

APPENDIX S1 Species identified in this work and some relevant aspects of their ecology extracted from literature.

Distribution: *Au*: Australia; *AdS*: Adriatic Sea; *AgS*: Aegean Sea; *Ang*: Angola; *At*: Atlantic; *C*: Cosmopolitan; *CarS*: Caribbean Sea; *Cir*: Circumglobal; *EAt*: Eastern Atlantic; *ECNAt*: Eastern Central North Atlantic; *EP*: Eastern Pacific; *FG*: French Guiana; *GMex*: Gulf of Mexico; *Gr*: Greenland; *IP*: Indo-Pacific; *IWP*: Indo-West Pacific; *MarS*: Marmara Sea; *MedS*: Mediterranean Sea; *Nam*: Namibia; *NAnt*: North Antarctic; *NAt*: North Atlantic; *NEAt*: Northeastern Atlantic; *NEI*: Northeastern Indian; *NS*: North Sea; *NWP*: North Western Pacific; *NZ*: New Zeland; *SAf*: South Africa; *SAt*: South Atlantic; *SEAt*: Southeastern Atlantic; *SI*: Southern Indian; *SubAnt*: Sub-Antarctic; *SubTr*: Subtropical waters; *SubTem*: Subtemperate waters; *SWP*: Southwestern Pacific; *Tem*: Temperate waters; *Tr*: Tropical waters; *WAt*: Western Atlantic; *WMedS*: Western Mediterranean Sea; (?): Possibly. In: Guerra *et al.* 2014 Jereb & Roper, 2005, 2010; Jereb *et al.*, 2013.

Habitat: *B*: Benthic; *D*: Demersal; *N*: Neritic; *P*: Pelagic; *SL*: Sublittoral; *UBt*: Upper Bathyal. In: Jereb & Roper, 2005, 2010; Jereb *et al.*, 2013. Except: *T. sagittatus*, *O. vulgaris* and *S. unicirrhus* (Guerra, 1992), *E. cirrhosa* and *E. moschata* (Guerra, 1992; Jereb *et al.*, 2013) and *A. argo* (ToL, 2019).

Marketability: Commercial (C); Noncommercial (NC); Commercial Locally (CL); Unknown (U); Fisheries Potential (FP); In: Guerra *et al.* 2014; Jereb & Roper, 2005, 2010; Jereb *et al.*, 2013.

Species	Distribution	Habitat/Depth (m)	Marketability
<i>Argonauta argo</i>	C: Tr, SubTr	P/18–4,935	C
<i>Bathypolypus sponsalis</i>	WMedS, AgS; EAt (45°-16°N)	B/120–1,835	NC
<i>Brachioteuthis riisei</i>	C	P/0–3,000	NC
<i>Chiroteuthis sp.</i>	—	P/—	NC
<i>Chiroteuthis veranii</i>	Cir: Tr, SubTr to SubAnt	P/0–2,130	NC
<i>Eledone cirrhosa</i>	Med, NAt	B/5 >1,000	C
<i>Eledone moschata</i>	Med	B/ 10–612	C
<i>Histioteuthis bonnellii</i>	From ECNAt and WMedS to SEAt & SWP between Au & NZ, SI.	P/150–4,000	NC ^a
<i>Histioteuthis reversa</i>	At, MedS	P/0–1,552	NC
<i>Illex coindetii</i>	ECNAt to Nam; MedS; AgS; AdS; MarS; WAt: GMex, CarS, FG	N, D/0–1,100	C
<i>Octopoteuthis sicula</i>	Tr, SubTr, SubTem At to SAf, IWP, MedS, Tr EP(?)	P/to 2,000	NC
<i>Octopus vulgaris</i>	C: Tr, SubTr, Tem	B/0–200	C
<i>Ommastrephes caroli</i>	NAt (43°–27°N); MedS	P/2–1,500 ^b	FP ^c
<i>Pteroctopus tetracirrhus</i>	MedS; EAt (40°N–4°S)	B/25–720	FP
<i>Rondeletiola minor</i>	Med, EAt	SL, D, UBt/25–897	CL
<i>Scaevargus unicirrhus</i>	C: Tr, Tem	B/30–800	U
<i>Taonius pavo</i>	C	P/0 ≥ 2,000	NC
<i>Taonius sp.</i>	—	P/—	NC
<i>Todarodes sagittatus</i>	NEAt to Gr, NS; MedS, MarS; SEAt to Ang	P/0–4,595	C
<i>Todarodes sp.</i>	MedS, NAt, SAt, NWP, SWP, IP, NEI, NAnt	B, P/0–2,500	C
<i>Tremoctopus violaceus</i>	At, GMex, CarS, MedS	P/0–250	NC ^d

^aThis study. ^bFor *O. caroli* we used the range for the cryptic species *O. bartrami* (Fernández-Álvarez *et al.*, 2020; Jereb & Roper, 2010).

