

Supplementary Table 1. Sampling details for all European anchovy individuals including sampling location, geographical coordinates and sampling date for each individual.

Individual	Fleet	Date	Lat	Lon	Location
A2010DK	Denmark	31/08/2021	54.24	6.12	North Sea, German Bight
A2017DK	Denmark	02/09/2021	53.16	3.76	North Sea, Dogger Bank
A2022DK	Denmark	03/09/2021	52.34	2.74	North Sea, Dogger Bank
A2030DK	Denmark	11/09/2021	54.42	7.11	North Sea, German Bight
A2039DK	Denmark	11/09/2021	54.37	7.14	North Sea, German Bight
A2041DK	Denmark	11/09/2021	56.71	7.05	North Sea, Denmark West Coast
A2044DK	Denmark	27/06/2021	56.01	7.98	North Sea, Denmark West Coast
A2045DK	Denmark	27/06/2021	56.01	7.98	North Sea, Denmark West Coast
A2057DK	Denmark	08/02/2022	55.56	0.81	North Sea, Dogger Bank
A2060DK	Denmark	09/02/2022	54.91	4.13	North Sea, Dogger Bank
A2062PT	Portugal	15/03/2021	39.59	-9.26	Silver Coast, Central Portugal
A2072PT	Portugal	15/03/2021	39.59	-9.26	Silver Coast, Central Portugal
A2078PT	Portugal	15/03/2021	39.59	-9.26	Silver Coast, Central Portugal
A2087PT	Portugal	18/03/2021	40.79	-9.06	Silver Coast, Central Portugal
A2101PT	Portugal	18/03/2021	40.79	-9.06	Silver Coast, Central Portugal
A2123PT	Portugal	04/03/2021	36.63	-6.58	Gulf of Cadis
A2135PT	Portugal	07/03/2021	37.02	-7.57	Gulf of Cadis
A2149PT	Portugal	07/03/2021	37.02	-7.57	Gulf of Cadis
A2157PT	Portugal	07/03/2021	37.02	-7.57	Gulf of Cadis
A2178PT	Portugal	13/03/2021	38.57	-9.25	Lisbon Coast, Central Portugal
A2213SW	Sweden	26/08/2021	56.59	11.82	Kattegat
A2218SW	Sweden	26/08/2021	56.26	10.97	Kattegat
A2222SW	Sweden	27/08/2021	56.40	12.26	Kattegat
A2224SW	Sweden	27/08/2021	56.40	12.26	Kattegat
A2231SW	Sweden	27/08/2021	56.35	11.96	Kattegat
A2238SW	Sweden	03/09/2021	56.90	12.27	Kattegat
A2241SW	Sweden	03/09/2021	57.01	12.21	Kattegat
A2245SW	Sweden	03/09/2021	57.01	12.21	Kattegat
A2250SW	Sweden	03/09/2021	57.01	12.21	Kattegat
A2252SW	Sweden	04/09/2021	57.59	11.00	Kattegat
A2261IR	Ireland	29/11/2021	51.29	-7.21	Celtic Sea, Ireland South
A2271IR	Ireland	29/11/2021	51.58	-7.52	Celtic Sea, Ireland South
A2275IR	Ireland	30/11/2021	51.18	-7.41	Celtic Sea, Ireland South
A2285IR	Ireland	04/12/2021	51.64	-8.26	Celtic Sea, Ireland South
A2290IR	Ireland	04/12/2021	51.42	-9.41	Celtic Sea, Ireland South
A2296IR	Ireland	09/12/2021	51.06	-5.78	Celtic Sea, Ireland South-East
A2302IR	Ireland	10/12/2021	51.21	-6.60	Celtic Sea, Ireland South-East
A2308IR	Ireland	10/12/2021	51.37	-6.67	Celtic Sea, Ireland South-East
A2319IR	Ireland	11/12/2021	51.42	-5.27	Celtic Sea, Ireland South-East
A2328IR	Ireland	11/12/2021	51.34	-5.81	Celtic Sea, Ireland South-East