The following supplement accompanies the article

Sex and age-biased mortality of three shearwater species in longline fisheries of the Mediterranean

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Photographs of different gonadal development stages of males and females in shearwaters (Photographs Figs. S1, S2, S3, S4, S5, S7, S8 taken by Salvador García-Barcelona and Fig. S6 by Teresa Militão)

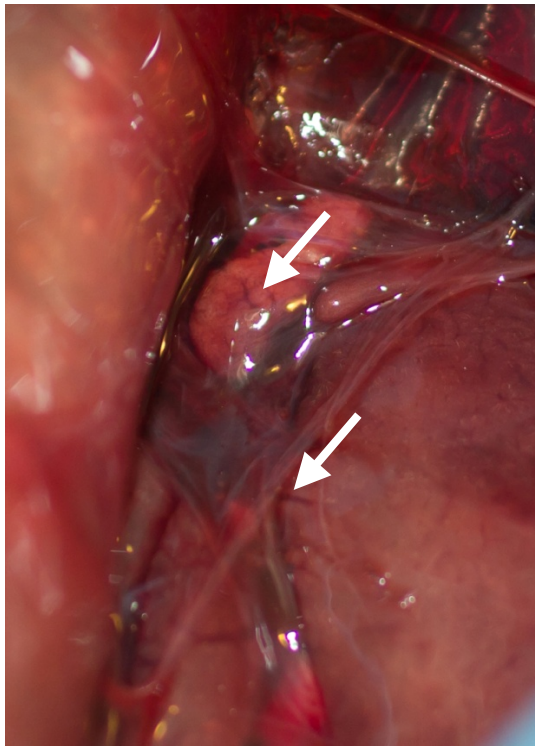

Fig. S1. Ovarium and oviduct of the juvenile female Mediterranean shearwater

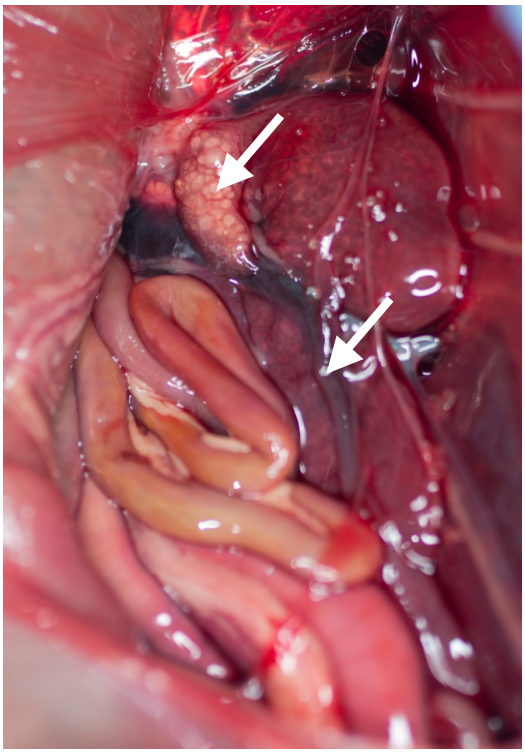

Fig. S2. Ovarium and oviduct of the immature female Balearic shearwater

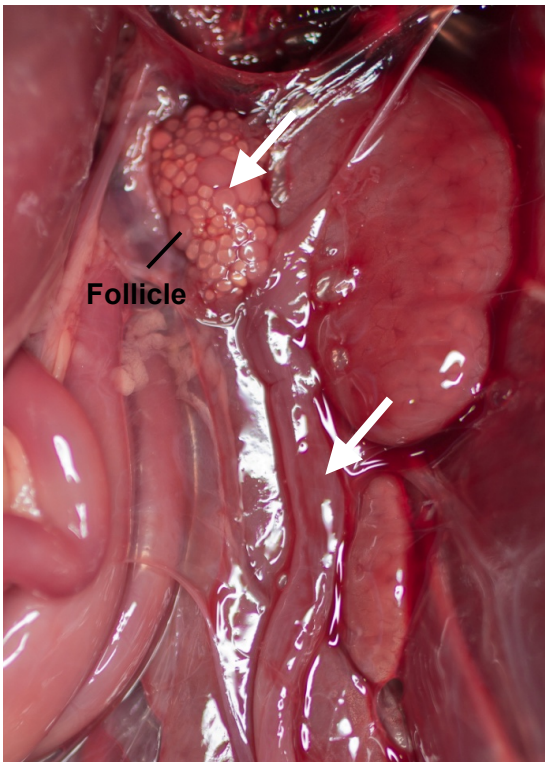

Fig. S3. Ovarium and oviduct of the subadult female Balearic shearwater

