Supplementary Information

Table S1. Characterization of invertebrate and fish taxa and trophic group name assignments based on available morphological, distributional, and dietary characteristics.

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
Group 1. Pelagic primary consumers									
Copepods	CO	Hexanauplia	6	Pelagic	-	Phytoplankton	-	-	-
Sepia orbignyana	SO	Cephalopoda	10	Demersal	6.88 (1.04)	Decapod crustaceans (Natantia and portunids)	-	9.5	Bello, G., & Piscitelli, G. (2000). Effect of sex on tentacular club development and relationships with feeding efficiency and growth in *Sepia orbignyana* (Cephalopoda, Sepiidae). Ophelia, 53(2), 113-118. Valls Mir, M. (2018). Trophic ecology in marine ecosystems from the Balearic sea (western Mediterranean). PhD thesis. Universitat de les Illes Balears. 180p
Group 2. Benthic primary consumers									
Pecten maximus	PE	Bivalvia	52	Benthic	-	Phytoplankton	-	-	Chauvaud, L., Donval, A., Thouzeau, G., Paulet, Y.-M. and Nézan, E. (2001) Variations in food intake of *Pecten maximus* (L.) from the Bay of Brest (France): Influence of environmental factors and phytoplankton species composition. Comptes Rendus de l'Académie Des Sciences - Series III - Sciences de La Vie, 324(8), 743-755.
Group 3. Demersal/benthic fish & benthic cephalopods									
Sepia elegans	SE	Cephalopoda	10	Benthic	5.60 (2.37)	Epibenthic crustaceans and Mysids	-	7.2	Castro, B. G., & Guerra, Á. (1990). The diet of *Sepia officinalis* (Linnaeus, 1758) and *Sepia elegans* (D'Orbigny, 1835) (Cephalopoda, Sepioidea) from the Ría de Vigo (NW Spain).

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
									Vafidis, D., Kallianiotis, A., Chartosia, N., & Koukouras, A. (2009). The Sepioidea (Cephalopoda, Mollusca) fauna of the Aegean Sea: comparison with the neighbouring seas and notes on their diet composition. Journal of Biological Research, 11, 57-71.
Arnoglossus imperialis	AR	Actinopterygii	10	Benthic	13.80 (2.05)	Suprabenthic prey (Mysids)	12.0	25.0	Castro, N., Costa, J. L., Domingos, I., & Angelico, M. M. (2013). Trophic ecology of a coastal fish assemblage in Portuguese waters. Journal of the Marine Biological Association of the United Kingdom, 93(5), 1151-1161.
Callionymus maculatus	CM	Actinopterygii	7	Demersal	-	Polychaetes and epibenthic amphipods	-	16.5	Gibson, R. N., & Ezzi, I. A. (1979). Aspects of the biology of the spotted dragonet *Callionymus maculatus* Rafmesque-Schmaltz from the west coast of Scotland. Journal of Fish Biology, 15(5), 555-569.
Capros aper	CA	Actinopterygii	23	Demersal	14.47 (1.28)	Copepods and Mysids	13.0	30.0	Lopes, M., Murta, A. G., & Cabral, H. N. (2006). The ecological significance of the zooplanktivores, snipefish *Macroramphosus* spp. and boarfish *Capros aper*, in the food web of the south-east North Atlantic. Journal of fish biology, 69(2), 363-378.
Gadiculus argenteus argenteus	GA	Actinopterygii	7	Demersal	6.71 (0.76)	Euphausiids and Mysids	10.0	15.3	Mattson, S. (1981). The food of *Galeus melastomus, Gadiculus argenteus thori, Trisopterus esmarkii, Rhinonemus cimbrius,* and *Glyptocephalus cynoglossus* (Pisces) caught during the day with shrimp trawl in a West-Norwegian fjord. Sarsia, 66(2), 109-127. Albert, O. T. (1993). Distribution, population structure and diet of silvery pout (*Gadiculus argenteus thori* J. Schmidt), poor cod (*Trisopterus minutus minutus* (L.)), four-bearded rockling (*Rhinonemus cimbrius* (L.)), and Vahl's eelpout (*Lycodes vahlii gracilis* Reinhardt) in the Norwegian Deep. Sarsia, 78(2), 141-154.
Group 4. Pelagic/demersal/benthic fish, demersal cephalopods & macrobenthos carnivores									
Munida intermedia	MU	Malacostraca	6	Benthic	1.40 (0.14)	Euphausiidss, slow moving organisms and detritus	-	-	Hudson, I. R., & Wigham, B. D. (2003). In situ observations of predatory feeding behaviour of the galatheid squat lobster *Munida sarsi* using a remotely operated vehicle. Journal of the Marine Biological Association of the United Kingdom, 83(3), 463-464.

