

Table S1. Regressions used to estimate fish and cephalopod sizes. FL: total fish length (mm), FW: total fish weight (g), CML: total cephalopod mantle length (mm), CW: total cephalopod body weight (g), OL: otolith length, OW: otolith weight, LRL: beak lower rostral length, LHL: beak lower hood length. Source *AHG: Alberto Hernandez-Gonzalez (*unpublished; own elaboration from data combination of 7 different Sparidae species, n = 348*)

Prey taxa	Estimated prey length (mm)	Source	Estimated prey weight (g)	Source
Fish				
<i>Atherina</i> spp.	FL = 67.42 + 15.132 x OL	Santos et al. 2007	FW = 0.006304 x (FL/10) ^{3.01}	Santos et al. 2007
<i>Argentine</i> spp.	FL = 51.24 + OL x 41.945	Santos et al. 2007	FW = 0.0053 x (FL/10) ^{3.0534}	Coull et al. 1989
<i>Arnoglossus</i> spp.	FL = -2.038 + 46.205 x OL	Santos et al. 2011	FW = 0.423713 x OL ^{3.3685}	Santos et al. 2011
<i>Belone belone</i>	FL = 89.53 x OL ^{1.12}	Assis 2000	FW = 0.00000000393 x FL ^{4.3}	Assis 2000
<i>Boops boops</i>	FL = 71.789 + OL x 18.081	Marçalo et al. 2018	FW = 0.00000758 x FL ^{3.037}	Gonçalves et al. 1997
<i>Callionymus lyra</i>	FL = 44.29 x OL ^{1.412}	Härkönen 1986	FW = 0.482 x OL ^{4.459}	Härkönen 1986
Cottidae	FL = 4.64 + OL x 32.746	Härkönen 1986	FW = 0.48612 x OL ^{3.0942}	Härkönen 1986
<i>Gadiculus argenteus</i>	FL = 19.449 x OL ^{1.053}	Härkönen 1986	FW = 0.021289 x OL ^{3.785}	Härkönen 1986
Gobiidae	FL = -6.46 + 41.77 x OW	Härkönen 1986	FW = 0.232809 x OW ^{4.17}	Härkönen 1986
Labridae	FL = 3.32 + 53.44 x OL	Santos et al. 2011	FW = 2.33031 x OL ^{2.934}	Santos et al. 2011
<i>Macroramphosus scolopax</i>	See note ⁽¹⁾		FW = 0.004 x (FL/10) ^{3.15}	Merella et al. 1997
<i>Merluccius merluccius</i>	FL = -0.63 + 23.884 x OL	Härkönen 1986	FW = 0.00974 x (FL/10) ^{2.913}	Bedford et al. 1986
<i>Micromesistius poutassou</i>	FL = -2.14 + OL x 22.09	Santos et al. 2007	FW = 0.006727 x OL ^{3.892}	Härkönen 1986
Mugilidae	FL = -137.54 + OL x 63.621	Leopold et al. 2001	FW = 0.0464 x OL ^{4.3953}	Leopold et al. 2001
<i>Myctophum punctatum</i>	FL = 2.739 + 22.842 x OL	Battaglia et al. 2010	FW = 0.000014 x FL ^{2.971}	Battaglia et al. 2010
<i>Pagellus bogaraveo</i>	FL = 21.52 x OL ^{1.11}	Assis 2000	FW = 0.0000066 x FL ^{3.12}	Assis 2000
<i>Sandeel</i> spp.	FL = 8.776 + 51.906 x OL	Härkönen 1986	FW = 0.61215 x OL ^{2.71}	Härkönen 1986
<i>Sardina pilchardus</i>	FL = 125.37 + OW x 43.403	Santos et al. 2007	FW = 0.00808 x (FL/10) ^{3.009493}	Santos et al. 2007
<i>Scomber scombrus</i>	FL = -20.41 + OL x 87.59	Härkönen 1986	FW = 0.002709 x (FL/10) ^{3.29}	Coull et al. 1989
<i>Solea solea</i>	FL = -12.622 + 80.901 x OL	Härkönen 1986	FW = 2.535 x OL ^{3.444}	Härkönen 1986
Sparidae	FL = 21.121 x OL ^{1.1571}	*AHG (<i>unpublished data</i>)	FW = 0.000004 x FL ^{3.2473}	*AHG (<i>unpublished data</i>)
<i>Sprattus sprattus</i>	FL = -50.52 + 151.95 x OW	Santos et al. 2001	FW = 0.002236 x (FL/10) ^{3.4746}	Coull et al. 1989
<i>Trachinus draco</i>	FL = 15.88 x OL ^{1.28}	Assis 2000	FW = 0.00000012 x FL ^{3.72}	Assis 2000
<i>Trachurus trachurus</i>	FL = -26.11 + OW x 79.01	Brown & Pierce 1998	FW = 0.0034 x (FL/10) ^{3.2943}	Coull et al. 1989
<i>Trisopterus</i> spp.	FL = -37.34 + OL x 27.447	Santos et al. 2001	FW = 0.003467 x OL ^{4.6}	Santos et al. 2001
<i>Unidentified Gadidae</i>	FL = -61.59 + 33.304 x OL	Santos et al. 2007	FW = 0.016042 x (FL/10) ^{2.87419}	Santos et al. 2007

