

Dietary overlap between jellyfish and forage fish in the northern Gulf of Mexico

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Table S1. Number of samples (n), size (in cm; bell diameter for scyphomedusae; fork length for fish) and stable isotope values (mean \pm SD) of the scyphomedusa *Aurelia* sp., the forage fish *Brevoortia patronus* and their potential prey, small plankton (<200 μ m) and mesozooplankton (200-2,000 μ m) for which carbon (C) and nitrogen (N) content are provided, collected in Louisiana, Mississippi and Alabama coastal waters from June to October 2009-2010 and used to run the MixSIAR GUI and the stable isotope Bayesian ellipses in R (SIBER) procedure.

	Louisiana		Mississippi		Alabama	
	<i>Aurelia</i> sp.	<i>Brevoortia patronus</i>	<i>Aurelia</i> sp.	<i>Brevoortia patronus</i>	<i>Aurelia</i> sp.	<i>Brevoortia patronus</i>
size	12	64	9	50	38	43
$\delta^{13}\text{C}$	26.3 \pm 2.5	16.1 \pm 1.4	25.2 \pm 2.7	17.1 \pm 1.7	27.1 \pm 2.1	16.0 \pm 2.2
$\delta^{15}\text{N}$	-19.2 \pm 0.8	-20.9 \pm 0.5	-18.2 \pm 0.5	-22.3 \pm 0.7	-18.8 \pm 0.8	-21.9 \pm 1.0
	9.9 \pm 1.2	13.6 \pm 0.6	11.3 \pm 1.5	13.2 \pm 0.5	10.48 \pm 1.4	12.8 \pm 0.6
n	small pl.	mesozoopl.	small pl.	mesozoopl.	small pl.	mesozoopl.
$\delta^{13}\text{C}$	8	8	10	10	30	30
$\delta^{15}\text{N}$	-23.4 \pm 0.8	-21.9 \pm 0.9	-23.6 \pm 0.7	-21.8 \pm 1.1	-24.3 \pm 1.4	-22.1 \pm 1.5
C	7.7 \pm 0.9	10.6 \pm 0.9	7.6 \pm 0.7	11.9 \pm 2.5	7.3 \pm 1.2	10.9 \pm 2.0
N	0.86 \pm 0.02	0.18 \pm 0.09	0.10 \pm 0.01	0.22 \pm 0.03	0.11 \pm 0.01	0.24 \pm 0.02
	0.14 \pm 0.02	0.04 \pm 0.01	0.03 \pm 0.01	0.05 \pm 0.01	0.04 \pm 0.01	0.05 \pm 0.01

Table S2. Degrees of freedom (*Df*), *F*-values and *p*-values of the permutational analyses of variance (PERMANOVA) comparing the stomach contents of the scyphomedusa *Aurelia* sp. and the forage fish *Brevoortia patronus* collected in Louisiana, Mississippi and Alabama coastal waters between 2009 and 2010.

	<i>Aurelia</i> sp.			<i>Brevoortia patronus</i>		
	<i>Df</i>	<i>F</i>	<i>P</i>	<i>Df</i>	<i>F</i>	<i>P</i>
Louisiana	15	0.15	0.90	33	1.50	0.22
Mississippi	9	0.84	0.42	26	1.89	0.16
Alabama	25	2.37	0.08	43	3.98	0.002*

*significant at $p < 0.05$