

Table SI Frequency of occurrence (FO%) of prey items in pellets of Caspian Tern (*Hydroprogne caspia*) and Royal Tern (*Thalasseus maximus*) by prey domain, family species (or lowest taxonomic level identified) and site. Samples collected from 2013 to 2015 in Guinea-Bissau and Guinea. Sample sizes (*N*) represent the total number of pellets analysed.

n.i. - not identified

Domain	Family	Species	Caspian Tern		Royal Tern		
			Bijagós 2013	Bijagós 2014	Bijagós	Djeta	Naufrage
			FO%	FO%	FO%	FO%	FO%
			(N=52)	(N=100)	(N=73)	(N=18)	(N=50)
Pelagic	FISH						
			78.8	81.0	97.3	88.9	90.0
	Carangidae		5.8	1.0	4.1	0.0	2.0
		<i>Hemicaranx bicolor</i> §	1.9	0.0	1.4	0.0	0.0
		Carangidae n.i. ¥	0.0	1.0	2.7	0.0	2.0
	Clupeidae		75.0	71.0	86.3	5.6	67.4
		<i>Sardinella</i> n.i. ¥	67.3	26.0	67.1	5.6	46.0
		<i>Sardinella aurita</i> ¥	0.0	5.0	0.0	0.0	4.0
		<i>Sardinella maderensis</i> ¥	7.7	34.0	17.8	0.0	16.0
		<i>Ethmalosa fimbriata</i> ¥	0.0	5.0	0.0	0.0	0.0
		Clupeidae n.i. ¥	0.0	2.0	1.4	0.0	0.0
	Hemiramphidae	Hemiramphidae n.i. ¥	0.0	9.0	4.1		
	Pristigasteridae	<i>Ilisha africana</i> ¥	5.8	12.0	16.4	83.3	38.0
	Scombridae		1.9	0.0	2.7	0.0	0.0
		<i>Scomberomorus tritor</i> ¥	1.9	0.0	0.0	0.0	0.0
		<i>Scomber colias</i> ¥	0.0	0.0	2.7	0.0	0.0
	Benthopelagic			36.5	41.0	21.9	27.8
Ariidae		<i>Carlarius</i> n.i. §	0.0	0.0	0.0	5.6	0.0
Gerreidae			3.8	9.0	0.0	0.0	2.0
		<i>Eucinostomus melanopterus</i> ¥	0.0	3.0	0.0	0.0	2.0
		<i>Gerres nigri</i> ¥	1.9	4.0	0.0	0.0	0.0
		Gerreidae n.i. ¥	1.9	2.0	0.0	0.0	0.0
Haemulidae			17.3	3.0	8.2	5.6	2.0
		<i>Pomadasys</i> n.i. ¥	1.9	1.0	1.4	5.6	0.0
		Haemulidae n.i. ¥	15.4	2.0	6.8	0.0	2.0
Mugilidae			1.9	13.0	0.0	0.0	0.0
		<i>Liza</i> n.i. ¥	0.0	1.0	0.0	0.0	0.0
		Mugilidae n.i. ¥	1.9	12.0	0.0	0.0	0.0
Polynemidae		<i>Galeoides decadactylus</i> ¥	11.5	14.0	8.2	5.6	18.0
Sciaenidae			1.9	6.0	5.5	16.7	8.0

Benthic		<i>Pseudolithus elongatus</i> §	0.0	3.0	2.7	11.1	0.0
		<i>Pseudolithus typus</i> §	0.0	0.0	0.0	5.6	0.0
		Pseudolithus n.i. §	1.9	0.0	0.0	0.0	4.0
		<i>Pteroscion peli</i> §	0.0	1.0	2.7	0.0	4.0
		Sciaenidae n.i. §	0.0	2.0	0.0	0.0	0.0
	Serranidae	<i>Epinephelus</i> n.i. §	1.9	0.0	0.0	0.0	0.0
Benthic	Paralichthyidae	<i>Citharichthys stampflii</i> §	0.0	0.0	1.4	5.6	0.0
	Unidentified fish		11.5	5.0	2.7	5.6	0.0
CRUSTACEAN							
	Decapoda	Crab n.i.	1.9	0.0	0.0	0.0	2.0

Table SII Numerical frequency (N%) of prey items in pellets of Caspian Tern (*Hydroprogne caspia*) and Royal Tern (*Thalasseus maximus*) by prey domain, family species (or lowest taxonomic level identified) and site. Samples collected from 2013 to 2015 in Guinea-Bissau and Guinea. Sample sizes (N) represent the total number of prey individuals analysed. n.i. - not identified. Prey are categorized as schooling (¥) or solitary (§).

