

Supplementary Table 1. Monthly description for age and mortality sampling sets of *Trachurus picturatus* from Portuguese continental coast. n – number of individuals; TLmean - mean total length; n_{boats} – number of boats.

	Age Sampling		Mortality Sampling		
	n	TL _{mean}	n	TL _{mean}	n _{boats}
Apr18			101	35.8	5
May18			144	37.6	11
Jun18			132	36.0	7
Aug18			84	39.0	6
Sep18	40	37.6	131	34.6	6
Oct18	26	35.8	55	35.9	5
Nov18	60	30.7	64	39.9	5
Dec18	18	40.9	33	34.1	1
Jan19	80	32.9	229	32.7	9
Fev19	81	26.0	112	32.3	6
Mar19	84	32.5	120	35.0	5
Apr19	31	27.2	6	44.1	2
May19	61	32.3	123	36.4	5
Jun19	49	30.1			
Jul19	23	39.1			
Aug19	35	31.6	133	37.5	7

Supplementary Table 2. Direct readings age–length key for *Trachurus picturatus* from Portuguese continental coast. n = number of individuals; SD = standard deviation

Length (cm)	Age (years)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
21	1														
22	2														
23		2	3	5											
24		5	14	14	1										
25		1	14	20	4										
26		1	15	30	15	1									
27			4	14	22	5									
28				6	27	10									
29				4	8	10	3								
30					1	10	4								
31					1	8	5	3							
32					1	9	16	4	2						
33						1	13	13	2						
34						1	12	26	2						
35							9	17	2						
36						1	5	17	5	1					
37								6	12	3					
38							1	6	14	6	2				
39									6	10	1				
40										2	5	2			
41										5	8	3			
42											6	1	1		
43											6	7	1		
44										1	2	2			
45												1			1
46												1			
n	3	9	50	93	80	56	68	92	45	29	30	17	2	0	1
Mean	21.9	24.4	25.5	26.2	27.8	30.2	33.5	35.2	37.2	39.5	41.6	42.9	43		45.9
SD	0.79	0.79	1.04	1.38	1.40	1.91	1.89	1.68	1.82	1.81	1.52	1.70	0.14		0

Supplementary Table 3. Back-calculated mean total length (cm) of *Trachurus picturatus* from Portuguese continental coast. n = number of individuals; n_a = number of measures for each annulus; SD = standard deviation.

Age Class	n	Annulus													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	3	18.47													
2	13	16.32	22.50												
3	36	16.19	21.05	24.95											
4	44	15.00	19.35	23.12	26.06										
5	24	15.99	20.35	23.54	26.11	28.15									
6	33	16.25	20.65	23.96	26.53	28.42	29.98								
7	34	16.26	20.89	24.57	27.40	29.68	31.59	33.14							
8	53	16.68	21.28	24.83	27.73	29.90	31.78	33.45	34.67						
9	53	17.44	21.94	25.48	28.48	31.00	32.76	34.26	35.54	36.59					
10	33	18.01	22.68	26.25	29.21	31.60	33.56	35.15	36.55	37.65	38.59				
11	28	18.33	22.86	26.55	29.52	31.98	34.13	35.91	37.41	38.64	39.86	40.84			
12	14	18.00	22.42	25.96	28.77	31.30	33.50	35.39	36.92	38.22	39.52	40.63	41.56		
13	7	15.32	19.80	23.58	26.82	29.68	32.28	34.41	36.15	37.81	39.04	40.14	41.09	41.91	
14	1	18.36	22.87	25.84	28.49	30.74	32.26	34.01	35.68	36.95	38.17	39.69	40.88	42.01	42.90
n_a		367	373	360	324	280	256	223	190	137	84	51	23	9	1
Mean		16.70	21.28	24.83	27.69	30.24	32.32	34.31	35.87	37.50	39.20	40.64	41.36	41.93	42.90
SD		2.16	2.34	2.50	2.64	2.60	2.55	2.35	2.34	2.23	2.24	2.06	1.62	1.77	0