. The lack of values for oncaeid copepods in September is due to an instrumental failure.

Sample	Season	<i>n</i>	$\delta^{13}\text{C}$ (‰)	$\delta^{15}\text{N}$ (‰)
<i>Chirundina streetsii</i>	Apr	5	-19.2±0.5	7.9±0.4
	Jun	8	-18.7±0.7	9.0±0.4
	Sep	1	-19.7	9.6
	Nov	9	-19.7±0.4	10.3±0.9
	Mar	8	-19.9±0.5	7.6±1.4
<i>Undeuchaeta major</i>	Apr	10	-19.2±0.4	7.2±0.4
	Jun	10	-18.4±0.8	8.2±0.6
	Sep	7	-19.4±0.7	8.8±1.0
	Nov	8	-20.0±0.3	9.3±0.8
	Mar	9	-20.9±0.4	5.6±0.5
Oncaeid copepod	Apr	7	-20.2±0.3	4.5±0.4
	Jun	4	-18.7±0.3	6.6±0.1
	Nov	6	-20.8±0.2	4.6±0.4
	Mar	10	-22.7±0.2	1.7±0.3
Marine snow	Apr	24	-21.1±0.5	6.0±0.4
	Mar	13	-22.5±1.3	3.2±0.7

Table S2. Percentages of total area of each particle type in the gut contents of *Chirundina streetsii* and *Undeuchaeta major* based on the elemental composition of each particle. The classification scheme of each particle type is shown in Table 2. *n*: number of specimens. SD: standard deviation.

	Season	<i>n</i>	Si-rich (%)		Al-Si (%)		Ca-rich (%)		Others (%)	
			mean	SD	mean	SD	mean	SD	mean	SD
<i>Chirundina streetsii</i>	Apr	9	26.5	9.4	37.7	9.3	11.1	6.2	24.8	9.7
	Jun	8	16.2	11.2	25.0	15.8	17.9	14.0	40.9	15.2
	Sep	3	5.6	3.8	13.0	3.6	26.8	23.6	54.6	25.9
	Nov	8	18.0	5.9	28.5	18.6	27.0	20.2	26.6	14.0
	Mar	8	36.1	11.4	38.4	15.2	3.7	3.5	21.8	7.3
<i>Undeuchaeta major</i>	Apr	7	5.7	8.5	9.5	16.8	40.2	25.7	44.6	25.7
	Jun	10	5.8	4.8	10.4	12.3	37.6	26.2	46.2	15.1
	Sep	3	1.9	1.8	5.6	5.0	21.0	18.5	71.4	14.9
	Nov	10	9.8	5.5	17.6	7.4	28.6	15.2	44.0	13.8
	Mar	6	7.9	12.4	4.1	3.4	36.5	22.3	51.5	14.2