Domain	Family	Species	Caspian Tern		Royal Tern		
			Bijagós 2013	Bijagós 2014	Bijagós	Djeta	Naufrage
			N%	N%	N%	N%	N%
			(N=88)	(N=169)	(N=126)	(N=24)	(N=91)
	FISH						
Pelagic			65.9	68.0	84.1	66.7	82.4
	Carangidae		3.4	0.6	2.4	0.0	1.1
		<i>Hemicaranx bicolor</i> §	1.1	0.0	0.8	0.0	0.0
		Carangidae n.i. ¥	2.3	0.6	1.6	0.0	1.1
	Clupeidae		58.0	53.3	65.9	4.2	59.3
		<i>Sardinella</i> n.i. ¥	52.3	18.9	50.8	4.2	39.6
		<i>Sardinella aurita</i> ¥	0.0	3.6	0.0	0.0	4.4
		<i>Sardinella maderensis</i> ¥	5.7	26.6	14.3	0.0	15.4
		<i>Ethmalosa fimbriata</i> ¥	0.0	3.0	0.0	0.0	0.0
		Clupeidae n.i. ¥	0.0	1.2	0.8	0.0	0.0
	Hemiramphidae	Hemiramphidae n.i. ¥	0.0	5.3	2.4	0.0	0.0
	Pristigasteridae	<i>Ilisha africana</i> ¥	3.4	8.9	11.9	62.5	22.0
	Scombridae		1.1	0.0	1.6	0.0	0.0
		<i>Scomberomorus tritor</i> ¥	1.1	0.0	0.0	0.0	0.0
		<i>Scomber colias</i> ¥	0.0	0.0	1.6	0.0	0.0
Benthopelagic			26.1	29.0	57.1	25.0	16.5
	Ariidae	<i>Carlarius</i> n.i. §	0.0	0.0	0.0	0.0	0.0
	Gerreidae		2.3	5.3	0.0	0.0	1.1
		<i>Eucinostomus melanopterus</i> ¥	0.0	1.8	0.0	0.0	1.1
		<i>Gerres nigri</i> ¥	1.1	2.4	0.0	0.0	0.0
		Gerreidae n.i. ¥	1.1	1.2	0.0	0.0	0.0
	Haemulidae		11.4	2.4	4.8	4.2	1.1
		<i>Pomadasys</i> n.i. ¥	1.1	1.2	0.8	4.2	0.0
		Haemulidae n.i. ¥	10.2	1.2	4.0	0.0	1.1
	Mugilidae		2.3	8.9	0.0	0.0	0.0
		<i>Liza</i> n.i. ¥	0.0	0.6	0.0	0.0	0.0
		Mugilidae n.i. ¥	2.3	8.3	0.0	0.0	0.0
	Polynemidae	<i>Galeoides decadactylus</i> ¥	8.0	8.9	5.6	4.2	9.9
	Sciaenidae		1.1	3.6	3.2	12.5	4.4
		<i>Pseudolithus elongatus</i> §	0.0	1.8	1.6	8.3	0.0

		<i>Pseudolithus typus</i> §	0.0	0.0	0.0	4.2	0.0
		Pseudolithus n.i. §	1.1	0.0	0.0	0.0	2.2
		<i>Pteroscion peli</i> §	0.0	0.6	1.6	0.0	2.2
		Sciaenidae n.i. §	0.0	1.2	0.0	0.0	0.0
	Serranidae	Epinephelus n.i. §	1.1	0.0	0.0	0.0	0.0
Benthic	Paralichthyidae	<i>Citharichthys stampflii</i> §	0.0	0.0	0.8	4.2	0.0
	Unidentified fish		6.8	3.0	1.6	4.2	0.0
	CRUSTACEAN						
	Decapoda	Crab n.i.	1.1	0.0	0.0	0.0	1.1

Table SIII Frequency of occurrence (FO%) and numerical frequency (N%) of prey items in pellets of Caspian Tern (*Hydroprogne caspia*) and Royal Tern (*Thalasseus maximus*) by prey domain, family species (or lowest taxonomic level identified) using only otoliths in prey identification. Samples collected from 2013 to 2015 in Guinea-Bissau and Guinea. Sample sizes (N) represent the total number of pellets analysed (in FO%) and total number of prey individuals analysed (on N%). n.i. - not identified. Prey are categorized as schooling (¥) or solitary (§)

Domain	Family	Species	Caspian Tern		Royal Tern	
			FO% (N=152)	N% (N=257)	FO% (N=141)	N% (N=241)
Pelagic			1.3	1.2	11.3	7.1
	Clupeidae	Clupeidae n.i. ¥	0	0	2.8	1.7
	Pristigasteridae	<i>Ilisha africana</i>	1.3	1.2	9.2	5.4
Benthopelagic			17.8	11.7	16.3	10
	Ariidae	<i>Carlarius</i> n.i. ¥	0	0	0.7	0.4
	Gerreidae		1.3		0.7	
		<i>Eucinostomus melanopterus</i> ¥	0.7	0.4	0.7	0.4
		<i>Gerres nigri</i> ¥	0.7	0.4	0	0
	Haemulidae	<i>Pomadasys</i> n.i. ¥	0.7	0.8	0	0
		Haemulidae n.i. ¥	5.9	3.9	4.3	2.5
	Mugilidae	<i>Liza</i> n.i. ¥	1.3	0.8	0	0
	Polynemidae	<i>Galeoides decadactylus</i> ¥	4.6	2.7	4.3	2.5
	Sciaenidae		4.6	2.7	7.1	4.1
		<i>Pseudotolithus elongates</i> §	2	1.2	2.1	1.2
		<i>Pseudotolithus</i> n.i. §	0.7	0.4	1.4	0.8
		<i>Pseudotolithus typus</i> §	0	0	0.7	0.4
		<i>Pteroscion peli</i> §	0.7	0.4	2.8	1.7
		Sciaenidae n.i. §	1.3	0.8	0	0
	Unidentified fish		92.8	86.8	88.7	83