Table S1. *Cont.*

Prey taxa	Estimated prey length (mm)	Source	Estimated prey weight (g)	Source
Cephalopods				
<i>Alloteuthis</i> spp.	$CML = -30.99 + 113.97 \times LRL$	Clarke 1986	$CW = 7.38906 \times LRL^{2.75}$	Clarke 1986
<i>Eledone cirrhosa</i>	$CML = 3.38 + 26.57 \times LHL$	Clarke 1986	$CW = 5.3656 \times LHL^{2.85}$	Clarke 1986
<i>Loligo</i> spp.	$CML = -42.22 + 84.274 \times LRL$	Clarke 1986	$CW = 6.19536 \times LRL^{3.242}$	Clarke 1986
<i>Rossia macrosoma</i>	$CML = 17.81 + 10.09 \times LHL$	Clarke 1986	$CW = 8.8463 \times LHL^{1.65}$	Clarke 1986
<i>Sepia officinalis</i>	$CML = -2.14 + 21.89 \times LHL$	Clarke 1986	$CW = 0.12358 \times LHL^{4.06}$	Clarke 1986
<i>Sepiola atlantica</i>	$CML = 18.54 + 1.65 \times LRL$	Clarke 1986	$CW = 0.64545 \times LRL^{0.35}$	Clarke 1986

Note: ⁽¹⁾ No otoliths were found for snipefish (*Macrorhamphosus scolopax*), which was identified from its large dorsal spine. As an approximation, all individuals were assumed to be 15 cm long: this is the largest size recorded for the species in Galicia and Cantabria (Sánchez et al. 1995).

Table S2. Summary of the results of the stomach contents analysis of harbour porpoises (n = 72) stranded along the Galician coast (NW Spain) (1990 - 2018). Importance of each prey taxa is shown as: occurrence (*F*), frequency of occurrence (%*F*), number of prey (*N*), numerical percentage (%*N*), weight of prey (*W*), percentage of reconstructed prey weight (%*W*), index of relative importance (*IRI*) and percentage of importance (%*IRI*); in parentheses are 95% confidence intervals (CI). Estimated length for fish and estimated dorsal mantle length for squid are provided in centimetres (cm). Estimated weight of prey is provided in grams (g).