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
Sepiola sp.	SS	Cephalopoda	16	Demersal	-	Mysids and shrimps (mostly *Crangon crangon* and *Palaemon serratus*)	-	-	Yau, C., & Boyle, P. R. (1996). Ecology of *Sepiola atlantica* (Mollusca: Cephalopoda) in the shallow sublittoral zone. Journal of the Marine Biological Association of the United Kingdom, 76(3), 733-748. Vafidis, D., Kallianiotis, A., Chartosia, N., & Koukouras, A. (2009). The Sepioidea (Cephalopoda, Mollusca) fauna of the Aegean Sea: comparison with the neighbouring seas and notes on their diet composition. Journal of Biological Research, 11, 57-71.
Todaropsis eblanae	TO	Cephalopoda	17	Demersal	-	Euphausiids and pelagic fish	-	22.0-29.0	Rasero, M., Gonzalez, A. F., Castro, B. G., & Guerra, A. (1996). Predatory relationships of two sympatric squid, *Todaropsis eblanae* and *Illex coindetii* (Cephalopoda: Ommastrephidae) in Galician waters. Journal of the Marine Biological Association of the United Kingdom, 76(1), 73-87. Lordan, C., Burnell, G. M., & Cross, T. F. (1998). The diet and ecological importance of *Illex coindetii* and *Todaropsis eblanae* (Cephalopoda: Ommastrephidae) in Irish waters. African Journal of Marine Science, 20.
Clupea harengus	CL	Actinopterygii	10	Pelagic	22.90 (4.62)	Copepods and euphausiids	30.0	45.0	Langøy, H., Nøttestad, L., Skaret, G., Broms, C., & Fernö, A. (2012). Overlap in distribution and diets of Atlantic mackerel (*Scomber scombrus*), Norwegian spring-spawning herring (*Clupea harengus*) and blue whiting (*Micromesistius poutassou*) in the Norwegian Sea during late summer. Marine biology research, 8(5-6), 442-460.
Eutrigla gurnardus	EU	Actinopterygii	10	Demersal	21.15 (4.40)	Benthic invertebrates and fish	30.0	60.0	Weinert, M., Floeter, J., Kröncke, I., & Sell, A. F. (2010). The role of prey composition for the condition of grey gurnard (*Eutrigla gurnardus*). Journal of applied ichthyology, 26, 75-84.
Helicolenus dactylopterus	HE	Actinopterygii	7	Demersal	14.00 (0.58)	Mysids as well as shrimps and fish	25.0	50.0	Neves, A., Sequeira, V., Paiva, R. B., Vieira, A. R., & Gordo, L. S. (2012). Feeding habits of the bluemouth, *Helicolenus dactylopterus dactylopterus* (Delaroche, 1809) (Pisces: Sebastidae) in the Portuguese coast. Helgoland Marine Research, 66(2), 189.
Lepidorhombus boscii	LE	Actinopterygii	6	Benthic	24.00 (2.65)	Mysids and shrimps	20.0	40.0	Morte, S., Redón, M. J., & Sanz-Brau, A. (1999). Feeding ecology of two megrims *Lepidorhombus boscii* and *Lepidorhombus whiffiagonis* in the western Mediterranean (Gulf of Valencia, Spain). Journal of the Marine Biological Association of the United Kingdom, 79(1), 161-169.

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
Merluccius merluccius	ME	Actinopterygii	39	Demersal	26.85 (19.46)	Caridean and amphipods as well as fish	45.0	140.0	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Micromesistius poutassou	MI	Actinopterygii	26	Pelagic	27.42 (5.04)	Copepods, hyperiid amphipods and caridean as well as fish	22.0	55.5	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Phycis blennoides	PH	Actinopterygii	13	Demersal	29.25 (8.78)	Decapod crustaceans (Natantia) as well as Mysids and fish	-	110.0	Cabral, H. N., & Murta, A. G. (2002). The diet of blue whiting, hake, horse mackerel and mackerel off Portugal. Journal of Applied Ichthyology, 18(1), 14-23. Morte, M. S., Redón, M. J., & Sanz-Brau, A. (2002). Diet of *Phycis blennoides* (Gadidae) in relation to fish size and season in the western Mediterranean (Spain). Marine Ecology, 23(2), 141-155.
Sardina pilchardus	SA	Actinopterygii	12	Pelagic	17.00 (3.71)	Zooplankton (including crustacean eggs, copepods, decapod/cirripedes/fish eggs, dinoflagellates and diatoms)	20.0	27.5	Garrido, S., Ben-Hamadou, R., Oliveira, P. B., Cunha, M. E., Chícharo, M. A., & van der Lingen, C. D. (2008). Diet and feeding intensity of sardine *Sardina pilchardus*: correlation with satellite-derived chlorophyll data. Marine Ecology Progress Series, 354, 245-256.
Scomber scombrus	SC	Actinopterygii	22	Pelagic	22.25 (4.80)	Copepods and euphausiids	30.0	60.0	Collette, B. and Nauen, C. (1983) FAO Species Catalogue. Vol. 2. Scombrids of the world. An annotated and illustrated catalogue of tunas, mackerels, bonitos and related species known to date. Rome: FAO. FAO Fish. Synop. 125(2), 137 p.
Sprattus sprattus	SP	Actinopterygii	18	Pelagic	14.00 (2.89)	Copepods, euphausiid eggs and phytoplankton	12.0	16.0	Falkenhaug, T., & Dalpadado, P. (2014). Diet composition and food selectivity of sprat (Sprattus sprattus) in Hardangerfjord, Norway. Marine biology research, 10(3), 203-215.
Squalus acanthias	SQ	Actinopterygii	12	Demersal	74.75 (16.39)	Mainly fish	95.0	100.0	Ellis, J. R., Pawson, M. G., & Shackley, S. E. (1996). The comparative feeding ecology of six species of shark and four species of ray (Elasmobranchii) in the north-east Atlantic. Journal of the Marine Biological Association of the United Kingdom, 76(1), 89-106. Domi, N., Bouquegneau, J., and Das, K. (2005). Feeding ecology of five commercial shark species of the Celtic Sea through stable isotope and trace metal analysis. Marine Environmental Research, 60(5), 551-569.
Trisopterus esmarkii	TR	Actinopterygii	14	Demersal	19.88 (2.30)	Copepods and euphausiids	19.0	35.0	Raitt, D. F. S., & Adams, J. A. (1965). The food and feeding of *Trisopterus esmarkii* (Nilsson) in the northern North Sea, (3).

