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A Review of Length-Weight Relationships of Fishes from Greek Marine Waters

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Abstract

This paper presents 649 length-weight relationships gathered from literature pertaining to 83 fish species, belonging to 34 families, throughout Greek marine waters. The value of the slope b ranged from 1.667 for *Cepola macrophthalma* to 3.707 for *Mullus barbatus*. The mean value of b was 2.989 (SD=0.339) and did not differ significantly from 3 (t-test, $p<0.05$). The median value of b was 3.058 and 50% of the b values ranged between 2.900 and 3.186.

Introduction

Length-weight relationships are very useful for fisheries research because they: (a) allow the conversion of growth-in-length equations to growth-in-weight for use in stock assessment models; (b) allow the estimation of biomass from length observations; (c) allow an estimate of the condition of the fish; and (d) are useful for between-region comparisons of life histories of certain species (Goncalves et al. 1996, Froese and Pauly 1998, Moutopoulos and Stergiou 2000). They are an important component of FishBase (Froese and Pauly 1998). In this review we gathered 649 length-weight relationships from the literature for 83 fish species from Greek marine waters.

Materials and Methods

All length-weight relationships presented here are the product of field studies conducted during 1975-1998 in Greek marine waters, and are consistent with the format suitable for inclusion in FishBase. For the majority of the original length-weight relationships ($W=aL^b$), length was in mm and weight in g (519 relationships out of 649; 80%), whereas for 97 (15%) relationships, length and weight were expressed in cm and g, for 24 (3.7%) in cm and kg and for 9 (1.3%) in mm and mg. For all length-weight relationships presented here, length has been expressed in cm and weight in g.

Results and Discussion

Overall, 649 length-weight relationships (Table 1) were gathered from the literature, referring to 83 fish species, belonging to 34 families, from Greek marine waters. Overall, 119 out of the 649 length-weight relationships refer to *Pagellus erythrinus* (18.3%), 73 (11.2%) to *Mullus barbatus* and 58 (8.9%) to *Merluccius merluccius*, three of the most commercially important demersal species in Greek seas. In terms of families, Sparidae, Mullidae, Triglidae, Merlucciidae, Cepolidae, Gadidae and Centracanthidae dominated the records, with 167 (25.7%), 93 (14.3%), 75 (11.6%), 58 (8.9%), 43 (6.6%), 36 (5.5%) and 22 (3.4%) relationships, respectively. The remaining 27 families each were represented by less than 20 relationships.

The value of the slope b in the plot of log W against log L ranged from 1.667 for *Cepola rubescens* in the Evvoikos Gulf, to 3.707 for *Mullus barbatus* in the Patraikos Gulf. The mean value of b was 2.989 (SD=0.339) and did not differ significantly from 3 (t-test, $p<0.05$). The median value of b was 3.058 and 50% of the b values ranged between 2.900 and 3.186.

Froese (personal communication) has suggested that a plot of log a versus b for all known length-weight relationships of a species results in a linear relationship, and that this relationship can be used to identify outliers. We have applied this method to all species with more than 10 length-weight relationships. An example is shown in Figure 1 for four species (*Cepola rubescens*, *Pagellus erythrinus*, *Thunnus alalunga* and *Lepidotrigla cavillone*). This led to the detection of outliers, where the respective point deviated more than two standard deviations from the regression line. These length-weight relationships were marked as 'questionable' in Table 1.

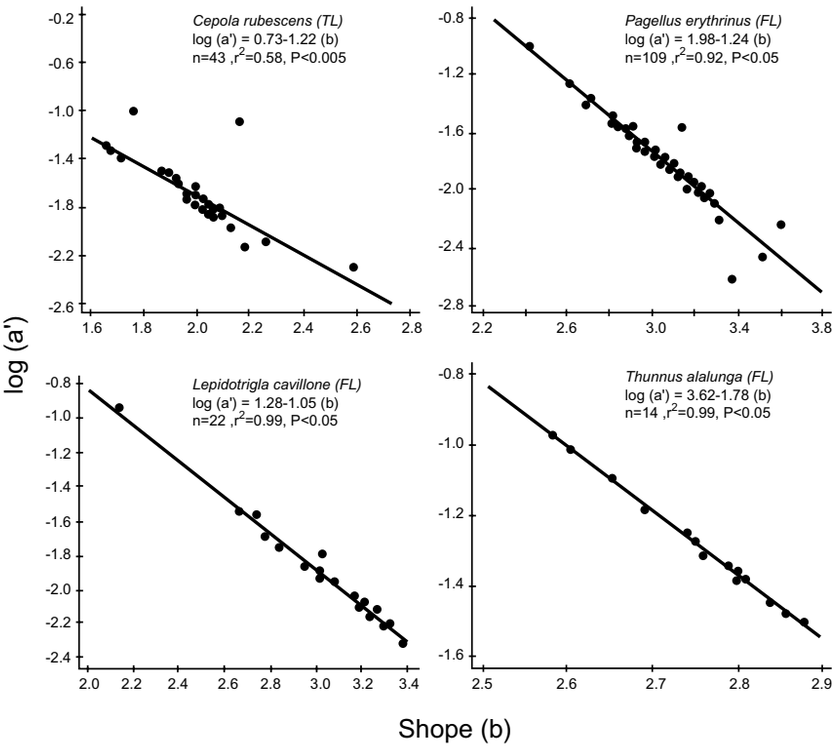

Fig. 1. Plots of log (a') versus b for all available length-weight relationships of four fish species in Greek marine waters. Note outliers (i.e., points which deviated more than two standard deviations from the regression lines) for* Cepola rubescens *(2 outliers) and* Pagellus erythrinus *(3 outliers). See also Table 1.

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Table 1. Parameters of the length-weight relationship W=a L^b[weight (in g) and length (in cm)] of marine fish species from Greek marine waters. S= sex (M, male; F, female; C, combined). Year= year of sampling; Season = sampling season (JA, January; FE, February; MA, March; AP, April; MAY, May; JU, June; JL, July; AU, August; SE, September; OC, October; NO, November; DE, December; AUT, Autumn; WI, Winter; SP, Spring; SU, Summer;C, all seasons combined); FM= fishing method (T, trawl; P, purse seine; B, beach seine; G, gill nets; H, hooks); L= type of length (TL, total length; FL, fork length; SL, standard length); a= the intercept of the relationship provided by source; a'= the original standardized intercept corresponding to cm, g; b= the slope of the relationship W=a L^b; r^2= coefficient of determination; n= the sample size; min and max are minimum and sample maximum lengths in cm Q= questionable records, deviated more than two SD from the regression line between log (a') and (b). Species are listed in alphabetical order.