^cUsually commercialized together with *Todarodes* (this study). ^dThis study.

APPENDIX S2 List of cephalopod species found in *G. griseus* stomachs in the Mediterranean Sea. For Geographical area, the notation used is the same as in Appendix S1.

	Present study	Milani et al., 2017	Peda et al., 2015	García-Polo, 2014	Öztürk et al., 2007	Blanco et al., 2006	Orsi-Relini et al., 1997	Bello & Bentivegna, 1996	Bello 1992, 1996	Würtz et al., 1992	Carlini et al., 1992	Podestà & Meotti, 1991
Reference	WMed	Greece	Tuscany	(Alborán)	EMed	WMed	Ligure	Thyrrhenian	Adriatic	Ligure	Thyrrhenian	Ligure (NMed)
<i>Heteroteuthis dispar</i>			7		3	0.5			2	2	0.4	
<i>Sepiola</i> sp.						0.5						
<i>Rondeletiola minor</i>	4											
<i>Sepia officinalis</i>						1					2	
<i>Loligo forbesii</i>								67				
<i>Loligo vulgaris</i>						0.5					3	
<i>Brachioteuthis riisei</i>	3	1			1	2						
<i>Chenopteryx sicula</i>					1							
<i>Chroteuthis veranii</i>	2		3		4	0.7			2			
Cranchiidae												4
<i>Galiteuthis armata</i>			3			1						
<i>Megalocranchia</i> sp.						0.5						
<i>Taonius pavo</i>	0.5											
<i>Taonius</i> sp.												
<i>Tewthowenia</i> sp.				7								
<i>Abralia veranii</i>					4							
<i>Abraliopsis pfefferi</i>						2						
<i>Ancistrocheirus lesueurii</i>				7	3	4						
<i>Histioteuthis bonnellii</i>	51	24	13	14	3	14	33		62	4	47	71
<i>Histioteuthis reversa</i>	12	31		21	61	9	33		15	78	4	
<i>Histioteuthis</i> sp.									3			3
<i>Histioteuthis</i> Type A					2							
<i>Octopoteuthis sicula</i>	0.5				6							
<i>Taningia danae</i>												
<i>Illex coindetii</i>	0.5					9					17	
<i>Ommastrephes caroli</i>	0.3				1	0.9						
<i>Todarodes sagittatus</i>	6			14	1	10	33	33	5	7	18	
<i>Todarodes</i> sp.												
<i>Todaropsis eblanae</i>						4						
<i>Ancistroteuthis lichtensteini</i>			24			12			2	9	1	17
<i>Onychoteuthis banksii</i>			40		6	6			3			
<i>Pyroteuthis margaritifera</i>					2							
<i>Mastigoteuthis</i> sp.						7						
<i>Argonauta argo</i>	0.3	1			3	8			2		1	
<i>Argonauta</i> spp.				7								
<i>Bathypolypus sponsalis</i>	0.3											
<i>Ocythoe tuberculata</i>						3			2		6	
<i>Eledone cirrhosa</i>	7					3					0.4	

<i>Eledone moschata</i>	0.3			
<i>Eledone</i> sp.				1
<i>Octopus vulgaris</i>	0.8	14	1	
<i>Octopus macropus</i>			0.5	
<i>Octopus salutti</i>			0.2	
<i>Pteroctopus tetracirrhus</i>	4			
<i>Scaevurgus unicolorrhus</i>	0.3			
<i>Tremoctopus violaceus</i>	0.5	3		
Teuthidae type A (5)	3			
Teuthidae type B (39)	25			
Teuthidae type C (15)	10			
Teuthidae type D (9)	6			
Teuthida unidentified (9)		7		5
Unidentified	0.5	14		4

