

Supplementary Material 2: Barents Sea Cod Diet Database Information

Data records: Each line in the data file represents a single prey item. The first columns (1-12) describe predator information. From column 13 (Prey) onwards, prey information is described for each prey item in said predator. If multiple prey items were found in the stomach of one predator, predator information (columns 1-12) are repeated for each individual prey. If a cod stomach was empty, “Empty” is detailed in the “Prey” column, and thus only predator information is available for those entries. Data columns 4 (Ship Code), 9 (Fish_Weight_kg), 10 (Age_y), 11 (Deg_Stomach_Fullness) and 12 (Sex) only relate to IMR-PINRO data (Norway and Russia). Columns 23 and 24 (No_of_Stomachs and Pooled) relate only to CEFAS (U.K) data, all other columns relate to both components (IMR-PINRO & CEFAS) of the dataset.

Table 1. Information for each data column.

Column No.	Column Name	Information	Units
1	Data_ID	Details whether the data is from either the IMR-PINRO joint database or CEFAS	-
2	Ser_No_Fish	Serial number for each individual fish	-
3	Country	Country code denoting either: 58: Norway (IMR-PINRO Database) U.K: CEFAS Data	-
4	Ship_kode	Ship identification code	-
5	Year		
6	Month		
7	Day		
8	Fish_Length_cm	Total length	cm
9	Fish_Weight_kg	Wet weight	kg
10	Age_y		Years
11	Deg_stomach_fullness	Degree of stomach fullness.	-
12	Sex	Sex codes: Not known: Blank Female: 1 Male: 2 Intersex, transitional animals: 3 Interracial: 4 Reference: Mjanger et al 2016.	-
13	Prey	Prey: denotes prey, Empty: represents empty stomachs	-
14	Prey_weight	Wet weight	g
15	Deg_digestion	Degree of digestion codes: Blank: Not observed 1: Digestion not started, the stomach content seems fresh 2: Digestion commenced 3: Digestion progressed; the species can no longer be identified. But one can separate systematic groups 4: Digestion far advanced, one can still find eyes and bigger pieces of prey in the stomach content 5: Digestion almost completed, the stomach content is porous. Reference: Mjanger et al 2016.	-

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16	No_Prey	No. of prey items found in each stomach	-
17	Prey_length_cm	Length of prey, directly converted using prey weight/prey size information. Reference: Mjanger et al 2016.	cm
18	Scientific Name		-
19	English Common Name		-
20	Prey_Category	Please see Supplementary Material 1 for details	-
21	Latitude_dd		Decimal degrees
22	Longitude_dd		Decimal degrees
23	Number.of.stomachs		-
24	Pooled	Record contains data for more than one stomach, with all contents data pooled.	-

References:

Mjanger, H., Hestenes, K., Svendsen, B.V., Senneset, H., and Fotland, Å. 2016. Håndbok for prøvetaking av fisk og krepsdyr. Versjon 4.0 (SPD). Pp 1-193. In Norwegian.