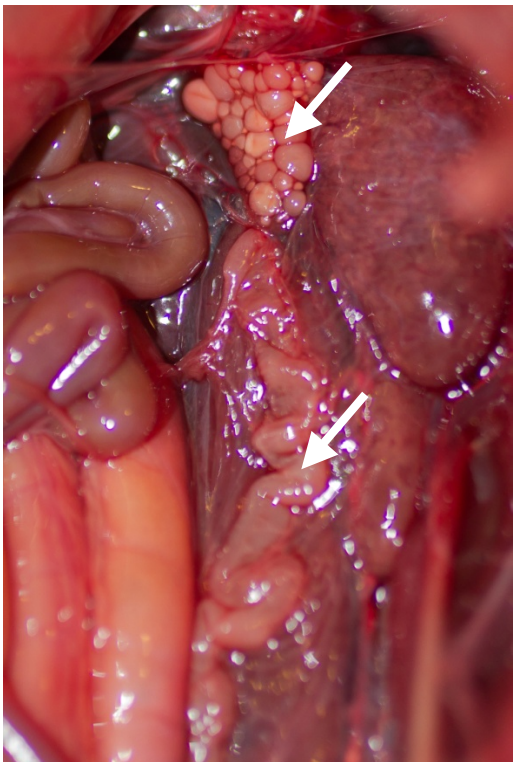

Fig. S4. Ovarium and oviduct of adult breeding female Balearic shearwater

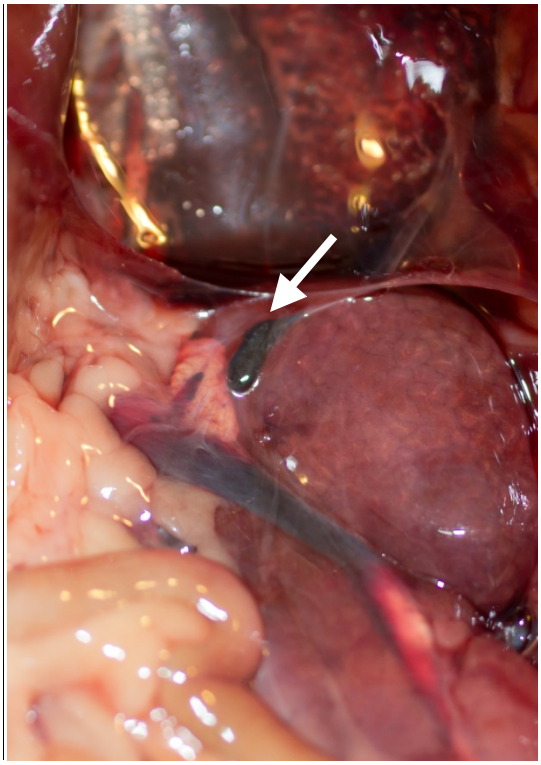

Fig. S5. Testicle of the juvenile male Balearic shearwater

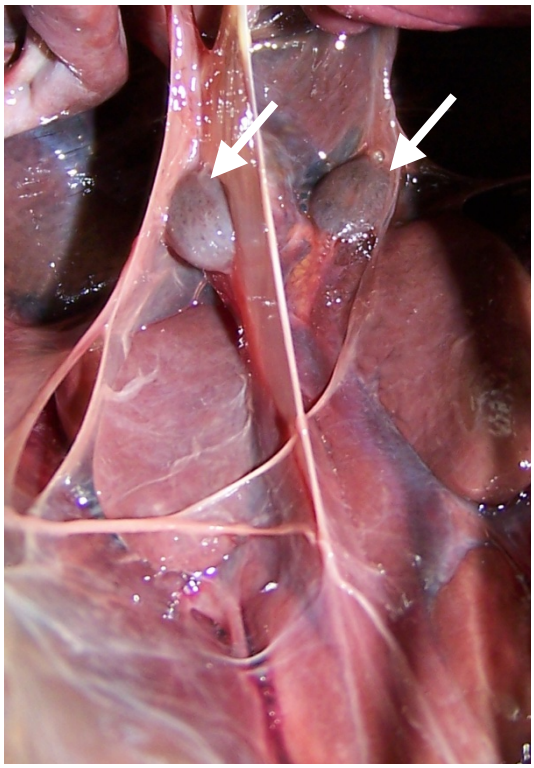

Fig. S6. Testes of the immature male Mediterranean shearwater

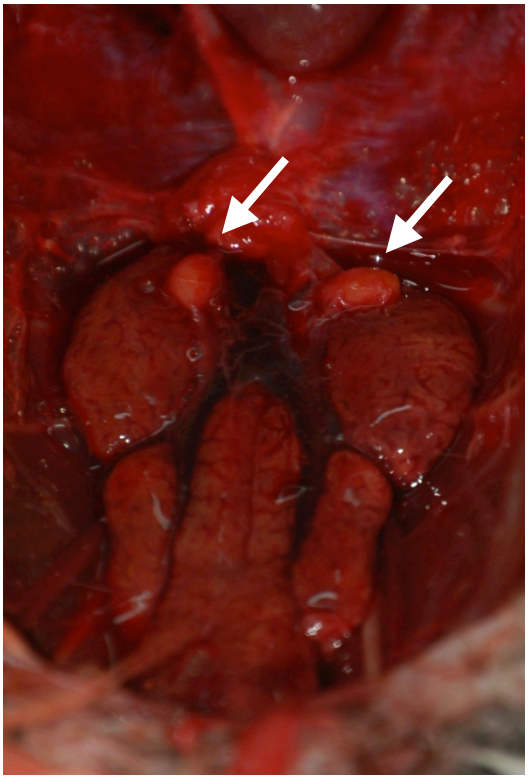

Fig. S7. Testes of the subadult male Scopoli's shearwater

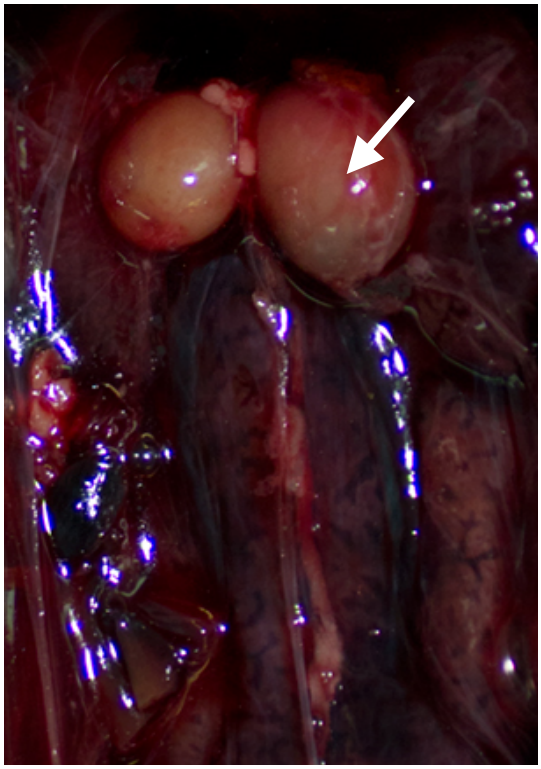

Fig. S8. Testes of adult breeding male Scopoli's shearwater

Table S1. Description of the banded shearwaters incidentally killed by demersal (medium "MD" and small-scale vessels "SM") and pelagic vessels ("MS") operating in the north-western Mediterranean from 2003 to 2015. The species considered are Balearic (BS), Mediterranean (MS) and Scopoli's shearwater (SS). Death location refers to the area were the bird was incidentally caught: central-southern Catalonia (C-S CAT), northern Catalonia (N CAT), Balearic Islands (BAL) and Gulf of Lion (GL). The age (years) was determined by the first banding date and the number of years obtained is indicated between brackets. The values with an asterisk denote the minimum age, which corresponds to birds banded when they were more than 1 year old. We considered the first reproduction at age of 6 years old (Oro et al. 2004, Jenouvrier et al. 2008). Locations in **bold** correspond to those breeding colonies placed outside of our study area.