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Aphanius fasciatus	Rebakia	F	1990	JU	B	TL	0.00595	0.0163877	3.44	0.99	276	2.2	7	Leonardos et al. (1996) *
Aphanius fasciatus	Rebakia	M	1990	JU	B	TL	0.00648	0.016277	3.4	0.99	185	2.4	6.8	Leonardos et al. (1996) *
Aphanius fasciatus	Rebakia	C	1990	JU	B	TL	0.00612	0.0160972	3.42	0.99	461	2.2	7	Leonardos et al. (1996) *
Aphanius fasciatus	Astrovitsa	F	1990	JU	B	TL	0.00826	0.0137082	3.22	0.97	137	2.8	7.2	Leonardos et al. (1996) *
Aphanius fasciatus	Astrovitsa	M	1990	JU	B	TL	0.00758	0.0137933	3.26	0.98	160	2.4	5	Leonardos et al. (1996) *
Aphanius fasciatus	Astrovitsa	C	1990	JU	B	TL	0.00753	0.0140215	3.27	0.99	296	2.4	7.2	Leonardos et al. (1996) *
Aphanius fasciatus	Alykes	F	1990	JU	B	TL	0.00538	0.0141508	3.42	0.98	118	2.4	6.2	Leonardos et al. (1996) *
Aphanius fasciatus	Alykes	M	1990	JU	B	TL	0.00849	0.0109372	3.11	0.95	102	2	6	Leonardos et al. (1996) *
Aphanius fasciatus	Alykes	C	1990	JU	B	TL	0.0069	0.0125559	3.26	0.97	220	2	6.2	Leonardos et al. (1996) *
Aspitrigla cuculus	G. Saronikos	M	1978	SU	T	FL	0.000014	0.0119159	2.93	0.99	104	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M	1977	AUT	T	FL	0.000004	0.006325	3.199	0.992	54	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M	1978	WI	T	FL	0.000007	0.0082622	3.072	0.989	111	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M	1978	SP	T	FL	0.000005	0.0071774	3.157	0.993	90	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F	1978	SU	T	FL	0.000017	0.0131356	2.888	0.986	106	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F	1977	AUT	T	FL	0.000011	0.0106756	2.987	0.948	48	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F	1978	WI	T	FL	0.000007	0.0086716	3.093	0.994	133	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F	1978	SP	T	FL	0.000002	0.0040554	3.307	0.993	104	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M[1]	1977-78	C	T	FL	0.000028	0.0162614	2.764	0.978	48	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M[2]	1977-78	C	T	FL	0.000004	0.0060403	3.179	0.981	311	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F[3]	1977-78	C	T	FL	0.000129	0.0349615	2.433	0.949	34	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F[4]	1977-78	C	T	FL	0.000004	0.0061103	3.184	0.974	357	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	F	1977-78	C	T	FL	0.000006	0.0078732	3.118	0.979	391	-	-	Papaconstantinou (1983)
Aspitrigla cuculus	G. Saronikos	M	1977-78	C	T	FL	0.000007	0.0085329	3.086	0.978	359	-	-	Papaconstantinou (1983)
Boops boops	Kyclades	C	1997-98	C	G/H	TL	0.01467	0.01467	2.877	0.91	122	14.5	28.1	Moutopoulos & Stergiou (2000) **
Boops boops	G. S. Evvoikos	C	1992-93	C	B	FL	0.000012	0.0148656	3.093	0.94	256	9.6	24.3	Petrakis & Stergiou (1995)
Bothus podas	Kyclades	C	1997-98	C	G/H	TL	0.0169	0.0169	2.801	0.94	17	9.7	17.3	Moutopoulos & Stergiou (2000) **
Cepola macrophthalma	G. N. Evvoikos	M	1986-88	C	T	TL	0.0001386	0.0148855	2.031	0.92	1311	-	-	Stergiou (1991)
Cepola macrophthalma	G. N. Evvoikos	F	1986-88	C	T	TL	0.0001262	0.0153483	2.085	0.89	1073	-	-	Stergiou (1991)
Cepola macrophthalma	G. S. Evvoikos	M	1986-88	C	T	TL	0.0007704	0.0400605	1.716	0.75	452	-	-	Stergiou (1991)
Cepola macrophthalma	G. S. Evvoikos	F	1986-88	C	T	TL	0.0010563	0.0490667	1.667	0.75	515	-	-	Stergiou (1991)
Cepola macrophthalma	G. Evvoikos [6]	M	1986-87	AUT	T	TL	0.0002044	0.0196101	1.982	0.9	583	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1986-87	AUT	T	TL	0.0001965	0.0197407	2.002	0.88	550	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	M	1986-87	WI	T	TL	0.000134	0.0150697	2.051	0.95	242	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1986-87	WI	T	TL	0.0001179	0.0141747	2.08	0.9	378	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	M	1987-88	SP	T	TL	0.0001143	0.013184	2.062	0.93	255	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1987-88	SP	T	TL	0.0001261	0.0145116	2.061	0.87	266	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	M	1987-88	SU	T	TL	0.0001702	0.0175776	2.014	0.84	683	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1987-88	SU	T	TL	0.0001705	0.0183115	2.031	0.76	394	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1986	AUT	T	TL	0.0002252	0.0206809	1.963	0.89	286	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1986	WI	T	TL	0.0001418	0.0150895	2.027	0.95	102	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1987	SP	T	TL	0.0000777	0.0104814	2.13	0.9	152	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1987	SU	T	TL	0.0002882	0.0246998	1.933	0.84	353	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1987	AUT	T	TL	0.0002121	0.0204428	1.984	0.9	297	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1987	WI	T	TL	0.0001236	0.0142239	2.061	0.95	140	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1988	SP	T	TL	0.000162	0.0161627	1.999	0.97	103	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	_	1988	SU	T	TL	0.0001993	0.0188151	1.975	0.83	330	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1986	AUT	T	TL	0.0001303	0.0152386	2.068	0.89	414	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1986	WI	T	TL	0.0001284	0.0148787	2.064	0.9	202	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1987	SP	T	TL	0.000202	0.0185503	1.963	0.85	160	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1987	SU	T	TL	0.0004263	0.0316749	1.871	0.71	251	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1987	AUT	T	TL	0.0002285	0.0225884	1.995	0.9	136	-	-	Stergiou (1993)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Cepola macrophthalma	G. Evvoikos [6]	F	1987	WI	T	TL	0.0001053	0.013287	2.101	0.9	176	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1988	SP	T	TL	0.0000449	0.0081893	2.261	0.93	106	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	F	1988	SU	T	TL	0.0000472	0.0071635	2.181	0.78	143	-	-	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1986	AUT	T	TL	0.0001739	0.0178361	2.011	0.89	700	10	52	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1986	WI	T	TL	0.000013	0.0050654	2.59	0.92	304	8	50	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1987	SP	T	TL	0.0001241	0.0138603	2.048	0.87	312	14	52	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1987	SU	T	TL	0.0003764	0.0298298	1.899	0.8	604	14	57	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1987	AUT	T	TL	0.0003204	0.0267727	1.922	0.9	433	10	56	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1987	WI	T	TL	0.0001193	0.0141462	2.074	0.92	316	10	50	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1988	SP	T	TL	0.0001182	0.0138553	2.069	0.93	209	12	52	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	C	1988	SU	T	TL	0.0002145	0.0199263	1.968	0.81	473	10	52	Stergiou (1993)