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
Group 5. Demersal/benthic fish, demersal cephalopods & macrobenthos carnivores									
Macropipus tuberculatus	MC	Malacostraca	12	Benthic	-	Epifaunal crustaceans, small fish and also infaunal organisms (echinoderms, polychaetes and bivalves) and pelagic shrimps	-	4.0	Abelló, P. (1989). Feeding habits of *Macropipus tuberculatus* (Brachyura, Portunidae) off the Catalan coast (NW Mediterranean). Miscel· lània Zoològica, 13, 45-50.
Nephrops norvegicus	NE	Malacostraca	18	Benthic	7.50 (1.41)	Decapod crustaceans (mainly shrimps) as well as other crustaceans and fish and suspended particulate organic matter.	19.0	24.0	Cristo, M. (1998). Feeding ecology of Nephrops norvegicus (Decapoda: Nephropidae). Journal of natural history, 32(10-11), 1493-1498. da Silva Santana, C., Wieczorek, A., Browne, P., Graham, C., and Power, A. (2020) Importance of suspended particulate organic matter in the diet of *Nephrops norvegicus* (Linnaeus, 1758). Scientific Reports, **10,** 3387.
Illex coindetii	IL	Cephalopoda	19	Demersal	-	Amphipods, cepholopods and benthic fish when feeding on the bottom and pelagic fish in the water column.	-	27.9-37.9	Piatkowski, U. (2006) *Illex coindetii*. Broadtail shortfin squid. Life history species review. CEPHSTOCK: Cephalopod Stocks in European Waters. Review, Analysis, Assessment and Sustainable Management. 20 p.
Rossia macrosoma	RO	Cephalopoda	12	Demersal	-	Decapod crustaceans (Natantia), Mysids and fish	2-6	8.5	Vafidis, D., Kallianiotis, A., Chartosia, N., & Koukouras, A. (2009). The Sepioidea (Cephalopoda, Mollusca) fauna of the Aegean Sea: comparison with the neighbouring seas and notes on their diet composition. Journal of Biological Research, 11, 57-71.
Callionymus lyra	CR	Actinopterygii	14	Demersal	22.71 (2.58)	Decapod crustaceans (mostly the porcelain crab *Pisidia longicornis*)	15.0	25-30.5	Griffin, R., Pearce, B., & Handy, R. D. (2012). Dietary preference and feeding selectivity of common dragonet *Callionymus lyra* in UK. Journal of fish biology, 81(3), 1019-1031.
Glyptocephalus cynoglossus	GL	Actinopterygii	10	Benthic	36.00 (5.83)	Benthic crustaceans (decapods, amhipods, Mysids, cumacean), polychaetes and to a lesser extent bivalves and polychaetes	-	60.0	Mattson, S. (1981). The food of *Galeus melastomus, Gadiculus argenteus thori, Trisopterus esmarkii, Rhinonemus cimbrius,* and *Glyptocephalus cynoglossus* (Pisces) caught during the day with shrimp trawl in a West-Norwegian fjord. Sarsia, 66(2), 109-127.
Hippoglossoides platessoides	HI	Actinopterygii	7	Benthic	22.71 (1.50)	Crustaceans (natant decapods), polychaetes, and echinoderms (ophiuroids) and also juvenile demersal and benthic fish	-	82.6	Ntiba, M. J., & Harding, D. (1993). The food and the feeding habits of the long rough dab, *Hippoglossoides platessoides* (Fabricius 1780) in the North Sea. Netherlands journal of sea research, 31(2), 189-199.

