

Supplementary Material

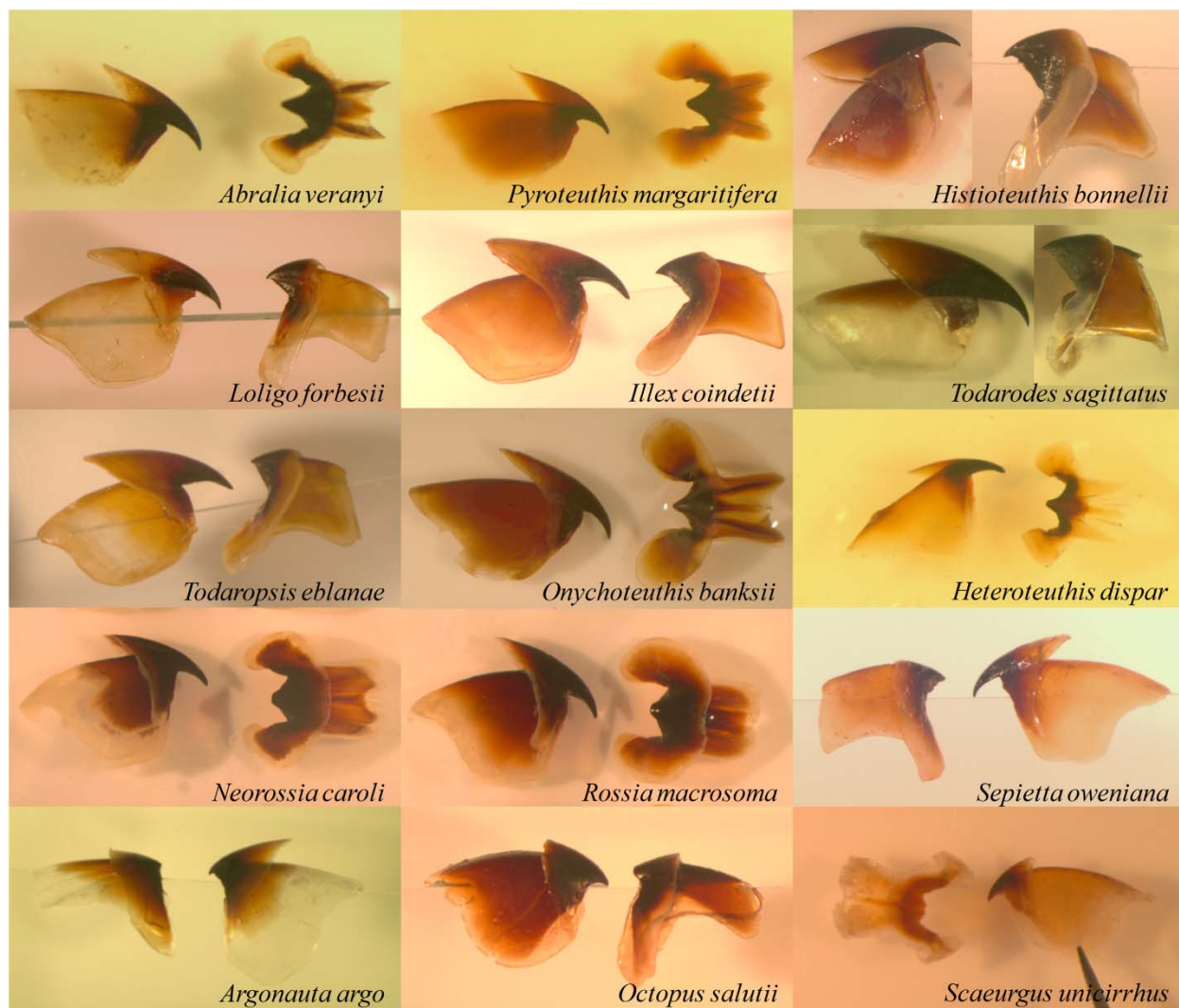


Fig. S1. Pictures of the upper and lower beaks from the cephalopod species identified in the stomach contents of *Scyliorhinus canicula* and *Squalus blainville* sampled in the Aegean Sea.