Cepola macrophthalma	G. Evvoikos [6]	M	1986-88	C	T	TL	0.000135	0.0151822	2.051	0.9	1763	10.4	58.7	Stergiou et al. (1992)
Cepola macrophthalma	G. Evvoikos [6]	F	1986-88	C	T	TL	0.0001451	0.016243	2.049	0.85	1588	11.8	51.3	Stergiou et al. (1992)
Cepola macrophthalma	G. Evvoikos [6]	C	1986-88	C	T	TL	0.0001552	0.01663	2.03	0.87	3351	10.4	58.7	Stergiou et al. (1992)
Cepola macrophthalma	G. N. Evvoikos	C	1986-88	C	T	TL	0.000166	0.0176648	2.027	0.9	2384	10.4	58.7	Stergiou et al. (1992)
Cepola macrophthalma	G. S. Evvoikos	C	1986-88	C	T	TL	0.000947	0.0456405	1.683	0.75	967	11.8	51.3	Stergiou et al. (1992)
Cepola macrophthalma [7]	G. N. Evvoikos [5]	C	1994	MA	T	TL	0.0814	0.0814	2.163	0.94	49	16.3	62	Stergiou & Politou (1995) **
Cepola macrophthalma [7]	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.098718	0.098718	1.765	0.9	256	9.5	51.6	Stergiou & Politou (1995) **
Chelidonichthys lastoviza	G. Saronikos	C	1978	C	T	FL	0.00001	0.011324	3.054	0.985	707	4.5	29.3	Papaconstantinou (1986)
Chelidonichthys lastoviza	G.S. Evvoikos	C	1992-93	C	B	TL	0.000017	0.0151862	2.951	0.98	15	12.1	23.9	Petrakis & Stergiou (1995)
Chelidonichthys lastoviza	Kyclades	C	1997-98	C	G/H	TL	0.01452	0.01452	2.892	0.97	24	11.5	25.1	Moutopoulos & Stergiou (2000) **
Chelon labrosus	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000159	0.0175549	3.043	0.99	928	1.36	33.3	Koutrakis & Sinis (1994)
Chelon labrosus	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000022	0.0034661	3.207	0.97	614	1.36	4	Koutrakis & Sinis (1994)
Chelon labrosus	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000095	0.0090307	2.978	0.99	315	4	33.3	Koutrakis & Sinis (1994)
Chelon labrosus	Lake Vistonis	M	1988-90	C	G/B	SL	0.0000197	0.0200201	3.007	0.988	30	-	-	Koutrakis & Sinis (1994)
Chelon labrosus	Lake Vistonis	F	1988-90	C	G/B	SL	0.0000178	0.0188114	3.024	0.972	51	-	-	Koutrakis & Sinis (1994)
Chelon labrosus	G. Saronikos	C	1986-87	C	T	SL	0.0000064	0.0094663	3.17	0.984	59	9	24.5	Velentzas (1992)
Chromis chromis	G. S. Evvoikos	C	1992-93	C	B	FL	0.000383	0.0995861	2.415	0.94	42	4.5	10.9	Petrakis & Stergiou (1995)
Citharus linguatula	Kyclades	C	1997-98	C	G/H	TL	0.05767	0.05767	2.293	0.54	19	10.3	17.5	Moutopoulos & Stergiou (2000) **
Citharus linguatula	G. S. Evvoikos	C	1992-93	C	B	TL	0.000009	0.0085554	2.978	0.98	22	12	23.1	Petrakis & Stergiou (1995)
Citharus linguatula	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.00074	0.00074	3.447	0.82	141	5.9	22	Stergiou & Politou (1995) **
Citharus linguatula	C. Aegean Sea	M	1990	C	T	TL	0.0000037	0.0048558	3.117	0.98	159	6.5	18.5	Vassilopoulou & Papaconstantinou (1994)
Citharus linguatula	C. Aegean Sea	F	1990	C	T	TL	0.0000039	0.0050409	3.109	0.97	239	6.3	23.9	Vassilopoulou & Papaconstantinou (1994)
Citharus linguatula	C. Aegean Sea	C	1990	C	T	TL	0.0000036	0.0047967	3.125	0.98	398	6.3	23.9	Vassilopoulou & Papaconstantinou (1994)
Conger conger	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0017	0.0017	2.98	0.811	39	28.5	90	Moutopoulos & Stergiou (1998) **
Conger conger	Kyclades	C	1997-98	C	G/H	TL	0.00054	0.00054	3.225	0.91	106	27.5	90	Moutopoulos & Stergiou (2000) **
Coris julis	G. S. Evvoikos	C	1992-93	C	B	TL	0.000002	0.0047756	3.378	0.97	207	5.7	16.6	Petrakis & Stergiou (1995)
Dentex dentex	Kyclades	C	1997-98	C	G/H	TL	0.01474	0.01474	2.966	0.98	16	13.6	23.6	Moutopoulos & Stergiou (2000) **
Dentex dentex	G. S. Evvoikos	C	1992-93	C	B	FL	0.000016	0.0170655	3.028	0.94	22	10.9	30	Petrakis & Stergiou (1995)
Dicentrarchus labrax	Etolikon Lagoons	C	1983-84	C	G/H	SL	0.01216	0.01216	3.076	0.99	160	-	-	Klaoudatos & Apostolopoulos (1986)**
Diplodus annularis	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0143	0.0143	3.049	0.976	54	11.1	25.3	Moutopoulos & Stergiou (1998) **
Diplodus annularis	Kyclades	C	1997-98	C	G/H	TL	0.01862	0.01862	2.951	0.94	284	11	25.3	Moutopoulos & Stergiou (2000) **
Diplodus annularis	Kyclades	C	1997-98	AUT	G/H	TL	0.01215	0.01215	3.129	0.92	45	11.1	16.5	Moutopoulos & Stergiou (2000) **
Diplodus annularis	Kyclades	C	1997-98	WI	G/H	TL	0.01477	0.01477	3.036	0.99	44	11.9	25.3	Moutopoulos & Stergiou (2000) **
Diplodus annularis	Kyclades	C	1998	SP	G/H	TL	0.0365	0.0365	2.695	0.87	92	11	19.8	Moutopoulos & Stergiou (2000) **
Diplodus annularis	Kyclades	C	1998	SU	G/H	TL	0.0131	0.0131	3.075	0.94	103	11.4	18.7	Moutopoulos & Stergiou (2000) **
Diplodus annularis	G. S. Evvoikos	C	1992-93	C	B	FL	0.000023	0.0231062	3.002	0.87	313	6.5	13.5	Petrakis & Stergiou (1995)
Diplodus sargus	Kyclades	C	1997-98	C	G/H	TL	0.01382	0.01382	3.07	0.99	19	13.2	32.3	Moutopoulos & Stergiou (2000) **
Diplodus vulgaris	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0194	0.0194	2.93	0.933	29	13.2	29.6	Moutopoulos & Stergiou (1998) **
Diplodus vulgaris	Kyclades	C	1997-98	C	G/H	TL	0.01306	0.01306	3.055	0.98	122	11.6	29.6	Moutopoulos & Stergiou (2000) **
Diplodus vulgaris	G. S. Evvoikos	C	1992-93	C	B	FL	0.000098	0.0502604	2.71	0.98	28	6.5	14.7	Petrakis & Stergiou (1995)
Engraulis encrasicolus	G. Thermaikos	C	1997-98	C	P	TL	0.001172	0.001172	3.63	0.96	900	7	15	Loukmidou (1998) **