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Lepidorhombus whiffiagonis	LW	Actinopterygii	27	Benthic	23.82 (11.72)	Decapod crustaceans (Natantia), galatea, Mysids and also fish	25.0	60.0	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Leucoraja naevus	LN	Elasmobranchii	10	Benthic	56.50 (9.70)	Fish (mainly sand eel), polychaetes and crustaceans	40.0	71.0	Farias, I., Figueiredo, I., Moura, T., Gordo, L. S., Neves, A., & Serra-Pereira, B. (2006). Diet comparison of four ray species (*Raja clavata*, *Raja brachyura*, *Raja montagui* and *Leucoraja naevus*) caught along the Portuguese continental shelf. Aquatic Living Resources, 19(2), 105-114.
Lophius piscatorius	LOS	Actinopterygii	29	Demersal	35.24 (21.56)	Crustaceans (shrimps) and benthic demersal fish	100.0	200.0	Issac, P., Robert, M., Le Bris, H., Rault, J., Pawlowski, L. and Kopp, D. (2017). Investigating feeding ecology of two anglerfish species, *Lophius piscatorius* and *Lophius budegassa* in the Celtic Sea using gut content and isotopic analyses. Food Webs, 13, 33-37.
Microstomus kitt	MK	Actinopterygii	12	Benthic	27.42 (5.04)	Polychaetes and amphipods	-	60.0	Amezcua, F. N. R. D. M., Nash, R. D. M., and Veale, L. (2003) Feeding habits of the Order Pleuronectiformes and its relation to the sediment type in the north Irish Sea. Journal of the Marine Biological Association of the United Kingdom, 83(3), 593-601.
Group 6. Pelagic/demersal fish & demersal cephalopods									
Alloteuthis sp.	AL	Cephalopoda	13	Demersal	-	Demersal and pelagic fish and crustaceans	-	14-21	Hastie, L. C., Pierce, G. J., Wang, J., Bruno, I., Moreno, A., Piatkowski, U., & Robin, J. P. (2016). Cephalopods in the north-eastern Atlantic: species, biogeography, ecology, exploitation and conservation. In Oceanography and marine biology (pp. 123-202). CRC Press.
Loligo forbesii	LF	Cephalopoda	19	Demersal	15.53 (10.98)	Demersal and pelagic fish, epibenthic and pelagic crustaceans and cephalopods	-	41-90	Hastie, L. C., Pierce, G. J., Wang, J., Bruno, I., Moreno, A., Piatkowski, U., & Robin, J. P. (2016). Cephalopods in the north-eastern Atlantic: species, biogeography, ecology, exploitation and conservation. In Oceanography and marine biology (pp. 123-202). CRC Press.
Argentina sphyraena	AS	Actinopterygii	17	Demersal	17.47 (3.06)	Polychaetes and demersal fish (gobies) in Autumn	20.0	35.0	Halliday, R. G. (1969). Reproduction and feeding of *Argentina sphyraena* [Isospondyli] in the Clyde Sea Area. Journal of the Marine Biological Association of the United Kingdom, 49(3), 785-803.

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Chelidonichthys cuculus	CH	Actinopterygii	19	Demersal	24.05 (2.44)	Epibenthic decapods and demersal fish	27.6	70.0	Moreno-Amich, R. (1992). Feeding habits of red gurnard, Aspitrigla cuculus (L. 1758) (Scorpaeniformes, Triglidae), along the Catalan coast (northwestern Mediterranean). Hydrobiologia, 228(3), 175.
Conger conger	CC	Actinopterygii	6	Demersal	106.83 (26.48)	Demersal and pelagic fish and benthic cephalopods	100.0	300.0	Xavier, J. C., Cherel, Y., Assis, C. A., Sendão, J., & Borges, T. C. (2010). Feeding ecology of conger eels (*Conger conger*) in north-east Atlantic waters. Journal of the Marine Biological Association of the United Kingdom, 90(3), 493-501.
Engraulis encrasicolus	EN	Actinopterygii	8	Pelagic	12.13 (3.52)	Copepods, malacostracan larvae, and fish larvae and eggs	13.5	20.0	Schaber, M., Petereit, C., & Paulsen, M. (2010). Diet composition and feeding of European anchovy Engraulis encrasicolus in Kiel Bight, western Baltic Sea. Journal of fish biology, 76(7), 1856-1862.
Lophius budegassa	LB	Actinopterygii	27	Demersal	18.96 (8.52)	Shrimps, flatfish and Gobiidae	50.0	100.0	Issac, P., Robert, M., Le Bris, H., Rault, J., Pawlowski, L. and Kopp, D. (2017). Investigating feeding ecology of two anglerfish species, *Lophius piscatorius* and *Lophius budegassa* in the Celtic Sea using gut content and isotopic analyses. Food Webs, 13, 33-37.
Melanogrammus aeglefinus	MA	Actinopterygii	39	Demersal	24.95 (7.24)	Benthic crustaceans, bivalves and echinids	35.0	112.0	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Mullus surmuletus	MS	Actinopterygii	11	Demersal	17.07 (5.15)	Errant and carnivorous polychaete species	25.0	40.0	Serrano, A., Velasco, F., & Olaso, I. (2003). Polychaete annelids in the diet of demersal fish from the southern shelf of the Bay of Biscay. Journal of the Marine Biological Association of the United Kingdom, 83(3), 619-623.
Trachurus trachurus	TT	Actinopterygii	27	Pelagic	20.95 (10.63)	Copepods, euphausiids, demersal and pelagic fish	22.0	70.0	Cabral, H. N., & Murta, A. G. (2002). The diet of blue whiting, hake, horse mackerel and mackerel off Portugal. Journal of Applied Ichthyology, 18(1), 14-23. Jardas, I., Šantić, M., & Pallaoro, A. (2004). Diet composition and feeding intensity of horse mackerel, *Trachurus trachurus* (Osteichthyes: Carangidae) in the eastern Adriatic. Marine Biology, 144(6), 1051-1056.
Trisopterus minutus	TM	Actinopterygii	20	Demersal	16.89 (3.35)	Epifaunal decapods and small demersal fish	20.0	40.0	Armstrong, M. J. (1982). The predator-prey relationships of Irish Sea poor-cod (*Trisopterus minutus* L.), pouting (*Trisopterus luscus* L.) and cod (*Gadus morhua* L.). ICES Journal of Marine Science, 40(2), 135-152.