Table S1. Equations used for the ML reconstruction of the cephalopod species identified in the stomach contents of *Scylliorhinus canicula* and *Squalus blainville* sampled in the Aegean Sea. The maximum ML recorded for each of the species is also presented.

Cephalopod species	Common names	Equation	Reference	ML _{max}	Reference
<i>Abralia veranyi</i> (Rüppell, 1844)	Verany's enope squid	ML= -2.103+24.257LRL	Öztürk <i>et al.</i> , 2007	47*	Salman & Laptikovskiy, 2005
<i>Pyroteuthis margaritifera</i> (Rüppell, 1844)	Jewel enope squid	ML= 5.26+26.73LRL	Lu & Ickeringill, 2002	40*	Mangold & Boletzky, 1987
<i>Histioteuthis bonnellii</i> (Férussac, 1834)	Umbrella squid	ML= 1.82+15.24LRL	Lu & Ickeringill, 2002	330*	Mangold & Boletzky, 1987
<i>Loligo forbesii</i> (Steenstrup, 1856)	Veined squid	ML= -42.22+84.274LRL	Clarke, 1986	560*	Jereb <i>et al.</i> , 2015
<i>Illex coindetii</i> (Vérany, 1839)	Broadtail squid	ML= 58.18LRL ^{0.816}	Lefkaditou, unpubl.	280*	Jereb <i>et al.</i> , 2015
<i>Todarodes sagittatus</i> (Lamarck, 1798)	European flying squid	ML= 76.72+27.379LRL	Lefkaditou, unpubl.	600*	Cuccu <i>et al.</i> , 2005
<i>Todaropsis eblanae</i> (Ball, 1841)	Lesser flying squid	ML= 32.77LRL ^{1.09}	Lefkaditou, unpubl.	204*	Jereb <i>et al.</i> , 2015
<i>Onychoteuthis banksii</i> (Leach, 1817)	Boreal clubhook squid	ML= 2.31+32.75LRL ML = -7.29+37.78URL	Lu & Ickeringill, 2002	301*	Quetglas <i>et al.</i> , 2013
<i>Heteroteuthis dispar</i> (Rüppell, 1844)	Odd bobtail	ML= 21.6LRL ^{0.799} LRL= 0.878URL ^{1.087}	Lefkaditou, unpubl.	25	Jereb & Roper, 2005
<i>Neorossia caroli</i> (Joubin, 1902)	Carol bobtail	ML= -1.544+23.411LRL	Açık & Salman, 2010	83	Jereb & Roper, 2005
<i>Rossia macrosoma</i> (Delle Chiaje, 1830)	Stout bobtail	ML= 5.032+18.344 LRL	Açık & Salman, 2010	85*	Mangold & Boletzky, 1987
<i>Sepietta oweniana</i> (d'Orbigny, 1839–1841)	Common bobtail	ML= 9.558+14.742LRL	Açık & Salman, 2010	40*	Jereb & Roper, 2005
<i>Argonauta argo</i> (Linnaeus, 1758)	Greater argonaut	ML= -1.1670+6.2816LCL	Smale <i>et al.</i> , 1993	97	Jereb <i>et al.</i> , 2015
<i>Octopus salutii</i> (Vérany, 1836)	Spider octopus	ML= -11.525+38.039LHL	Lefkaditou, unpubl.	165*	Quetglas <i>et al.</i> , 2005
<i>Scaevargus uniccirrhus</i> (Delle Chiaje, 1841)	Unihorn octopus	ML= 24.962LHL ^{1.049}	Lefkaditou, unpubl.	90	Jereb <i>et al.</i> , 2015

Abbreviations: N, number of individuals; ML, mantle length; ML_{max}, maximum mantle length; LRL, lower rostral length; URL, upper rostral length; LHL, lower hood length in mm; *Mediterranean Sea; Common names according to FAO (Mangold & Boletzky, 1987).