Prey taxa	F	% F	N	% N	W	% W	IRI	% IRI	Length range (cm)	Average Length	Weight range (g)	Average Weight
Actinopterygii												
Atheriniformes												
Atherinidae												
<i>Atherina</i> spp.	1	1.39 (0.00 - 5.56)	1	0.04 (0.00 - 0.13)	7.01	0.01 (0.00 - 0.02)	0.13	0.00 (0.00 - 0.01)	12.94	-	7.01	-
Beloniformes												
Belonidae												
<i>Belone belone</i>	3	4.17 (0.00 - 9.72)	21	0.81 (0.00 - 2.09)	154.76	0.13 (0.00 - 0.34)	5.27	0.09 (0.00 - 0.35)	22.49 – 29.81	25.61	5.84 - 42.21	17.20
Clupeiformes												
Clupeidae												
<i>Sardina pilchardus</i>	9	12.5 (5.56 - 20.83)	141	5.44 (0.6 - 12.59)	1,113.44	0.94 (0.21 - 2.25)	87.20	1.43 (0.11 - 4.13)	2.66 – 20.18	8.69	0.28 - 68.28	15.25
<i>Sprattus sprattus</i>	1	1.39 (0.00 - 4.17)	2	0.04 (0.00 - 0.13)	44.57	0.04 (0.00 - 0.13)	0.20	0.00 (0.00 - 0.02)	10.52 – 20.53	15.52	7.95 - 81.19	22.29
Gadiformes												
Gadidae												
<i>Gadiculus argenteus</i>	10	13.89 (6.94 - 22.22)	278	10.73 (2.23 - 20.38)	1,245.48	1.05 (0.09 - 2.44)	171.32	2.81 (0.29 - 6.89)	3.93 – 13.23	7.59	0.27 - 34.04	9.16
<i>Trisopterus</i> spp.	31	43.06 (31.94 - 55.56)	427	16.48 (7.86 - 27.11)	28,377.27	23.93 (8.75 - 39.17)	1,729.75	28.40 (12.67 - 48.01)	2.07 – 37.88	16.92	0.11 - 936.40	65.23
<i>Micromesistius poutassou</i>	26	36.11 (25 - 47.22)	517	19.95 (10.97 - 29.55)	22,744.44	19.18 (10.3 - 27.65)	1405.62	23.08 (11.36 - 38.05)	7.02 – 31.49	18.28	1.14 - 1,020.56	56.30

Table S2. Cont.