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Group 7. Demersal predatory fish									
Gadus morhua	GM	Actinopterygii	36	Demersal	58.25 (23.72)	Mainly demersal and pelagic fish and reptantia (brachyours and anomoures)	100.0	200.0	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Merlangius merlangus	MM	Actinopterygii	34	Demersal	25.06 (7.22)	Demersal and pelagic fish	23.5	91.5	Rault, J., Le Bris, H., Robert, M., Pawlowski, L., Denamiel, M., and Kopp, D. (2017) Diets and trophic niches of the main commercial fish species from the Celtic Sea. Journal of Fish Biology, **91,** 1449-1474.
Molva molva	MO	Actinopterygii	8	Demersal	61.00 (6.78)	Demersal and pelagic fish and also reptantia and cepholopods	106.0	200.0	Mauchline, J., & Gordon, J. D. M. (1984). Feeding and bathymetric distribution of the gadoid and morid fish of the Rockall Trough. Journal of the Marine Biological Association of the United Kingdom, 64(3), 657-665.
Zeus faber	ZE	Actinopterygii	14	Demersal	36.07 (10.09)	Benthic and demersal fish	40.0	90.0	Stergiou, K. I., & Fourtouni, H. (1991). Food habits, ontogenetic diet shift and selectivity in *Zeus faber* Linnaeus, 1758. Journal of Fish Biology, 39(4), 589-603.
Group 8. Demersal/benthic fish & macrobenthos carnivores									
Cancer pagurus	CP	Malacostraca	8	Benthic	18.10 (0.85)	Decapod reptantia and benthic macrofauna	-	20.0	Lawton, P. (1989). Predatory interaction between the brachyuran crab *Cancer pagurus* and decapod crustacean prey. Marine Ecology Progress Series. Oldendorf, 52(2), 169-179. Lawton, P., & Hughes, R. N. (1985). Foraging behaviour of the crab *Cancer pagurus* feeding on the gastropods *Nucella lapillus* and *Littorina littorea*: comparisons with optimal foraging theory. Marine Ecology Progress Series, 143-154.
Maja brachydactyla	MB	Malacostraca	6	Benthic	14.00 (0.00)	Bivalves, gastropods and echinoderms (starfish and sea urchins)	-	22.0	Le Foll. 1993. Biologie et exploitation de l'araignée de mer Maja squinado Herbst en Manche Ouest. Thèse de Doctorat de l'Université de Bretagne Occidentale. 517p
Chelidonichthys lucerna	CS	Actinopterygii	5	Demersal	-	Megabenthic decapods (crabs), and also fish	30.0	75.1	López-López, L., Preciado, I., Velasco, F., Olaso, I., & Gutiérrez-Zabala, J. L. (2011). Resource partitioning amongst five coexisting species of gurnards (Scorpaeniforme: Triglidae): Role of trophic and habitat segregation. Journal of Sea Research, 66(2), 58-68.

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Dicentrarchus labrax	DI	Actinopterygii	8	Demersal	52.00 (5.57)	Decapod brachyoures and fish	50.0	103.0	Mahé K., Delpech J.P., Carpentier A., 2006. Synthèse bibliographique des principales espèces de Manche orientale et du golfe de Gascogne.
Limanda limanda	LI	Actinopterygii	8	Benthic	23.33 (2.08)	Decapods (anomoures), anemones, ophiurids and fish	-	40.0	Amezcua, F. N. R. D. M., Nash, R. D. M., & Veale, L. (2003). Feeding habits of the Order Pleuronectiformes and its relation to the sediment type in the north Irish Sea. Journal of the Marine Biological Association of the United Kingdom, 83(3), 593-601.
Microchirus variegatus	MV	Actinopterygii	16	Benthic	15.44 (1.63)	Decapods (anomoures) and non-tubiculous polychaetes	14.0	35.0	Amezcua, F. N. R. D. M., Nash, R. D. M., & Veale, L. (2003). Feeding habits of the Order Pleuronectiformes and its relation to the sediment type in the north Irish Sea. Journal of the Marine Biological Association of the United Kingdom, 83(3), 593-601.
Mustelus asterias	MT	Elasmobranchii	14	Demersal	88.22 (13.95)	Decapod crustaceans (portunid crabs)	-	140.0	Ellis, J. R., Pawson, M. G., & Shackley, S. E. (1996). The comparative feeding ecology of six species of shark and four species of ray (Elasmobranchii) in the north-east Atlantic. Journal of the Marine Biological Association of the United Kingdom, 76(1), 89-106.
Pleuronectes platessa	PL	Actinopterygii	26	Benthic	31.15 (5.84)	Bivalves and polychaetes	40.0	100.0	Mahé K., Delpech J.P., Carpentier A., 2006. Synthèse bibliographique des principales espèces de Manche orientale et du golfe de Gascogne.
Scophthalmus maximus	SM	Actinopterygii	7	Benthic	56.67 (5.69)	Benthic fish and large crustaceans and bivalves	50.0	100.0	Bauchot, M.-L., 1987. Poissons osseux. p. 891-1421. In: W. Fischer, M.L. Bauchot and M. Schneider (eds.) Fiches FAO d'identification pour les besoins de la pêche. (rev. 1). Méditerranée et mer Noire. Zone de pêche 37. Vol. II. Commission des Communautés Européennes and FAO, Rome.
Raja clavata	RC	Elasmobranchii	7	Benthic	56.00 (7.07)	Decapod crustaceans (brachyuran crabs) and fish	85.0	105-139	Farias, I., Figueiredo, I., Moura, T., Gordo, L. S., Neves, A., & Serra-Pereira, B. (2006). Diet comparison of four ray species (*Raja clavata*, *Raja brachyura*, *Raja montagui* and *Leucoraja naevus*) caught along the Portuguese continental shelf. Aquatic Living Resources, 19(2), 105-114. Ajayi, T. O. (1982). Food and feeding habits of Raja species (Batoidei) in Carmarthen Bay, Bristol channel. Journal of the Marine Biological Association of the United Kingdom, 62(1), 215-223.
Raja microocellata	RA	Elasmobranchii	6	Benthic	69.80 (12.17)	Decapod shrimps and crabs, and benthic and demersal fish	-	87.0	Ajayi, T. O. (1982). Food and feeding habits of Raja species (Batoidei) in Carmarthen Bay, Bristol channel. Journal of the Marine Biological Association of the United Kingdom, 62(1), 215-223.