Table S2. Summary of the cephalopods prey contribution in the diet of *Scyliorhinus canicula* in various locations of the Mediterranean Sea and Atlantic Ocean.

Area	N	TL range (mm)	Cephalopod species	Contribution to diet					Reference
				%N	%W	%O	IRI	%IRI	
AEG	314	209–517	<i>Abralia veranyi</i> *	6					Present study
			<i>Pyroteuthis margaritifera</i> *	1					
			<i>Histioteuthis bonnellii</i> *	1					
			<i>Loligo forbesii</i> *	1					
			<i>Illex coindetii</i>	10					
			<i>Todarodes sagittatus</i> *	1					
			<i>Todaropsis eblanae</i>	2					
			<i>Onychoteuthis banksii</i> *	2					
			<i>Heteroteuthis dispar</i>	10					
			<i>Neorossia caroli</i> *	1					
			<i>Rossia macrosoma</i> *	5					
			<i>Sepietta oweniana</i>	2					
			<i>Argonauta argo</i> *	1					
			<i>Octopus salutii</i> *	1					
<i>Scaevurgus unicirrhus</i>	1								
			Total Cephalopoda	45		0.38			
AEG	314	209–517	Total Cephalopoda		30.8			Kousteni <i>et al.</i> , 2016a	
nAEG	34	241–451	Total Cephalopoda		50.2			Karachle & Stergiou, 2010	
neAEG	29	139–530	<i>Illex coindetii</i>	+					Kabasakal, 2002b
			<i>Todaropsis eblanae</i>	+					
			<i>Sepia officinalis</i>	+					
			<i>Sepia elegans</i>	+					
			<i>Sepia</i> sp.	+					
ION	1	460	<i>Abralia veranyi</i>	1					Lefkaditou <i>et al.</i> , 2016
			<i>Heteroteuthis dispar</i>	4					
ADR	31	94–485	<i>Heteroteuthis dispar</i>	66.7		13.8			Bello, 1997
			<i>Illex coindetii</i>	33.3		6.90			
ADR	852	104–460	<i>Sepioloa rondeletii</i>	1.80	1.00	3.50	9.80	0.20	Šantić <i>et al.</i> , 2012
			<i>Sepia elegans</i>	1.50	1.00	3.00	7.50	0.10	
			<i>Illex coindetii</i>	1.00	0.90	2.30	4.30	<0.1	
			<i>Todaropsis</i> sp.	1.00	0.80	2.30	4.10	<0.1	
			<i>Sepietta oweniana</i>	0.90	0.70	2.10	3.30	<0.1	
			Unidentified	2.40	1.80	3.50	14.70	0.30	
			Total Cephalopoda	8.60	6.20	10.3	152.4	3.00	
MAL	396	140–520	Total Cephalopoda (<i>Eledone</i> sp., Sepiolidae, <i>Octopus defilippi</i>)		16.4			Gravino <i>et al.</i> , 2010	
BAL	66	140–46	Total Cephalopoda				0.60	Valls <i>et al.</i> , 2011	
POR	858	215–610	<i>Loligo vulgaris</i>	0.11	0.33	0.23		Martinho <i>et al.</i> , 2012	