Prey taxa	F	% F	N	% N	W	% W	IRI	% IRI	Length range (cm)	Average Length	Weight range (g)	Average Weight
Merlucciidae												
<i>Merluccius merluccius</i>	23	31.94 (22.22 - 44.44)	140	5.4 (2.42 - 9.76)	18,321.67	15.45 (6.75 - 26.33)	685.24	11.25 (4.1 - 22.42)	3.28 – 44.99	23.97	0.31 - 637.18	91.63
Myctophiformes												
Myctophidae												
<i>Myctophum punctatum</i>	1	1.39 (0.00 - 4.17)	7	0.27 (0.00 - 0.85)	18.73	0.02 (0.00 - 0.06)	0.74	0.01 (0.00 - 0.06)	5.32 – 6.81	6.11	1.88 - 3.91	2.90
Osmeriformes												
Argentinidae												
<i>Argentine spp.</i>	5	6.94 (1.39 - 12.5)	21	0.81 (0.07 - 1.89)	415.47	0.35 (0.04 - 0.87)	9.49	0.16 (0.00 - 0.51)	9.05 – 20.01	13.52	5.04 - 77.82	10.93
Perciformes												
Scombridae												
<i>Scomber scombrus</i>	1	1.39 (0.00 - 4.17)	1	0.04 (0.00 - 0.13)	34.72	0.03 (0.00 - 0.11)	0.20	0.00 (0.00 - 0.02)	16.04	-	69.45	-
Sparidae	7	9.72 (4.17 - 16.67)	13	0.5 (0.14 - 0.92)	588.34	0.50 (0.06 - 1.27)	11.10	0.18 (0.01 - 0.52)	11.59 – 22.18	16.24	20.17 - 166.13	32.69
<i>Boops boops</i>	3	4.17 (0.00 - 9.72)	19	0.73 (0.00 - 1.80)	1,775.39	1.50 (0.00 - 3.79)	12.37	0.20 (0.00 - 0.81)	8.70 – 24.44	18.19	7.96 - 227.61	61.22
<i>Pagellus bogaraveo</i>	1	1.39 (0.00 - 4.17)	1	0.04 (0.00 - 0.14)	18.54	0.02 (0.00 - 0.06)	0.17	0.00 (0.00 - 0.01)	14.56	-	37.08	-
Labridae	2	2.78 (0.00 - 6.94)	2	0.08 (0.00 - 0.20)	48.10	0.04 (0.00 - 0.12)	0.48	0.01 (0.00 - 0.04)	11.72 – 12.59	12.16	21.44 - 26.65	24.05
Trachinidae												
<i>Trachinus draco</i>	1	1.39 (0.00 - 4.17)	1	0.04 (0.00 - 0.13)	0.73	0.00 (0.00 - 0.00)	0.11	0.00 (0.00 - 0.01)	8.04	-	1.47	-
Mugilidae	1	1.39 (0.00 - 0.56)	1	0.04 (0.00 - 0.15)	192.45	0.16 (0.00 - 0.60)	0.61	0.01 (0.00 - 0.05)	35.81	-	384.89	-
Gobiidae	16	22.22 (12.5 - 31.94)	228	8.8 (1.48 - 18.76)	362.72	0.31 (0.06 - 0.78)	205.68	3.38 (0.47 - 8.06)	2.46 – 10.81	5.42	0.07 - 15.62	2.40
Carangidae												
<i>Trachurus trachurus</i>	26	36.11 (25 - 47.22)	209	8.07 (3.48 - 14.09)	23,840.73	20.11 (7.51 - 34.17)	1024.84	16.83 (5.68 - 31.56)	6.14 – 39.04	21.07	1.34 - 594.63	87.97

Table S2. *Cont.*

Prey taxa	F	% F	N	% N	W	% W	IRI	% IRI	Length range (cm)	Average Length	Weight range (g)	Average Weight
Callionymidae												
<i>Callionymus lyra</i>	7	9.72 (4.17 - 16.67)	49	1.89 (0.24 - 4.49)	4,539.41	3.83 (0.21 - 8.9)	64.55	1.06 (0.04 - 3.23)	12.77 – 31.79	22.77	16.15 - 171.58	63.93
Ammodytidae												
<i>Ammodytes</i> spp.	4	5.56 (1.39 - 11.11)	71	2.74 (0.03 - 8.73)	1,962.68	1.66 (0.00 - 5.72)	31.58	0.52 (0.00 - 2.11)	8.16 – 25.27	20.27	1.76 - 40.57	45.64
Pleuronectiformes												
Soleidae												
<i>Solea solea</i>	2	2.78 (0.00 - 6.94)	2	0.08 (0.00 - 0.20)	31.85	0.03 (0.00 - 0.10)	0.44	0.01 (0.00 - 0.03)	19.36	-	63.69	-
Bothidae												
<i>Arnoglossus</i> spp.	1	1.39 (0.00 - 4.17)	45	1.74 (0.00 - 5.80)	372.16	0.31 (0.00 - 1.16)	6.01	0.10 (0.00 - 0.48)	8.58 – 13.65	10.86	5.47 - 25.38	12.41
Scorpaeniformes												
Cottidae	1	1.39 (0.00 - 5.52)	2	0.08 (0.00 - 0.27)	167.20	0.14 (0.00 - 0.57)	0.67	0.01 (0.00 - 0.06)	19.25 – 19.78	19.43	108.18 - 118.03	55.73
Syngnathiformes												
<i>Macroramphosus scolopax</i>	3	4.17 (0.00 - 8.33)	108	4.17 (0.00 - 9.22)	1,094.31	0.92 (0.00 - 2.22)	26.16	0.43 (0.00 - 1.57)	15.00	-	364.77	-
Unidentified fish	29	40.28 (29.17 - 52.78)	101	3.90 (2.35 - 5.91)	8,021.22	6.76 (3.78 - 10.62)	443.32	7.28 (3.44 - 12.5)	NA	16.04	NA	74.96
Unidentified flatfish	2	2.78 (0.00 - 6.94)	2	0.08 (0.00 - 0.22)	64.47	0.05 (0.00 - 0.16)	0.60	0.01 (0.00 - 0.04)	13.56 – 14.87	14.32	27.16 - 35.94	16.12
Cephalopoda												
Sepiida												
Sepiidae												
<i>Sepia officinalis</i>	5	6.94 (1.39 - 12.50)	12	0.46 (0.08 - 0.96)	409.97	0.35 (0.00 - 1.11)	6.78	0.11 (0.00 - 0.36)	1.71 – 13.86	5.61	0.07 - 235.99	34.16

