

Supplementary material

Table S1: Mean values (+SD) of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of humpback whale prey species in three years of study in the feeding area of Magellan Strait. Dash (-) indicates absence of samples and data. *Samples correspond to two individuals.

Species	Year	n	$\delta^{13}\text{C}$ (\pm SD)	$\delta^{15}\text{N}$ (\pm SD)
<i>Euphausia lucens</i> , <i>E. vallentini</i>	2011	-	-	-
	2012	4	-15.7 \pm 0.4	11.8 \pm 0.7
	2017	6	-18.1 \pm 1.0	12.8 \pm 0.2
<i>Themisto gaudichaudii</i>	2011	-	-	-
	2012	1	-14.7	11.9
	2017	12	-17.6 \pm 1.2	12.5 \pm 0.8
<i>Munida gregaria</i>	2011	1*	-18.2	15.1
	2012	12	-16.4 \pm 0.5	11.4 \pm 1.5
	2017	10	-18.7 \pm 0.5	12.0 \pm 0.7
<i>Sprattus fuegensis</i>	2011	7	-15.8 \pm 0.3	16.1 \pm 1.1
	2012	5	-16.5 \pm 0.7	13.1 \pm 1.7
	2017	2	-19.5 \pm 0.7	16.4 \pm 2.5

Table S2: Mean contribution of humpback whale prey species and 95% credibility intervals estimated from the MixSIAR models in three years of study in the feeding area of Magellan Strait.

Year	Season	Species prey	Mean	Credibility intervals 95%
2011	Summer	Zooplankton	0.407	0.019 - 0.880
		Squat lobster	0.245	0.005 - 0.797
		Fuegian sprat	0.348	0.020 - 0.876
	Autumn	Zooplankton	0.329	0.031 - 0.774
		Squat lobster	0.284	0.012 - 0.715
		Fuegian sprat	0.387	0.045 - 0.830
2012	Summer	Zooplankton	0.288	0.009 - 0.833
		Squat lobster	0.362	0.014 - 0.895
		Fuegian sprat	0.350	0.014 - 0.883
	Autumn	Zooplankton	0.334	0.027 - 0.759
		Squat lobster	0.352	0.033 - 0.783
		Fuegian sprat	0.314	0.027 - 0.750
2017	Summer	Zooplankton	0.408	0.016 - 0.914
		Squat lobster	0.436	0.030 - 0.926
		Fuegian sprat	0.156	0.004 - 0.519
	Autumn	Zooplankton	0.380	0.037 - 0.805
		Squat lobster	0.403	0.059 - 0.821
		Fuegian sprat	0.217	0.010 - 0.608

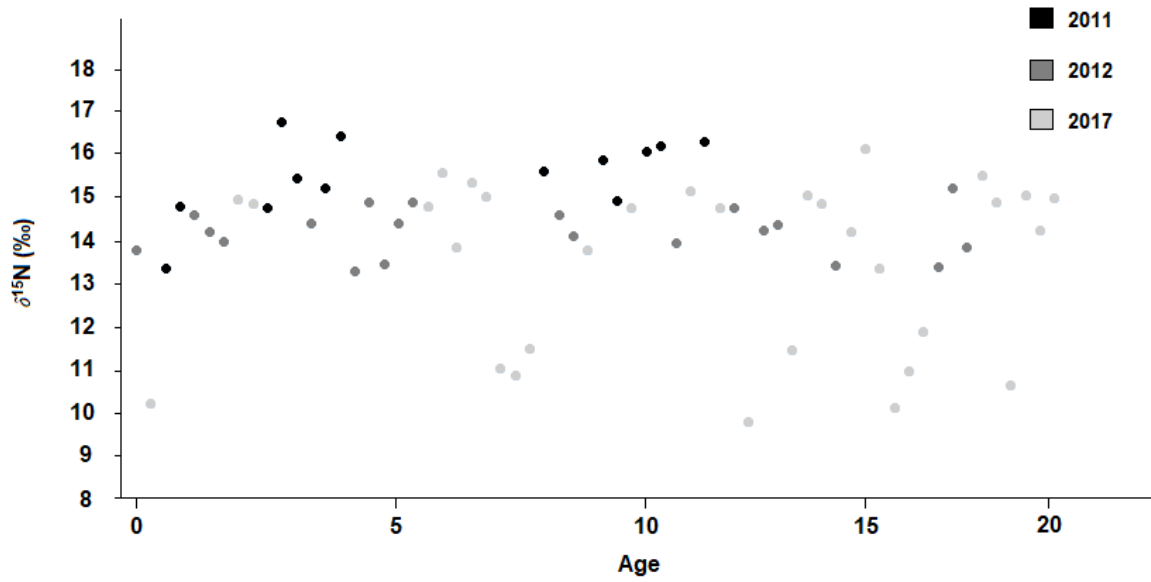


Figure S1: $\delta^{15}\text{N}$ values as a function of the age of humpback whales in the three years of study in the Magellan Strait.