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Engraulis encrasicolus	G. Thermaikos	F	1997-98	C	P	TL	0.001419	0.001419	3.56	0.96	409	-	-	Loukmidou (1998) **
Engraulis encrasicolus	G. Thermaikos	M	1997-98	C	P	TL	0.001284	0.001284	3.59	0.91	472	-	-	Loukmidou (1998) **
Engraulis encrasicolus	G. Thermaikos	C	1997	JU-NO	P	TL	0.002	0.002	3.52	0.92	600	-	-	Loukmidou & Stergiou (1998) **
Engraulis encrasicolus	N. Aegean Sea	C	1995	JU	T	TL	0.00699	0.00699	2.95	-	-	-	-	Machias et al. (1997) **
Eutrigla gurnardus	G. Pagassitikos	M	1976-77	SP	T	FL	0.000012	0.0100735	2.924	0.94	107	12	23	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	M	1976-77	SU	T	FL	0.000027	0.0154655	2.758	0.99	33	8	21	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	M	1976	AUT	T	FL	0.000003	0.0047987	3.204	0.99	35	9	19	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	M	1977	WI	T	FL	0.000002	0.0036646	3.263	0.99	54	11	21	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	F	1976-77	SP	T	FL	0.000008	0.0085131	3.027	0.98	163	12	26	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	F	1976-77	SU	T	FL	0.000005	0.0061372	3.089	0.987	63	8	24	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	F	1976	AUT	T	FL	0.000004	0.0053711	3.128	0.99	48	10	24	Papaconstantinou (1982a)
Eutrigla gurnardus	G. Pagassitikos	F	1977	WI	T	FL	0.000002	0.0041403	3.316	0.99	82	11	27	Papaconstantinou (1982a)
Lepidotrigla cavillone	G. Pagassitikos	F	1976-77	MAY	T	FL	0.000015	0.0160728	3.03	0.978	49	9	14.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Pagassitikos	M	1976-77	JU	T	FL	0.000015	0.0133688	2.95	0.966	89	8	16	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Pagassitikos	M	1976-77	FE	T	FL	0.000004	0.0069193	3.238	0.992	72	6	16	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Pagassitikos	M	1976-77	MAY	T	FL	0.000025	0.0177394	2.851	0.963	28	9	14.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	F	1976-78	JU	T	FL	0.000002	0.0048644	3.386	0.991	109	5	14.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	F	1976-78	AU	T	FL	0.000005	0.0080162	3.205	0.988	80	5	14	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	F	1976-78	NO	T	FL	0.000009	0.0109457	3.085	0.986	227	7	14	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	F	1976-78	MA	T	FL	0.000006	0.0089568	3.174	0.985	78	6	15	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	M	1976-78	JU	T	FL	0.000004	0.0071295	3.251	0.989	133	5	14.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	M	1976-78	AU	T	FL	0.000005	0.0082219	3.216	0.994	93	5	14	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	M	1976-78	NO	T	FL	0.000012	0.012479	3.017	0.987	247	7	14	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Saronikos	M	1976-78	MA	T	FL	0.000005	0.0081841	3.214	0.991	93	6	15	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	F	1976-77	JL	T	FL	0.00006	0.0279352	2.668	0.954	114	6	13.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	F	1976-77	OC	T	FL	0.000789	0.1101735	2.145	0.915	16	8	12.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	F	1976-77	FE	T	FL	0.000004	0.0074827	3.272	0.995	64	5	13	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	F	1976-77	AP	T	FL	0.000003	0.0060691	3.306	0.935	194	5.5	13.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	M	1976-77	JL	T	FL	0.000011	0.011545	3.021	0.964	93	6	13.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	M	1976-77	OC	T	FL	0.000002	0.004897	3.389	0.938	18	8	12.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	M	1976-77	FE	T	FL	0.000005	0.0078157	3.194	0.994	68	5	13	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. Thermaikos	M	1976-77	AP	T	FL	0.000012	0.0125366	3.019	0.883	193	5.5	13.5	Papaconstantinou (1982b)
Lepidotrigla cavillone	G. S. Evvoikos	C	1992-93	C	B	TL	0.000049	0.0269275	2.74	0.91	16	8.8	14.5	Petrakis & Stergiou (1995)
Liza aurata	G. Saronikos	C	1986-87	C	T	SL	0.0000046	0.0078119	3.23	0.761	38	15.5	21	Velentzas (1992)
Liza ramada	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000172	0.0177226	3.013	0.99	662	1.5	39.5	Koutrakis & Sinis (1994)
Liza ramada	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000081	0.0142064	3.244	0.99	286	1.5	4	Koutrakis & Sinis (1994)
Liza ramada	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000234	0.0208073	2.949	0.99	375	4	39.5	Koutrakis & Sinis (1994)
Liza ramada	Lake Vistonis	M	1988-90	C	G/B	SL	0.0000077	0.0110278	3.156	0.96	55	-	-	Koutrakis & Sinis (1994)
Liza ramada	Lake Vistonis	F	1988-90	C	G/B	SL	0.0000041	0.0076346	3.27	0.987	63	-	-	Koutrakis & Sinis (1994)
Liza saliens	Lake Vistonis	C	1988-90	C	G/B	SL	0.0000129	0.014608	3.054	0.99	870	0.9	27.4	Koutrakis & Sinis (1994)
Liza saliens	Lake Vistonis	C	1988-90	C	G/B	SL	0.000007	0.0124767	3.251	0.984	500	0.9	4	Koutrakis & Sinis (1994)
Liza saliens	Lake Vistonis	C	1988-90	C	G/B	SL	0.00002	0.0183244	2.962	0.99	369	4	27.4	Koutrakis & Sinis (1994)
Liza saliens	Lake Vistonis	M	1988-90	C	G/B	SL	0.0000156	0.0157806	3.005	0.97	80	-	-	Koutrakis & Sinis (1994)
Liza saliens	Lake Vistonis	F	1988-90	C	G/B	SL	0.000019	0.0178959	2.974	0.989	143	-	-	Koutrakis & Sinis (1994)
Lophius budegassa	G. N. Evvoikos [5]	C	1994	MA	T	TL	0.0305	0.0305	2.85	0.99	38	5.9	57.4	Stergiou & Politou (1995) **
Lophius budegassa	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.03045	0.03045	2.889	0.88	117	13.3	53	Stergiou & Politou (1995) **
Lophius budegassa	G. Saronikos	M	1975-77	WI	T	TL	0.000017	0.0148405	2.941	0.99	179	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	F	1975-77	WI	T	TL	0.000019	0.0163966	2.936	0.99	173	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	M	1975-77	SP	T	TL	0.000017	0.0147045	2.937	0.99	97	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	F	1975-77	SP	T	TL	0.00001	0.0108893	3.037	0.99	100	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	M	1975-77	SU	T	TL	0.000013	0.0126457	2.988	0.99	129	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	F	1975-77	SU	T	TL	0.000007	0.0090177	3.11	0.99	113	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	M	1975-77	AUT	T	TL	0.000011	0.0113342	3.013	0.99	114	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	F	1975-77	AUT	T	TL	0.000006	0.0081124	3.131	0.99	120	-	-	Tsimenides & Ondrias (1980)