Trophic group	Code	Taxonomic class	*N*	Main position	Size (± SD) (cm) (this study)	Main prey	Average size (cm)	Maximum size (cm)	References
Raja montagui	RM	Elasmobranchii	10	Benthic	54.20 (5.50)	Decapod shrimps and crabs	50.0	83.5	Ajayi, T. O. (1982). Food and feeding habits of Raja species (Batoidei) in Carmarthen Bay, Bristol channel. Journal of the Marine Biological Association of the United Kingdom, 62(1), 215-223.
Scyliorhinus canicula	SN	Elasmobranchii	14	Demersal	63.36 (5.61)	Decapod crustaceans (Hermit crabs) and gasteropods	60.0	100.0	Lyle, J. M. (1983). Food and feeding habits of the lesser spotted dogfish, *Scyliorhinus canicula* (L.), in Isle of Man waters. Journal of fish biology, 23(6), 725-737.
Solea solea	SL	Actinopterygii	19	Benthic	30.74 (7.73)	Benthic and epibenthic macrofauna	35.0	70.0	Mahé K., Delpech J.P., Carpentier A., 2006. Synthèse bibliographique des principales espèces de Manche orientale et du golfe de Gascogne.

Table S2. Summary of generalised additive model (GAM) comparisons examining the relationship between environmental variables and 1. $\delta^{13}C$ and 2. $\delta^{15}N$. BotTemp=bottom temperature, CHLa=chlorophyll *a* concentration, DEPTH=water depth, seaHab=seabed habitat, (lon,lat)=spatial auto-correlation term. Only models that resulted in improved performance in terms of AICc (ΔAICc) and percent deviance explained (Δ% dev.) are shown and the accepted model is presented in bold.

1. Carbon ($\delta^{13}C$)

	N. terms	Model formula	AICc	ΔAICc	% dev.	Δ % dev.
(a) Community scale	1	CHLa + (lon,lat)	2683.072		42.6	
	2	**CHLa + DEPTH + (lon,lat)**	**2673.007**	**10.1**	**43.7**	**1.1**
	3	CHLa + DEPTH + BotTemp + (lon,lat)	2669.707	3.3	43.9	0.2
	0	Null	3181.499			
(b) Benthic primary consumers (Group 2)	**1**	**BotTemp + (lon,lat)**	**81.50925**		**88.6**	
	2	BotTemp + CHLa + (lon,lat)	82.64254	1.1	89.2	0.4
	0	Null	171.0316			
(c) Pelagic/demersal/benthic fish, demersal cephalopods & macrobenthos carnivores (Group 4)	**1**	**CHLa + (lon,lat)**	**404.2861**		**37.1**	
	2	CHLa + DEPTH + (lon,lat)	402.6042	1.7	37.9	0.8
	0	Null	480.9115			
	1	**seaHab + (lon,lat)**	**356.1028**		**58.3**	

	N. terms	Model formula	AICc	ΔAICc	% dev.	Δ % dev.
(d) Demersal/benthic fish, demersal cephalopods & macrobenthos carnivores (Group 5)	2	seaHab + BotTemp + (lon,lat)	357.7844	1.7	58.5	0.2
	0	Null	484.8324			
(e) Pelagic/demersal fish & demersal cephalopods (Group 6)	1	CHLa + (lon,lat)	384.9722		66.9	
	2	**CHLa + DEPTH + (lon,lat)**	**380.942**	**4.0**	**68.6**	**1.7**
	3	CHLa + DEPTH + seaHab + (lon,lat)	381.5926	0.7	68.9	0.3
	0	Null	588.338			
(f) Demersal predatory fish (Group 7)	**1**	**CHLa + (lon,lat)**	**181.1482**		**35.0**	
	2	CHLa + BotTemp + (lon,lat)	181.5443	0.4	37.5	2.5
	0	Null	198.2662			
(g) Demersal/benthic fish & macrobenthos carnivores (Group 8)	**1**	**DEPTH + (lon,lat)**	**274.9859**		**60.1**	
	2	DEPTH + BotTemp + (lon,lat)	274.8632	0.1	60.9	0.8
	0	Null	373.6927			

