

Sharks do not always grow slowly: tagging data reveals a different pattern of growth, longevity and maturity for threatened smooth-hounds in the central Mediterranean Sea

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Table S1. Tagged individuals of *M. mustelus* since 2007 in the South of Sicily. Samples are sorted by time at liberty; information includes: tag codes; released and recapture dates; total length, and sex. The bold rows indicate individuals recaptured twice.

Tag code (#)	Sex	Tagging date	Length (cm) at tagging	Recapture date	Length (cm) at recapture	Time at liberty (days)	Growth (cm)
#71	M	6 June 2007	57	19 September 2007	61	105	5
#84	M	29 June 2007	70	26 February 2010	106	973	36
#85	M	29 June 2007	74	30 October 2009	115	854	41
#119	F	25 July 2007	67	19 September 2007	69	56	2
#123	M	30 July 2007	79	20 February 2008	84	205	5
#151	M	18 September 2007	77	2 October 2007	78	14	1
#153	M	15 September 2007	75	24 October 2007	77	39	2
#161	M	15 September 2007	58	12 September 2008	73	363	15
#161	M	15 September 2007	58	14 April 2008	66	212	8
#161	M	14 April 2008	66	12 September 2008	73	151	7
#162	M	15 September 2007	55	18 June 2010	100	1007	45
#162	M	15 September 2007	55	25 September 2008	72	376	17
#162	M	25 September 2008	72	18 June 2010	100	631	28
#163	M	15 September 2007	80	24 July 2010	105	678	25
#167	M	15 September 2007	82	18 June 2010	125	1007	43
#176	F	23 September 2007	95	29 March 2008	102	188	7
#181	M	23 September 2007	69	14 October 2007	69	21	0
#183	M	23 September 2007	69	7 June 2009	91	621	22
#200	F	6 October 2007	80	13 June 2008	85	251	5
#200	F	6 October 2007	80	19 October 2007	80	13	0
#200	F	19 October 2007	80	13 June 2008	85	238	5
#221	M	15 October 2007	70	18 August 2008	83	308	13
#227	F	23 October 2007	75	19 November 2007	77	27	2
#242	F	28 October 2007	88	29 October 2007	88	1	0
#323	M	25 April 2007	71	10 April 2010	100	722	29
#328	F	19 May 2008	75	12 September 2008	83	116	8

#348	F	30 August 2008	78	7 April 2009	95	221	17
#376	F	3 October 2008	70	13 March 2009	77	161	7
#405	M	3 January 2009	63	2 March 2009	65	57	2
#466	F	17 July 2009	70	20 September 2009	75	65	5
#445	F	9 June 2009	81	1 October 2009	89	114	8
#489	F	1 January 2010	68	28 April 2010	73	115	5

Table S2. Comparison of annual growth estimates (cm) obtained from vertebrae of *M. mustelus* and tagged individuals of *Mustelus spp.*. Data are listed for different size classes. SD= Standard deviation

	Method	Size (cm) <i>M. mustelus</i>			
		40-80	80-100	100-120	120-180
Number of samples	Tagging data	6	7	5	1
	back-calculation data	22	25	10	39
Annual growth (mean±SD)	Tagging data	15.47±1.3	17.69±4.5	14.9±1.5	15.41
	back-calculation data	13.66±1.5	12.8±2.5	13.5±0.9	11.9±4.2

Table S3. Mean back-calculated length-at-age (cm) for combined sexes of *M. mustelus* and *M. punctulatus*. SD= Standard deviation

M. mustelus

Age	Number	Age group (year)														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	13															
2	14	71														
3	19	69.5	81.5													
4	7	71	84	96												
5	4	69	82	96	108.5											
6	2	71	84	95	108	119										
7	7	68.5	85.5	100	112	122	129									
8	13	68.5	82.5	95	108	118.5	128	135.5								
9	7	69	82	95	109	121.5	132	141.5	147							
10	7	70	87	98	109	119	129	135.5	142	150						
11	2	68.5	82.5	99	115.5	127.5	140	148.5	154	157	160					
12	1	68	83	93.5	705	118.5	129	141	146	152.5	55	157				
16	1	73	88	102	118	132.5	137	142.5	147	152	157	161	162	164	166	169
Mean		69.5	83.5	96.5	109.5	120.5	129	138	145	150	157	159.5	162	164.5	166	169.5
SD		3.5	4.5	5.5	5	5.5	6.5	5.5	6	6	3.5	2.5				

M. punctulatus

Age	Number	Age group (year)							
		1	2	3	4	5	6	7	8
1	6	35							
2	12	37.5	54						
3	19	37	56	63					
4	17	37.5	53	61	79				
5	9	36	50	57	73	82			
6	1	36	55	65	83.5	100	109		
8	1	37.5	59	66	82	110	115	118	120
Mean		36.5	52.5	61	77	87	112		
SD		2.5	3	3	3.5	2.5	1.5		

Table S4. Summary of estimated growth parameters of *M. mustelus* and *M. punctulatus* in the south of Sicily. SD= Standard deviation

Species	Model	L_{∞} (cm±SD)	L_0 (cm±SD)	k
<i>Mustelus mustelus</i> Females (n=61)	Von Bertalanffy	209.5 ± 10.5	36.5 cm ± 1	0.11
<i>Mustelus mustelus</i> Males (n=50)	Von Bertalanffy	206.5 ± 9	35.5 ± 1	0.10
<i>Mustelus punctulatus</i> Combined (n=62)	Von Bertalanffy	156 ± 10	24± 1	0.17