Lophius budegassa	G. Saronikos	M	1975-77	C	T	TL	0.000011	0.0114391	3.017	0.97	345	6	48	Tsimenides & Ondrias (1980)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Lophius budegassa	G. Saronikos	F	1975-77	C	T	TL	0.000013	0.01303	3.001	0.987	358	6	64	Tsimenides & Ondrias (1980)
Lophius piscatorius	Aegean Sea	M	1976-79	C	T	TL	0.000024	0.0189326	2.897	0.99	133	-	-	Tsimenides & Ondrias (1980)
Lophius piscatorius	Aegean Sea	F	1976-79	C	T	TL	0.000036	0.025486	2.85	0.99	128	-	-	Tsimenides & Ondrias (1980)
Merlangius merlangus euxinus	Thermaikos/ Thracian Sea	F	1992-93	C	T	TL	0.0000036	0.0051204	3.153	0.96	248	-	-	Papaconstantinou et al. (1994)
Merlangius merlangus euxinus	Thermaikos/ Thracian Sea	M	1992-93	C	T	TL	0.0000055	0.0065518	3.076	0.94	213	-	-	Papaconstantinou et al. (1994)
Merlangius merlangus euxinus	Thermaikos/ Thracian Sea	C	1992-93	C	T	TL	0.0000043	0.0056555	3.119	0.95	569	9	37	Papaconstantinou et al. (1994)
Merluccius merluccius	-	-	1993	-	-	TL	0.0039158	0.0039158	3.17	0.99	36	22	54	Lazaris (1995) **
Merluccius merluccius	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0018	0.0018	3.408	0.928	29	20.4	37.9	Moutopoulos & Stergiou (1998) **
Merluccius merluccius	Kyclades	C	1997-98	C	G/H	TL	0.00362	0.00362	3.2	0.95	152	18	50.2	Moutopoulos & Stergiou (2000) **
Merluccius merluccius	Ionian Sea	C	1983-85	C	T	TL	0.0000019	0.0032565	3.234	0.933	1542	4	48	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1983	JU	T	TL	0.000001	0.0019724	3.295	0.886	197	6	38	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1983	SE	T	TL	0.000001	0.0019498	3.29	0.925	341	6	38	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1983	NO	T	TL	0.000001	0.0021135	3.325	0.962	117	10	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1984	MA	T	TL	0.000001	0.0020989	3.322	0.973	96	8	48	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1984	JU	T	TL	0.000004	0.0050589	3.102	0.934	264	4	40	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1984	SE	T	TL	0.000002	0.0035484	3.249	0.967	147	6	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1984	DE	T	TL	0.000008	0.0076752	2.982	0.985	77	4	40	Papaconstantinou et al. (1988a)
Merluccius merluccius	Ionian Sea	C	1985	MA	T	TL	0.000002	0.0033809	3.228	0.94	303	8	42	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1983-85	C	T	TL	0.0000024	0.0037776	3.197	0.969	983	10	36	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1983	JU	T	TL	0.000005	0.0057673	3.062	0.965	88	10	36	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1983	SE	T	TL	0.000002	0.0033345	3.222	0.951	188	14	28	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1983	NO	T	TL	0.000002	0.0034122	3.232	0.976	106	16	36	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1984	MA	T	TL	0.000011	0.0092553	2.925	0.991	142	18	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1984	JU	T	TL	0.000003	0.0045198	3.178	0.989	67	20	36	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1984	SE	T	TL	0.000002	0.0036394	3.26	0.959	108	12	22	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1984	DE	T	TL	0.000002	0.0038373	3.283	0.968	194	14	22	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Korinthiakos	C	1985	MA	T	TL	0.000003	0.0042572	3.152	0.98	90	16	22	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1983-85	C	T	TL	0.000002	0.0033965	3.23	0.937	2313	6	34	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1983	JU	T	TL	0.000001	0.0023823	3.377	0.887	264	6	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1983	SE	T	TL	0.000003	0.0044068	3.167	0.933	719	8	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1983	NO	T	TL	0.000003	0.0042768	3.154	0.976	150	10	34	Papaconstantinou et al. (1988a)
Merluccius merluccius[7]	G. Patraikos	C	1984	MA	T	TL	0.000009	0.0132814	3.169	0.968	228	10	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1984	JU	T	TL	0.000007	0.0070485	3.003	0.99	78	6	30	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1984	SE	T	TL	0.000001	0.0019543	3.291	0.921	397	8	28	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1984	DE	T	TL	0.000003	0.0045407	3.18	0.968	195	10	34	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Patraikos	C	1985	MA	T	TL	0.000003	0.004267	3.153	0.968	281	10	28	Papaconstantinou et al. (1988a)
Merluccius merluccius	G. Evvoikos [6]	C	1986-88	C	T	FL	0.000002	0.0032887	3.216	0.953	633	5	56	Papaconstantinou et al. (1989)
Merluccius merluccius	G. S. Evvoikos	C	1986-88	C	T	FL	0.000004	0.0052127	3.115	0.99	40	10	18	Papaconstantinou et al. (1989)
Merluccius merluccius	N. Evvoikos Gulf	C	1986-88	C	T	FL	0.000003	0.0045302	3.179	0.945	389	5	52	Papaconstantinou et al. (1989)
Merluccius merluccius	G. Pagassitikos	C	1986-88	C	T	FL	0.000002	0.0032287	3.208	0.959	712	6	40	Papaconstantinou et al. (1989)
Merluccius merluccius	G. S. Evvoikos	C	1989	C	T	TL	0.000004	0.0052127	3.115	0.99	40	-	-	Papaconstantinou et al. (1989)
Merluccius merluccius	G. Petalion	C	1986-88	C	T	FL	0.000002	0.0038109	3.28	0.947	284	4	46	Papaconstantinou et al. (1989)
Merluccius merluccius	Aegean Sea	C	1990	JU	T	TL	0.000003	0.0043263	3.159	0.96	-	-	-	Papaconstantinou et al. (1992b)
Merluccius merluccius	Aegean Sea	C	1990	SE	T	TL	0.000002	0.0030341	3.181	0.98	-	-	-	Papaconstantinou et al. (1992b)
Merluccius merluccius	Aegean Sea	C	1990	DE	T	TL	0.000004	0.004776	3.077	0.96	-	-	-	Papaconstantinou et al. (1992b)
Merluccius merluccius	Aegean Sea	C	1991	MA	T	TL	0.000006	0.0062973	3.021	0.88	-	-	-	Papaconstantinou et al. (1992b)