2. Nitrogen ($\delta^{15}N$)

	N. terms	Model formula	AICc	ΔAICc	% dev.	Δ % dev.
(a) Community scale	1	CHLa + (lon,lat)	3917.619		38.9	
	2	**CHLa + BotTemp + (lon,lat)**	**3877.729**	**39.9**	**42.3**	**3.4**
	3	CHLa + BotTemp + DEPTH + (lon,lat)	3873.845	3.9	42.9	0.6
	0	Null	4344.958			
(b) Benthic primary consumers (Group 2)	**1**	**seaHab + (lon,lat)**	**111.3399**		**90.6**	
	2	seaHab + BotTemp + (lon,lat)	114.0084		90.7	0.1
	0	Null	209.7557			
(c) Pelagic/demersal/benthic fish, demersal cephalopods & macrobenthos carnivores (Group 4)	**1**	**CHLa + (lon,lat)**	**617.0715**		**60.5**	
	2	CHLa + BotTemp + (lon,lat)	619.4768	2.4	60.7	0.2
	0	Null	780.4604			
(d) Demersal/benthic fish, demersal cephalopods & macrobenthos carnivores (Group 5)	**1**	**seaHab + (lon,lat)**	**508.8192**		**64.1**	
	2	seaHab + BotTemp + (lon,lat)	511.8416	3.0	64.0	0.1
	0	Null	641.2804			
(e) Pelagic/demersal fish & demersal cephalopods (Group 6)	1	CHLa + (lon,lat)	526.9719		77.8	
	2	CHLa + DEPTH + (lon,lat)	501.7342	25.2	80.6	2.8
	3	**CHLa + DEPTH + BotTemp + (lon,lat)**	**498.643**	**3.1**	**82.0**	**1.4**
	4	CHLa + DEPTH + BotTemp + seaHab + (lon,lat)	498.125	0.5	82.2	0.2
	0	Null	788.8009			

	N. terms	Model formula	AICc	ΔAICc	% dev.	Δ % dev.
(f) Demersal predatory fish (Group 7)	**1**	**CHLa + (lon,lat)**	**225.4988**		**49.0**	
	2	CHLa + DEPTH + (lon,lat)	226.5462	1.1	49.8	0.8
	0	Null	257.9674			
(g) Demersal/benthic fish & macrobenthos carnivores (Group 8)	1	BotTemp + (lon,lat)	447.4168		59.0	
	2	**BotTemp + seaHab + (lon,lat)**	**445.8757**	**1.5**	**61.6**	**2.6**
	3	BotTemp + seaHab + DEPTH + (lon,lat)	446.301	0.4	62.0	0.4
	0	Null	545.021			

N. terms, number of terms; AICc, Akaike's Information Criterion for small sample sizes; ΔAICc, difference in AICc from that of the previous best fitting N. term model; % dev., percent deviance explained by model; Δ % dev., difference in percent deviance explained from that of the previous best fitting N. term model.