			<i>Sepia officinalis</i>	0.06	0.11	0.12	
			Octopodidae	0.11	0.70	0.23	
			Total Cephalopoda	2.40	1.40	3.50	
			<i>Octopus defilippi</i>		0.70		
CAN	13	140–700	Other Cephalopoda		5.80		Olaso <i>et al.</i> , 1998
			Total Cephalopoda		6.50		
CAN	445	120–680	Total Mollusca		3.18		Serrano <i>et al.</i> , 2003
CAN	4.362	140–700	Total Cephalopoda	11.0	6.10		Olaso <i>et al.</i> , 2005
			<i>Octopus vulgaris</i>	0.54	1.22	0.71	1.25
			<i>Illex coindetii</i>	0.54	0.47	0.71	0.72
			<i>Sepia officinalis</i>	0.82	1.78	1.07	2.78
CAN	975	282–531	<i>Sepiola rondeletii</i>	1.09	0.36	0.71	1.03
			Unidentified	1.91	1.40	2.49	8.24
			Total Cephalopoda	4.90	5.23	5.69	14.0

Abbreviations: N, number of non-empty stomachs examined; TL, total length; %N, numerical index; %W, gravimetric index; %O, occurrence index by Hyslop (1980); IRI, index of relative importance by Pinkas *et al.* (1971); %IRI, ranked IRI by Rosecchi & Nouaze (1987); MEDITERRANEAN: AEG, Aegean Sea; neAEG, northeastern Aegean Sea; ION, Ionian Sea; ADR, Adriatic Sea; MAL, off Malta; BAL, off Balearics; ATLANTIC: POR, off Portugal; CAN, Cantabrian Sea; the number of individuals per species is given in italics; +, present; *first record in *S. canicula* diet

Table S3. Summary of the cephalopods prey contribution in the diet of *Squalus blainville* in various locations of the Mediterranean Sea and Atlantic Ocean.

Area	N	TL range (mm)	Cephalopod species	Contribution to diet					Reference
				%N	%W	%O	IRI	%IRI	
AEG	147	182–759	<i>Abralia veranyi</i>	4					Present study
			<i>Pyroteuthis margaritifera</i> *	1					
			<i>Illex coindetii</i> *	3					
			<i>Todarodes sagittatus</i> *	1					
			<i>Todaropsis eblanae</i> *	2					
			<i>Onychoteuthis banksii</i> *	1					
			<i>Heteroteuthis dispar</i>	4					
			<i>Rossia macrosoma</i> *	1					
			<i>Octopus salutii</i> *	1					
			<i>Scaevargus unichirrus</i>	4					
			Total Cephalopoda	22		37.4			
AEG	147	182–759	Total Cephalopoda		51.2			Kousteni <i>et al.</i> , 2017	
neAEG	57♂	160–270	Total Cephalopoda	12.2	28.2	16.2		6.99	Özütemiz <i>et al.</i> , 2009
	78♀	170–280	Total Cephalopoda	7.35	21.0	10.9		3.28	
neAEG	33	350–420	<i>Sepia elegans</i>	1.98	16.4	24.2	446		Kabasakal, 2002a
			Unidentified	0.66	6.57	6.06	43.8		
			Total Cephalopoda	2.64	7.54	30.3	309		
ION	75	357–780	<i>Abralia veranyi</i>	1					Lefkaditou <i>et al.</i> , 2016
			<i>Abraliopsis morisii</i>	3					
			<i>Heteroteuthis dispar</i>	5					
			<i>Scaevargus unichirrus</i>	2					
POR	233	326–796	<i>Loligo vulgaris</i>	0.26	1.33	0.43			Martinho <i>et al.</i> , 2012
			<i>Sepia officinalis</i>	0.77	1.13	0.86			
			Octopodidae	0.77	4.03	1.29			
			Total Cephalopoda	3.84	5.20	5.58			

Abbreviations: N, number of non-empty stomachs examined; TL, total length; %N, numerical index; %W, gravimetric index; %O, occurrence index by Hyslop (1980); IRI, index of relative importance by Pinkas *et al.* (1971); %IRI, ranked IRI by Rosecchi & Nouaze (1987); MEDITERRANEAN: AEG, Aegean Sea; neAEG, northeastern Aegean Sea; ION, Ionian Sea; ATLANTIC: POR, off Portugal; the number of individuals per species is given in italics; *first record in *S. blainville* diet

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