Merluccius merluccius	C. Aegean Sea	C	1993	JU	T	TL	0.000003	0.0043263	3.159	0.98	443	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	C	1993	SE	T	TL	0.000002	0.0030341	3.181	0.99	360	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	C	1993	DE	T	TL	0.000004	0.0057685	3.159	0.96	674	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	C	1993	MA	T	TL	0.000006	0.0062973	3.021	0.88	337	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	F	1991	C	T	TL	0.000005	0.0059837	3.078	0.9	573	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	M	1991	C	T	TL	0.000003	0.0040006	3.125	0.92	582	-	-	Papaconstantinou et al. (1993)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Merluccius merluccius	C. Aegean Sea	C	1991	C	T	TL	0.000004	0.0051649	3.111	0.95	1724	5.2	92	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	F	1992	C	T	TL	0.000003	0.0042768	3.154	0.97	566	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	M	1992	C	T	TL	0.000006	0.0062252	3.016	0.9	727	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	C. Aegean Sea	C	1992	C	T	TL	0.000004	0.0053218	3.124	0.95	1385	-	-	Papaconstantinou et al. (1993)
Merluccius merluccius	N. Aegean Sea	F	1992-93	C	T	TL	0.0000032	0.0045515	3.153	0.93	1006	-	-	Papaconstantinou et al. (1994)
Merluccius merluccius	N. Aegean Sea	M	1992-93	C	T	TL	0.0000038	0.0050094	3.12	0.94	884	-	-	Papaconstantinou et al. (1994)
Merluccius merluccius	N. Aegean Sea	C	1992-93	C	T	TL	0.0000032	0.0045515	3.153	0.95	2381	5	57	Papaconstantinou et al. (1994)
Merluccius merluccius	G. Saronikos	F	1976	SE	T	TL	0.000002	0.0034122	3.232	-	376	4	44	Tsimenides et al. (1978)
Merluccius merluccius	G. Saronikos	M	1976	SE	T	TL	0.000003	0.0044887	3.175	-	272	4	44	Tsimenides et al. (1978)
Merluccius merluccius	G. Thermaikos	F	1976	OC	T	TL	0.000001	0.0020941	3.321	-	202	8	50	Tsimenides et al. (1978)
Merluccius merluccius	G. Thermaikos	M	1976	OC	T	TL	0.000002	0.0037156	3.269	-	138	8	50	Tsimenides et al. (1978)
Merluccius merluccius	Hellenic Seas	C	1977	C	T	TL	0.0041	0.0041	3.153	0.95	504	-	-	Yannopoulos (1977) **
Micromesistius poutassou	G. N. Evvoikos	C	1986-87	C	T	TL	0.000002	0.0032586	3.212	0.99	4452	10	3-	Papaconstantinou & Petrakis (1989)
Micromesistius poutassou	G. Korinthiakos	C	1984-85	C	T	FL	0.000007	0.007449	3.027	0.928	277	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Korinthiakos	C	1984	DE	T	FL	0.000022	0.0141717	2.809	0.843	58	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Korinthiakos	C	1985	MA	T	FL	0.0000004	0.0013616	3.532	0.802	115	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Korinthiakos	C	1985	JU	T	FL	0.00001	0.009247	2.966	0.817	53	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Patraikos	C	1984-85	C	T	FL	0.000006	0.0065036	3.035	0.956	477	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Patraikos	C	1984	SE	T	FL	0.000005	0.0054824	3.04	0.98	150	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Patraikos	C	1984	DE	T	FL	0.000006	0.0069687	3.065	0.975	193	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Patraikos	C	1985	MA	T	FL	0.000007	0.0069839	2.999	0.994	104	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Patraikos	C	1985	JU	T	FL	0.000003	0.004267	3.153	0.986	122	-	-	Papaconstantinou et al. (1988a)
Micromesistius poutassou	G. Evvoikos [6]	C	1986-88	AUT-WI	T	FL	0.000001	0.0021135	3.325	0.97	355	11	29	Papaconstantinou et al. (1989)
Micromesistius poutassou	G. Evvoikos [6]	C	1986-88	WI	T	FL	0.0000006	0.0017789	3.472	0.98	604	13	30	Papaconstantinou et al. (1989)
Micromesistius poutassou	G. Evvoikos [6]	C	1986-88	SP	T	FL	0.000018	0.0115684	2.808	0.99	520	7	30	Papaconstantinou et al. (1989)
Micromesistius poutassou	G. Evvoikos [6]	C	1986-88	SU	T	FL	0.0000056	0.0059867	3.029	0.97	486	10	32	Papaconstantinou et al. (1989)
Micromesistius poutassou	C. Aegean Sea	C	1991	SU	T	TL	0.0000022	0.0036511	3.22	0.98	87	21	38	Papaconstantinou et al. (1993)
Micromesistius poutassou	C. Aegean Sea	C	1991	SU	T	TL	0.0000074	0.0070669	2.98	0.93	642	10	27	Papaconstantinou et al. (1993)
Micromesistius poutassou	C. Aegean Sea	C	1992	SP	T	TL	0.000023	0.0132351	2.76	0.95	97	18	34	Papaconstantinou et al. (1993)
Micromesistius poutassou	C. Aegean Sea	C	1992	SP	T	TL	0.000016	0.0103305	2.81	0.89	751	17	30	Papaconstantinou et al. (1993)
Micromesistius poutassou[7]	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.00194	0.00194	3.223	0.94	263	12.3	25.4	Stergiou & Politou (1995) **
Mullus barbatus	Kyclades	C	1997-98	C	G/H	TL	0.01772	0.01772	2.832	0.75	15	19.1	29	Moutopoulos & Stergiou (2000) **
Mullus barbatus	G. Saronikos	M	1976	MA	T	FL	0.000015	0.015104	3.003	0.935	178	9	17	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	M	1976	JU	T	FL	0.000037	0.0241103	2.814	0.901	48	10	17	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	M	1976	SE	T	FL	0.000005	0.0099763	3.3	0.99	50	5	21	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	M	1976	DE	T	FL	0.000005	0.0087492	3.243	0.956	150	8	17	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	F	1976	MA	T	FL	0.000005	0.0084522	3.228	0.964	190	9	20	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	F	1976	JU	T	FL	0.000015	0.0150692	3.002	0.952	55	9	19	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	F	1976	SE	T	FL	0.000003	0.0064435	3.332	0.985	53	11	21	Papaconstantinou et al. (1981)
Mullus barbatus	G. Saronikos	F	1976	DE	T	FL	0.000016	0.0164104	3.011	0.963	144	8	19	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	M	1976-77	AP	T	FL	0.000007	0.0100253	3.156	0.926	87	9	17	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	M	1976-77	JL	T	FL	0.000173	0.0524863	2.482	0.805	119	10	16	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	M	1976-77	OC	T	FL	0.000007	0.0104496	3.174	0.942	352	9	18	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	M	1976-77	FE	T	FL	0.000005	0.0084912	3.23	0.959	92	10	18	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	F	1976-77	AP	T	FL	0.000002	0.0058483	3.466	0.959	142	9	22	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	F	1976-77	JL	T	FL	0.000016	0.0152447	2.979	0.913	58	10	21	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	F	1976-77	OC	T	FL	0.000012	0.0139053	3.064	0.933	185	7	20	Papaconstantinou et al. (1981)
Mullus barbatus	G. Thermaikos	F	1976-77	FE	T	FL	0.000008	0.0113003	3.15	0.879	172	8	19	Papaconstantinou et al. (1981)