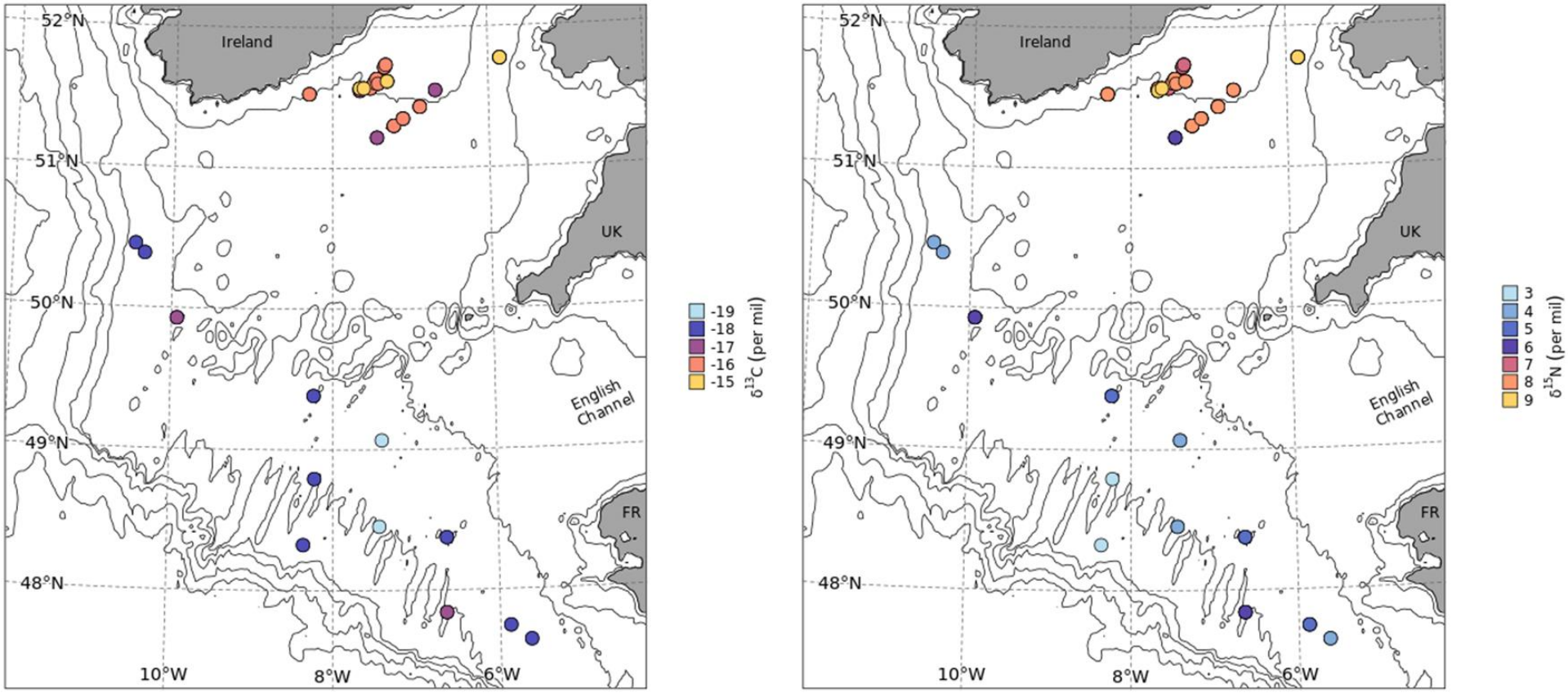

Figure S1. Mean $\delta^{13}C$ and $\delta^{15}N$ values of bivalve mollusc, the great scallop, *Pecten maximus*, by sampling location. Data pooled for 2014-2016.

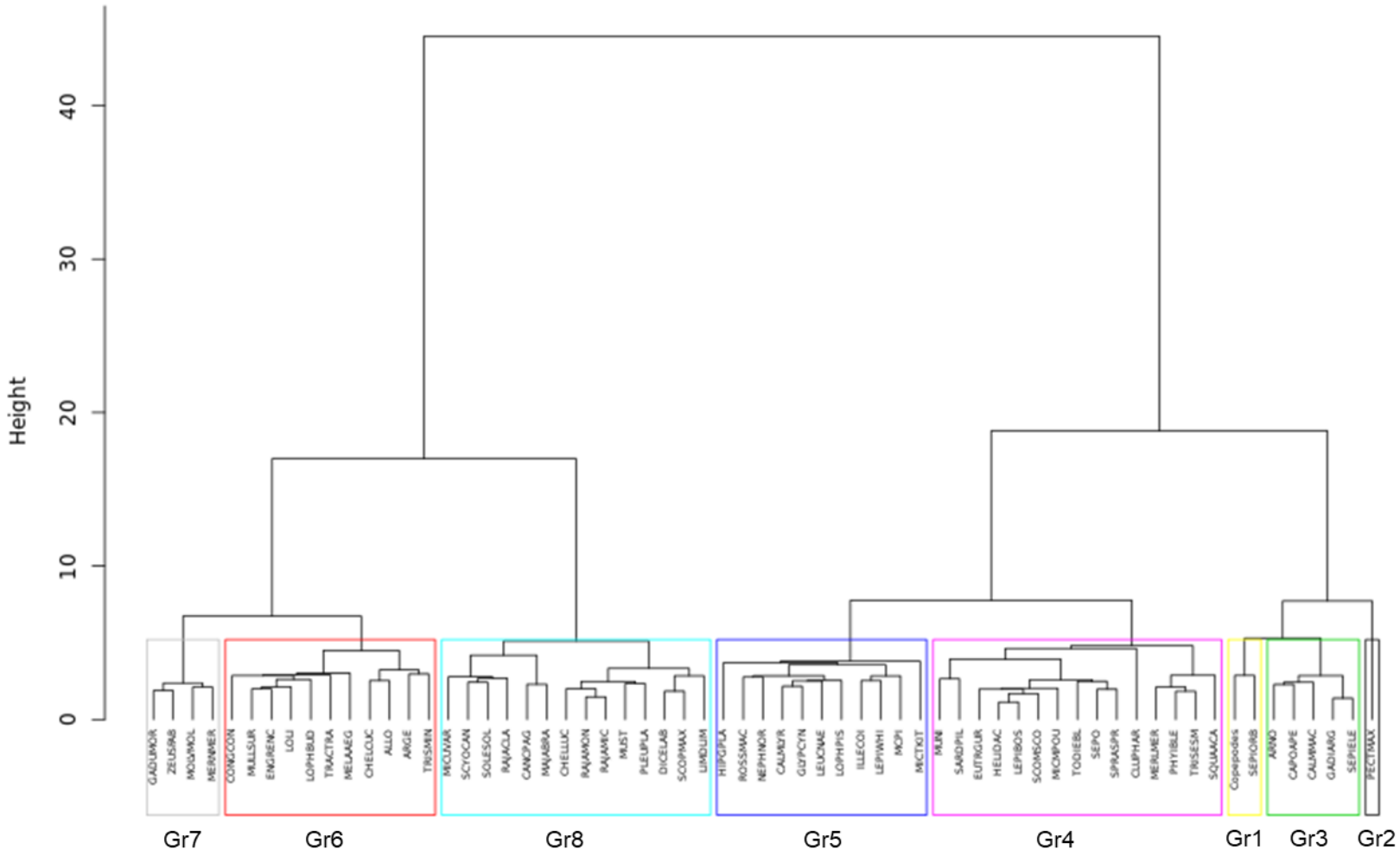

Figure S2. Dendrogram of hierarchical clustering (via Euclidean distances and the Ward method) coupled to bootstrapping used to identify distinct trophic groups (Gr1-8) of species according to their $\delta^{13}C$ and $\delta^{15}N$ values as presented in Table 1.