Table S2. Cont.

Prey taxa	F	% F	N	% N	W	% W	IRI	% IRI	Length range (cm)	Average Length	Weight range (g)	Average Weight
Sepiolidae												
<i>Sepiolo atlantica</i>	13	18.06 (9.72 - 27.78)	37	1.43 (0.51 - 2.96)	22.04	0.02 (0.01 - 0.04)	28.83	0.47 (0.09 - 1.12)	1.88 – 2.16	2.00	0.34 - 0.81	0.65
<i>Rossia macrosoma</i>	2	2.78 (0.00 - 6.94)	2	0.08 (0.00 - 0.20)	58.06	0.05 (0.00 - 0.14)	0.54	0.01 (0.00 - 0.04)	3.81 – 3.90	3.85	27.97 - 30.09	29.03
Myopsida												
Loliginidae												
<i>Alloteuthis</i> spp.	13	18.06 (9.72 - 27.78)	27	1.04 (0.37 - 2.10)	161.11	0.14 (0.05 - 0.27)	23.51	0.39 (0.08 - 0.93)	1.45 – 9.09	6.26	0.66 - 8.23	4.85
<i>Loligo</i> spp.	3	4.17 (0.00 - 9.72)	6	0.23 (0.00 - 0.60)	396.55	0.33 (0.00 - 1.04)	3.12	0.05 (0.00 - 0.23)	1.17 – 20.22	10.85	1.46 - 195.51	66.09
Octopoda												
Eledonidae												
<i>Eledone cirrhosa</i>	1	1.39 (0.00 - 4.17)	1	0.04 (0.00 - 0.12)	4.78	0.00 (0.00 - 0.01)	0.11	0.00 (0.00 - 0.01)	2.88	-	4.78	-
Miscellaneous												
Echinoidea												
Unidentified Sea urchin	1	1.39	1	0.04	NA	NA	NA	NA	NA	NA	NA	NA
Bivalvia												
Unidentified Bivalves	2	2.78	3	0.11	NA	NA	NA	NA	NA	NA	NA	NA
Gastropoda												
Unidentified Gastropods	3	4.17	4	0.15	NA	NA	NA	NA	NA	NA	NA	NA
Malacostraca												
Unidentified Decapoda	19	26.39	27	1.03	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL	72		2,626		118,569.75		6,090		Mean:	16.17		53.60