REFERENCES

- Bello, G. (1992). Stomach contents of a Risso's dolphin, *Grampus griseus*. Do dolphins compete with fishermen and swordfish, *Xiphias gladius*? *European Research of Cetaceans*, 6, 199–202.
- Bello, G. (1996). Teuthophagous predators as collectors of oceanic cephalopods: the case of the Adriatic Sea. *Bollettino Malacologico*, 32(1–4), 71–78.
- Bello, G., & Bentivegna, F. (1996). Cephalopod remains from the stomach of a Risso's dolphin, *Grampus griseus* (Cetacea: Delphinidae), stranded along the eastern Tyrrhenian coast. *Atti della Società italiana di Scienze naturali e del Museo civico di Storia Naturale di Milano*, 135(2), 467–469.
- Blanco, C., Raduán, Á., & Raga, J. A. (2006). Diet of Risso's dolphin (*G. griseus*) in the Western Mediterranean Sea. *Scientia Marina*, 70(3), 407–411.
- Carlini, R., Pulcini, M. & Wurtz, M. (1992, February 20–22). Cephalopods from the stomachs of Risso's dolphins, *Grampus griseus* (Cuvier, 1812), stranded along the Central Tyrrhenian coast. In P. G. H. Evans (Ed.), *Proceedings of the Sixth Annual Conference of the European Cetacean Society*, San Remo, Italy.
- Fernández-Álvarez, F. Á., Braid, H., Nigmatullin, C., Bolstad, K., Haimovici, M., Sánchez, P., Sajikumar, K. K., Ragesh, N., & Villanueva, R. (2020). Global biodiversity of the genus *Ommastrephes* (Ommastrephidae: Cephalopoda): an allopatric cryptic species complex. *Zoological Journal of the Linnean Society*, 190(2), 460–482.
- García-Polo, M., Giménez, J., Mons, J., Castillo, J., De Stephanis, R., Santos, M., & Fernández- Maldonado, C. (2014, July 10–11). Stomach contents of cetaceans in the Alborán Sea and Gulf of Cádiz [Conference abstract]. IMMR | International Meeting on Marine Research 2014, Peniche, Portugal.
- Guerra, Á. (1992). *Fauna Ibérica, Volume 1: Mollusca, Cephalopoda* Museo Nacional de Ciencias Naturales.
- Guerra, Á., González, Á., Roeleveld, M., & Jereb, P. (2014). Cephalopods. In K. Carpenter, & N. De Angelis (Eds.), *The living resources of the Eastern Central Atlantic. Introduction, Cephalopods in Mauritanian Waters: crustacean, chitons and cephalopods* (Vol. 1, pp. 369–638.). FAO species identification guide for fisheries purposes. Food and Agriculture Organization of the United Nations.
- Jereb, P., & Roper, C. F. E. (2005). *Cephalopods of the world. An annotated and illustrated catalogue of species known to date. Chambered nautilus and sepioids (Nautilidae, Sepiidae, Sepiolidae, Sepiadariidae, Idiosepiidae and Spirulidae)*. FAO Species Catalogue for Fishery Purposes. No. 4, Volume 1. Food and Agriculture Organization of the United Nations.

- Jereb, P., & Roper, C. F. E. (2010). *Cephalopods of the world. An annotated and illustrated catalogue of species known to date. Myopsid and oegopsid squids*. FAO Species Catalogue for Fishery Purposes. No. 4, Volume 2. Food and Agriculture Organization of the United Nations.
- Jereb, P., Roper, C. F. E., Norman, M. D., & Finn, J. K. (2013). *Cephalopods of the world. An annotated and illustrated catalogue of species known to date. Octopods and vampire squids*. FAO Species Catalogue for Fishery Purposes. No. 4, Volume 3. Food and Agriculture Organization of the United Nations.
- Milani, C. B., Vella, A., Vidoris, P., Christidis, A., Koutrakis, E., Frantzis, A., Miliou, A., & Kallianiotis, A. (2017). Cetacean stranding and diet analyses in the North Aegean Sea (Greece). *Journal of the Marine Biological Association of the United Kingdom*, 98(5), 1011–1028. <https://doi.org/10.1017/S0025315417000339>
- Orsi Relini, L., Garibaldi, F. & Poggi, R. (1997). Note sull'alimentazione del grampo nel Mar Ligure [Notes on the nutrition of the grampus in the Ligurian Sea]. *Convegno Nazionale sui Cetacei*, 3, Napoli, Italy.
- Pedà, C., Battaglia, P., Scuderi, A., Voliani, A., Mancusi C, Andaloro, F. & Romeo, T. (2015). Cephalopod prey in the stomach contents of odontocete cetaceans stranded in the Western Mediterranean Sea. *Marine Biology Research*, 11(6), 593–602. <https://doi.org/10.1080/17451000.2014.966724>
- Podestà, M., & Meotti, C. (1991). The stomach contents of a Cuvier's beaked whale, *Ziphius cavirostris*, and a Risso's dolphin, *Grampus griseus*, stranded in Italy. *European Research on Cetaceans*, 5, 58–61.
- ToL. (2019). *The Tree of Life Web Project*. <http://tolweb.org/>
- Würtz, M., Poggi, R., & Clarke, M. R. (1992). Cephalopods from the stomachs of a Risso's dolphin (*Grampus griseus*) from the Mediterranean. *Journal of the Marine Biological Association of the United Kingdom*, 72(4), 861–867. <https://doi.org/10.1017/S0025315400060094>