Species	Ring	Longline fleet	Death location	Period	Death date	Age	Sex	Colony of origin
SS	5042990	MD	C-S CAT	Chick-rearing	19/05/2003	6	Female	La Trapa, Majorca, Balearic Is.
SS	5048273	MD	C-S CAT	Chick-rearing	08/05/2007	9	Unknown	Illa Conillera, Majorca, Balearic Is.
SS	5070034	MD	C-S CAT	Chick-rearing	10/06/2007	6*	Female	La Mola, Menorca, Balearic Is.
SS	FX.17930	SD	N CAT	Chick-rearing	20/05/2014	7*	Unknown	**Île de Porquerolles. Îles d'Hyères**
SS	6025384	MP	BAL	Migration	01/2001	5*	Unknown	Ses Bledes, Cabrera, Majorca
SS	EA544094	MP	BAL	Prelaying	04/2003	8	Unknown	**Isola di Lavezzi, Corsica**
SS	6129323	MP	BAL	Prelaying	04/2003	1*	Unknown	Illa Pantaleu, Majorca, Balearic Is.
SS	6031148	MP	BAL	Prelaying	04/2003	15*	Unknown	Illa Pantaleu, Majorca, Balearic Is.
SS	6073239	MP	BAL	Prelaying	04/2003	9	Unknown	Na Plana, Cabrera, Majorca
SS	6098921	MP	BAL	Prelaying	04/2003	5*	Unknown	Illa Pantaleu, Majorca, Balearic Is.
SS	6076680	MP	BAL	Prelaying	04/2003	13*	Unknown	Na Plana, Cabrera, Majorca
SS	6123033	MP	BAL	Prelaying	03/2004	3*	Unknown	Illa Pantaleu, Majorca, Balearic Is.
SS	6111155	MP	BAL	Migration	01/2004	5*	Unknown	Illa Pantaleu, Majorca, Balearic Is.
SS	6082394	MP	BAL	Prelaying	16/03/2009	9*	Unknown	Na Pobra, Majorca, Balearic Is.
SS	6096005	MP	BAL	Prelaying	05/042012	16*	Unknown	Na Plana, Cabrera, Majorca
SS	6025995	MP	BAL	Prelaying	05/04/2012	16	Unknown	Na Pobra, Majorca, Balearic Is.
SS	6082469	MP	BAL	Prelaying	06/04/2012	13	Unknown	Na Plana, Cabrera, Majorca

Species	Ring	Longline fleet	Death location	Period	Death date	Age	Sex	Colony of origin
SS	6129380	MP	BAL	Prelaying	05/04/2012	10*	Unknown	Na Plana, Cabrera, Majorca
SS	6129378	MP	BAL	Prelaying	06/04/2012	11	Unknown	Islote Xapat, Cabrera, Majorca
SS	6073967	MP	BAL	Prelaying	02/042012	17	Unknown	Ciutadella, Menorca, Balearic Is.
SS	EA544661	MP	BAL	Migration	22/10/2013	12	Unknown	**Isola di Lavezzi, Corsica**
SS	6131160	MD	C-S CAT	Prelaying	03/05/2007	5	Male	Illa Pantaleu, Majorca, Balearic Is.
SS	5091321	MD	C-S CAT	Chick-rearing	23/09/2007	<1*	Female	Illa de l'aire, Menorca, Balearic Is.
SS	6026628	MD	C-S CAT	Prelaying	28/05/2008	13	Female	Na Pobra, Majorca, Balearic Is.
SS	582520	MD	GL	Unknown	Early 2000s	Unknown	Male	**Isola di Lavezzi, Corsica**
SS	579507	MD	GL	Unknown	Early 2000s	7*	Female	**Isola di Lavezzi, Corsica**
SS	578513	MD	GL	Unknown	Early 2000s	15*	Unknown	**Isola di Lavezzi, Corsica**
SS	575273	MD	GL	Unknown	Early 2000s	8*	Unknown	**Île Pomègues, Marsella**
SS	TA7001	MD	GL	Migration	05/10/2004	6*	Female	**Isola di Foradada, Sardinia**
SS	TA6945	SD	GL	Incubation	08/06/2006	8*	Male	**La Maddalena, Sardinia**
SS	6037615	SD	GL	Incubation	06/06/2006	3	Male	Ciutadella, Menorca, Balearic Is.
SS	EA578819	MD	N CAT	Incubation	04/07/2004	Unknown	Unknown	**France**
SS	TJ9216	MD	N CAT	Migration	09/2014	Unknown	Unknown	**Isola Pianosa, Livorno**
SS	EA679711	MD	N CAT	Migration	09/2014	Unknown	Unknown	**France**