LITERATURE CITED

- Assis CA (2000) *Estudo Morfológico dos Otólitos Sagitta, Asteriscus e Lapillus de Teleósteos (Actinopterygii, Teleostei) de Portugal Continental. Sua Aplicação em Estudos de Filogenia, Sistemática e Ecologia*. PhD dissertation, Universidade de Lisboa, Portugal.
- Battaglia P, Malara D, Romeo T, Andaloro F (2010) Relationships between otolith size and fish size in some mesopelagic and bathypelagic species from the Mediterranean Sea (Strait of Messina, Italy). *Scientia Marina*, 74(3), 605-612. <https://doi.org/10.3989/scimar.2010.74n3605>
- Bedford BC, Woolner LE, Jones BW (1986) *Length-weight relationships for commercial fish species and conversion factors for various presentations*. MAFF Directorate of Fisheries Research. Fisheries Research Data Report, 10, 41 pp.
- Brown EG, Pierce GJ (1998) Monthly variation in the diet of harbour seals in inshore waters along the southeast Shetland (UK) coastline. *Marine Ecology Progress Series*, 167, 275-289. <https://doi.org/10.3354/meps167275>
- Brown EG, Pierce GJ, Hislop JRG, Santos MB (2001) Interannual variation in the summer diets of harbour seals *Phoca vitulina* in Mousa, Shetland (UK). *Journal of the Marine Biological Association of the United Kingdom*, 81(2): 325–337. <https://doi.org/10.1017/S0025315401003812>
- Clarke MR (1986). *A handbook for the identification of cephalopod beaks*. Clarendon Press, Oxford.
- Coull KA, Jermyn AS, Newton AW, Henderson GI, Hall WB (1989) Length/weight relationships for 88 species of fish encountered in the North East Atlantic. *Scottish Fisheries Research Report*, 43. 80 pp.
- Gonçalves JMS, Bentes L, Lino PG, Ribeiro J, Canário AVM, Erzini K (1997) Weight-length relationships for selected fish species of the small-scale demersal fisheries of the south and south-west coast of Portugal. *Fisheries Research*, 30(3), 253-256. [https://doi.org/10.1016/S0165-7836\(96\)00569-3](https://doi.org/10.1016/S0165-7836(96)00569-3)
- Leopold MF, Van Damme CJG, Philippart CJM, Winter CJN (2001) Otoliths of North Sea fish: fish identification key by means of otoliths and other hard parts. *World Biodiversity Database, Expert Centre for Taxonomic Identification*. University of Amsterdam, Amsterdam.
- Marçalo A, Nicolau L, Giménez J, Ferreira M, Santos J, Araújo H, Silva A, Vingada J, Pierce GJ (2018) Feeding ecology of the common dolphin (*Delphinus delphis*) in Western Iberian waters: has the decline in sardine (*Sardina pilchardus*) affected dolphin diet?. *Marine Biology*, 165(3), 1-16. <https://doi.org/10.1007/s00227-018-3285-3>
- Merella P, Quetglas A, Alemany F, Carbonell A (1997) Length-weight relationship of fishes and cephalopods from the Balearic Islands (western Mediterranean). *Naga, the ICLARM Quarterly*, 20(3-4), 66-68. <http://aquaticcommons.org/id/eprint/9350>

- Sánchez F, de la Gándara F, Gancedo R (1995) Atlas de los peces demersales de Galicia y el Cantábrico, otoño 1991-1993. *Ministerio de Agricultura, Pesca y Alimentación: Publicaciones Especiales Instituto Espanol de Oceanografia*, 20, 3-99.
- Santos MB., Pierce GJ, Reid RJ, Patterson IAP, Ross HM, Mente E (2001). Stomach contents of bottlenose dolphins (*Tursiops truncatus*) in Scottish waters. *Journal of the Marine Biological Association of the United Kingdom*, 81(5), 873-878. <https://doi.org/10.1017/S0025315401004714>
- Santos MB, Fernandez R, Lopez A, Martinez JA, Pierce GJ (2007) Variability in the diet of bottlenose dolphin, *Tursiops truncatus*, in Galician Waters, North-Western Spain, 1990-2005. *Journal of the Marine Biological Association of the United Kingdom*, 87(1): 231-241. <https://doi.org/10.1017/S0025315407055233>
- Santos MB, German I, Correia D, Martinez J, Caldas M, López A, Pierce GJ (2011) Predation on sardine by common dolphins (*Delphinus delphis*) in Galician waters (NW Spain). Working Document for WKPELA, 25–26/10/2011 Copenhagen.