Mullus barbatus	Ionian Sea	C	1983-85	C	T	FL	0.000005	0.0077978	3.193	0.975	1647	6	21	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1983	JU	T	FL	0.0000102	0.0110306	3.034	0.983	206	11	16	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1983	SE	T	FL	0.0000059	0.0089919	3.183	0.991	243	10	16	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1983	NO	T	FL	0.0000024	0.0057307	3.378	0.965	217	8	17	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1984	MA	T	FL	0.0000029	0.0063738	3.342	0.987	119	9	20	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1984	JU	T	FL	0.0000076	0.0098586	3.113	0.99	153	9	18	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1984	SE	T	FL	0.0000066	0.0093874	3.153	0.99	94	10	21	Papaconstantinou et al. (1988a)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Mullus barbatus	Ionian Sea	C	1984	DE	T	FL	0.000002	0.0051526	3.411	0.94	275	6	21	Papaconstantinou et al. (1988a)
Mullus barbatus	Ionian Sea	C	1985	MA	T	FL	0.000005	0.0080532	3.207	0.98	340	9	22	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1983-85	C	T	FL	0.000003	0.0059173	3.295	0.978	994	6	19	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1983	JU	T	FL	0.0000109	0.0116527	3.029	0.984	206	8	19	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1983	SE	T	FL	0.0000011	0.0037618	3.534	0.982	196	9	19	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1983	NO	T	FL	0.0000035	0.0067619	3.286	0.958	111	6	15	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1984	MA	T	FL	0.000003	0.0065482	3.339	0.98	124	70	17	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1984	JU	T	FL	0.0000014	0.0040656	3.463	0.986	83	10	18	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1984	SE	T	FL	0.0000132	0.0141115	3.029	0.997	58	12	15	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1984	DE	T	FL	0.000002	0.0042759	3.33	0.988	61	9	16	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Korinthiakos	C	1985	MA	T	FL	0.000012	0.0132185	3.042	0.978	155	7	14	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1983-85	C	T	FL	0.000005	0.0082788	3.219	0.971	1277	5	19	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1983	JU	T	FL	0.000009	0.0105498	3.069	0.982	220	9	17	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1983	SE	T	FL	0.0000031	0.0065067	3.322	0.948	255	6	18	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1983	NO	T	FL	0.0000025	0.0059148	3.374	0.957	30	8	15	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1984	MA	T	FL	0.0001892	0.0583339	2.489	0.991	87	11	18	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1984	JU	T	FL	0.0000012	0.0036828	3.487	0.988	80	10	17	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1984	SE	T	FL	0.0000005	0.0025467	3.707	0.982	190	6	16	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1984	DE	T	FL	0.000003	0.0063113	3.323	0.963	293	7	17	Papaconstantinou et al. (1988a)
Mullus barbatus	G. Patraikos	C	1985	MA	T	FL	0.000006	0.0094005	3.195	0.979	122	8	19	Papaconstantinou et al. (1988a)
Mullus barbatus	C. Aegean Sea	M	1991	C	T	FL	0.0000067	0.0098418	3.167	0.91	745	-	-	Papaconstantinou et al. (1993)
Mullus barbatus	C. Aegean Sea	F	1991	C	T	FL	0.0000056	0.0089989	3.206	0.93	723	-	-	Papaconstantinou et al. (1993)
Mullus barbatus	C. Aegean Sea	C	1991	C	T	FL	0.0000064	0.0096645	3.179	0.94	1836	6	20	Papaconstantinou et al. (1993)
Mullus barbatus	C. Aegean Sea	M	1992	C	T	FL	0.0000096	0.0118924	3.093	0.87	490	-	-	Papaconstantinou et al. (1993)
Mullus barbatus	C. Aegean Sea	F	1992	C	T	FL	0.0000111	0.0129516	3.067	0.95	629	-	-	Papaconstantinou et al. (1993)
Mullus barbatus	C. Aegean Sea	C	1992	C	T	FL	0.000007	0.0100948	3.159	0.93	1253	4	21	Papaconstantinou et al. (1993)
Mullus barbatus	N. Aegean Sea	M	1992-93	C	T	TL	0.0000196	0.0174283	2.949	0.89	900	-	-	Papaconstantinou et al. (1994)
Mullus barbatus	N. Aegean Sea	F	1992-93	C	T	TL	0.0000145	0.014975	3.014	0.93	1019	-	-	Papaconstantinou et al. (1994)
Mullus barbatus	N. Aegean Sea	C	1992-93	C	T	TL	0.0000159	0.015718	2.995	0.93	2206	5	24	Papaconstantinou et al. (1994)
Mullus barbatus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000012	0.0145942	3.085	0.87	597	9.6	20.8	Petrakis & Stergiou (1995)
Mullus barbatus	C. Aegean Sea	C	1990-91	C	T	TL	0.0000064	0.0096645	3.179	0.99	1836	6	23	Vassilopoulou & Papaconstantinou (1992a)
Mullus barbatus	C. Aegean Sea	C	1990	JU	T	TL	0.0000119	0.0131688	3.044	0.96	610	9.8	17.5	Vassilopoulou & Papaconstantinou (1992a)
Mullus barbatus	C. Aegean Sea	C	1990	SE	T	TL	0.0000077	0.010678	3.142	0.92	316	6.5	19.5	Vassilopoulou & Papaconstantinou (1992a)
Mullus barbatus	C. Aegean Sea	C	1990	DE	T	TL	0.0000074	0.0105982	3.156	0.98	472	7.5	17.5	Vassilopoulou & Papaconstantinou (1992a)
Mullus barbatus	C. Aegean Sea	C	1991	MA	T	TL	0.0000038	0.0073754	3.288	0.99	438	7.5	17.5	Vassilopoulou & Papaconstantinou (1992a)
Mullus barbatus	G. Evvoikos [6]	F	1986-87	C	T	FL	0.000004	0.0076218	3.28	0.97	-	6	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	M	1986-87	C	T	FL	0.000005	0.0084912	3.23	0.97	-	6	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1986-87	C	T	FL	0.000005	0.008689	3.24	0.94	3086	6	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	F	1987-88	C	T	FL	0.000006	0.0099575	3.22	0.97	-	7	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	M	1987-88	C	T	FL	0.00001	0.0128825	3.11	0.97	-	7	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1987-88	C	T	FL	0.000008	0.0118329	3.17	0.97	2416	7	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1986	SE	T	FL	0.000005	0.0088302	3.247	0.97	853	7	20	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1986	DE	T	FL	0.000006	0.0099575	3.22	0.96	339	7	22	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1987	MAY	T	FL	0.000003	0.0073641	3.39	0.96	752	7	23	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1987	JU	T	FL	0.000003	0.0061252	3.31	0.96	774	9	21	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1987	SE	T	FL	0.00001	0.0123027	3.09	0.95	568	9	20	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1987	DE	T	FL	0.000008	0.0118329	3.17	0.95	770	7	20	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1988	MA	T	FL	0.000004	0.007981	3.3	0.96	582	6	20	Papaconstantinou et al. (1989)
Mullus barbatus	G. Evvoikos [6]	C	1988	JU	T	FL	0.00001	0.0131826	3.12	0.94	496	8	22	Papaconstantinou et al. (1989)
Mullus surmuletus	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0176	0.0176	2.9	0.92	42	14	32	Moutopoulos & Stergiou (1998) **

