

**Table S1.** Farmed species sampled. Sampling data, location, and number of positives at the gastrointestinal tract are indicated.

Species	Sampling data	Location	Number of individuals	Enterocytozoonidae positives	<i>E. hellem/E. intestinalis</i> positives
European sea bass ( <i>Dicentrarchus labrax</i> )	14/07/2020	Farm 4	12	2	1
	24/07/2020	Farm 2	14	1	1
	15/09/2020	Farm 1	14	0	0
	21/10/2020	Farm 2	10	0	0
	05/05/2021	Farm 1	10	0	0
	12/05/2021	Farm 3	9	0	0
	21/07/2021	Farm 3	10	0	0
			<b>79</b>	<b>3</b>	<b>2</b>
Gilthead seabream ( <i>Sparus aurata</i> )	09/09/2020	Farm 4	14	0	0
	15/10/2020	Farm 4	14	1	0
	07/10/2021	Farm 1	8	0	0
			<b>36</b>	<b>1</b>	<b>0</b>
Meagre ( <i>Argyrosomus regius</i> )	29/09/2020	Farm 2	12	0	0
	07/10/2020	Farm 3	11	0	0
			<b>23</b>	<b>0</b>	<b>0</b>
Total cultivated fish			<b>138</b>	<b>4</b>	<b>2</b>

**Table S2.** Wild species sampled. Sampling data, location, and number of positives at the gastrointestinal tract are indicated.

Species	Sampling data	Location	Number of individuals	Enterocytozoonidae positives	<i>E. hellem/E. intestinalis</i> positives
Argentine ( <i>Argentina sphyraena</i> )	02/06/2021	Fish market 4	1	0	0
Meagre ( <i>Argyrosomus regius</i> )	02/06/2021	Fish market 4	1	0	0
Imperial scaldfish ( <i>Arnoglossus imperialis</i> )	02/06/2021	Fish market 4	1	0	0
Bogue ( <i>Boops boops</i> )	15/03/2021	Fish market 2	3	0	0
Red gurnard ( <i>Chelidonichthys cuculus</i> )	29/06/2021	Fish market 3	1	0	0
Spotted flounder ( <i>Citharus linguatula</i> )	30/03/2021	Fish market 3	1	0	0
	02/06/2021	Fish market 4	1	0	0
	29/06/2021	Fish market 3	3	0	0
European conger ( <i>Conger conger</i> )	09/03/2021	Fish market 4	2	0	0
Annular seabream ( <i>Diplodus annularis</i> )	15/03/2021	Fish market 2	2	1	1
Common two-banded seabream ( <i>Diplodus vulgaris</i> )	02/06/2021	Fish market 4	1	0	0
Blackbelly rosefish ( <i>Helicolenus dactylopterus</i> )	02/06/2021	Fish market 4	1	1	0
Brown wrasse ( <i>Labrus merula</i> )	02/06/2021	Fish market 4	1	0	0
Large-scaled gurnard ( <i>Lepidotrigla cavillone</i> )	02/06/2021	Fish market 4	1	1	0
Blackbellied angler ( <i>Lophius budegassa</i> )	02/06/2021	Fish market 4	1	0	0
	29/06/2021	Fish market 3	1	0	0
European hake ( <i>Merluccius merluccius</i> )	09/03/2021	Fish market 4	3	0	0
	15/03/2021	Fish market 2	2	2	0
	02/06/2021	Fish market 4	1	0	0
	29/06/2021	Fish market 3	5	1	0
Blue whiting ( <i>Micromessistius poutassou</i> )	09/03/2021	Fish market 4	2	0	0
	30/03/2021	Fish market 3	2	1	0

	02/06/2021	Fish market 4	1	1	0
<b>Red mullet (<i>Mullus barbatus</i>)</b>	09/03/2021	Fish market 4	1	0	0
	15/03/2021	Fish market 2	1	0	1
	30/03/2021	Fish market 3	3	0	0
	02/06/2021	Fish market 4	1	0	0
	29/06/2021	Fish market 3	3	0	0
<b>Surmullet (<i>Mullus surmuletus</i>)</b>	09/03/2021	Fish market 4	2	0	1
	30/03/2021	Fish market 3	1	1	0
<b>Axillary seabream (<i>Pagellus acarne</i>)</b>	15/03/2021	Fish market 2	1	0	1
<b>Common pandora (<i>Pagellus erytrinus</i>)</b>	15/03/2021	Fish market 2	4	0	1
	30/03/2021	Fish market 3	1	0	0
	02/06/2021	Fish market 4	1	0	1
<b>African armoured searobin (<i>Peristedion cataphractum</i>)</b>	09/03/2021	Fish market 4	1	0	0
<b>Greater forkbeard (<i>Phycis blennoides</i>)</b>	09/03/2021	Fish market 4	3	0	0
	30/03/2021	Fish market 3	4	0	0
	02/06/2021	Fish market 4	1	1	0
<b>Forkbeard (<i>Phycis phycis</i>)</b>	02/06/2021	Fish market 4	1	0	0
<b>Salema (<i>Sarpa salpa</i>)</b>	02/06/2021	Fish market 4	1	0	0
<b>Atlantic mackerel (<i>Scomber scombrus</i>)</b>	09/03/2021	Fish market 4	2	0	0
	15/03/2021	Fish market 2	1	0	0
	14/06/2021	Fish market 1	19	8	0
<b>Lesser spotted dogfish (<i>Scyliorhinus canicula</i>)</b>	09/03/2021	Fish market 3	3	0	0
<b>Comber (<i>Serranus cabrilla</i>)</b>	09/03/2021	Fish market 4	1	1	0
<b>Brown comber (<i>Serranus hepatus</i>)</b>	09/03/2021	Fish market 4	1	0	1
	30/30/2021	Fish market 3	1	0	0
<b>Greater weever (<i>Trachinus draco</i>)</b>	30/03/2021	Fish market 3	1	0	0
<b>Mediterranean horse mackerel (<i>Trachurus mediterraneus</i>)</b>	15/03/2021	Fish market 2	2	1	0
	02/06/2021	Fish market 4	1	0	1
<b>Pouting (<i>Trisopterus luscus</i>)</b>	09/03/2021	Fish market 4	1	0	0
	15/03/2021	Fish market 2	2	0	0
	30/03/2021	Fish market 3	6	0	0
	02/06/2021	Fish market 4	1	0	0
	29/06/2021	Fish market 3	2	0	0
<b>Stargazer (<i>Uranoscopus scaber</i>)</b>	02/06/2021	Fish market 4	1	0	0
<b>Total fish from fish markets</b>			<b>113</b>	<b>20</b>	<b>8</b>