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Mullus surmuletus	Kyclades	C	1997-98	C	G/H	TL	0.01404	0.01404	2.954	0.94	257	13.8	32	Moutopoulos & Stergiou (2000) **
Mullus surmuletus	C. Aegean Sea	M	1991	C	T	FL	0.0000051	0.0087412	3.234	0.93	172	-	-	Papaconstantinou et al. (1993)
Mullus surmuletus	C. Aegean Sea	F	1991	C	T	FL	0.0000056	0.0094883	3.229	0.98	98	-	-	Papaconstantinou et al. (1993)
Mullus surmuletus	C. Aegean Sea	C	1991	C	T	FL	0.0000042	0.0081517	3.288	0.97	330	8.4	24.4	Papaconstantinou et al. (1993)
Mullus surmuletus	C. Aegean Sea	M	1992	C	T	FL	0.0000268	0.0214356	2.903	0.89	222	-	-	Papaconstantinou et al. (1993)
Mullus surmuletus	C. Aegean Sea	F	1992	C	T	FL	0.0000132	0.0147766	3.049	0.96	149	-	-	Papaconstantinou et al. (1993)
Mullus surmuletus	C. Aegean Sea	C	1992	C	T	FL	0.0000138	0.0150272	3.037	0.94	390	7.4	24.4	Papaconstantinou et al. (1993)
Mullus surmuletus	N. Aegean Sea	C	1992-93	C	T	FL	0.0000082	0.0115562	3.149	0.96	292	7	24	Papaconstantinou et al. (1994)
Mullus surmuletus	C. Aegean Sea	M	1990-91	C	T	TL	0.0000051	0.0090993	3.254	0.97	451	10	20	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	F	1990-91	C	T	TL	0.0000056	0.0094713	3.229	0.99	336	9	26	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	M	1990	JU	T	TL	0.0000137	0.0154071	3.051	-	69	11.6	18.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	M	1990	SE	T	TL	0.0011811	0.1734949	2.167	-	8	12.6	18.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	M	1990	DE	T	TL	0.0000053	0.0094032	3.249	-	63	10.6	21.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	M	1991	MA	T	TL	0.0000236	0.0205075	2.939	-	32	12.6	18.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	F	1990	JU	T	TL	0.0000135	0.0151822	3.051	-	38	11.6	18.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	F	1990	SE	T	TL	0.0000082	0.0117981	3.158	-	3	13.6	23.6	Vassilopoulou & Papaconstantinou(1992b)
Mullus surmuletus	C. Aegean Sea	F	1990	DE	T	TL	0.0000092	0.0126121	3.137	-	36	9.6	24.6	Vassilopoulou & Papaconstantinou (1992b)
Mullus surmuletus	C. Aegean Sea	F	1991	MA	T	TL	0.0000017	0.004994	3.468	-	21	10.6	24.6	Vassilopoulou & Papaconstantinou
Mullus surmuletus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000009	0.0124235	3.14	0.97	307	10.1	20.1	Petrakis & Stergiou (1995)
Oblada melanura	Kyclades	C	1997-98	C	G/H	TL	0.02185	0.02185	2.831	0.96	90	14.2	28.9	Moutopoulos & Stergiou (2000) **
Pagellus acarne	Kyclades	C	1997-98	C	G/H	TL	0.01501	0.01501	2.933	0.97	96	15.3	62.6	Moutopoulos & Stergiou (2000) **
Pagellus acarne	G. Evvoikos [6]	C	1986-87	C	T	FL	0.000003	0.0067939	3.355	0.99	1075	8	22	Papaconstantinou et al. (1989)
Pagellus acarne	G. Evvoikos [6]	C	1987-88	C	T	FL	0.000003	0.0071965	3.38	0.98	1428	7	25	Papaconstantinou et al. (1989)
Pagellus acarne	G. Evvoikos [6]	M	1986-87	C	T	FL	0.000003	0.0067162	3.35	0.99	-	8	22	Papaconstantinou et al. (1989)
Pagellus acarne	G. Evvoikos [6]	M	1987-88	C	T	FL	0.000001	0.0032211	3.508	0.98	-	8	22	Papaconstantinou et al. (1989)
Pagellus acarne	G. Evvoikos [6]	F	1986-87	C	T	FL	0.00001	0.0153109	3.185	0.99	-	10	25	Papaconstantinou et al. (1989)
Pagellus acarne	G. Evvoikos [6]	F	1987-88	C	T	FL	0.000003	0.0066393	3.345	0.99	-	10	25	Papaconstantinou et al. (1989)
Pagellus acarne	G. S. Evvoikos	C	1992-93	C	B	FL	0.000005	0.0093534	3.272	0.94	138	9.9	18.3	Petrakis & Stergiou (1995)
Pagellus bogaraveo	N. Aegean Sea	C	1992-93	C	T	FL	0.0000251	0.0211677	2.926	0.92	694	7	17.5	Papaconstantinou et al. (1994)
Pagellus erythrinus	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0209	0.0209	2.814	0.984	170	14.1	37.6	Moutopoulos & Stergiou (1998) **
Pagellus erythrinus	Kyclades	C	1997-98	C	G/H	TL	0.0231	0.0231	2.778	0.97	685	13.1	37.6	Moutopoulos & Stergiou (2000) **
Pagellus erythrinus	Kyclades	C	1997-98	AUT	G/H	TL	0.02442	0.02442	2.762	0.97	124	14.1	33.3	Moutopoulos & Stergiou (2000) **
Pagellus erythrinus	Kyclades	C	1997-98	WI	G/H	TL	0.01779	0.01779	2.86	0.99	106	14.7	37.6	Moutopoulos & Stergiou (2000) **
Pagellus erythrinus	Kyclades	C	1998	SP	G/H	TL	0.02809	0.02809	2.715	0.96	205	14.6	34.2	Moutopoulos & Stergiou (2000) **
Pagellus erythrinus	Kyclades	C	1998	SU	G/H	TL	0.02402	0.02402	2.761	0.96	250	13.1	31.7	Moutopoulos & Stergiou (2000) **
Pagellus erythrinus	G. Evvoikos [6]	C	1986-87	C	T	TL	0.0000151	0.01671	3.044	0.98	914	4.2	43	Mytilineou (1988)
Pagellus erythrinus	G. Evvoikos [6]	M	1986-87	C	T	TL	0.0000116	0.0144696	3.096	0.99	146	-	-	Mytilineou (1988)
Pagellus erythrinus	G. Evvoikos [6]	F	1986-87	C	T	TL	0.0000135	0.0158246	3.069	0.99	768	-	-	Mytilineou (1988)
Pagellus erythrinus	G. Pagassitikos	F	1977-78	C	T	FL	0.000012	0.0146616	3.087	0.97	494	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	F	1977-78	SP	T	FL	0.000004	0.0079079	3.296	0.988	141	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	F	1977-78	SU	T	FL	0.000015	0.0170644	3.056	0.978	158	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	F	1977-78	AUT	T	FL	0.000083	0.0423719	2.708	0.945	118	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	F	1977-78	WI	T	FL	0.000008	0.0116437	3.163	0.988	77	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	M	1977-78	C	T	FL	0.000007	0.0107176	3.185	0.985	58	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	M	1977-78	SP	T	FL	0.000007	0.0109169	3.193	0.996	22	-	-	Papaconstantinou (1984a)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Pagellus erythrinus	G. Pagassitikos	M	1977-78	SU	T	FL	0.000012	0.0144272	3.08	0.996	13	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Pagassitikos	M	1977-78	AUT	T	FL	0.000001	0.0033037	3.519	0.938	21	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	F	1977-78	C	T	FL	0.000046	0.0305322	2.822	0.955	673	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	F	1977-78	SP	T	FL	0.000012	0.0148314	3.092	0.991	292	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	F	1977-78	SU	T	FL	0.000008	0.0123052	3.187	0.994	106	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	F	1977-78	AUT	T	FL	0.000017	0.0178012	3.02	0.989	253	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	F	1977-78	WI	T	FL	0.000015	0.0171432	3.058	0.992	178	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	M	1977-78	C	T	FL	0.000017	0.0179659	3.024	0.99	222	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	M	1977-78	SP	T	FL	0.000018	0.0188918	3.021	0.986	65	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	M	1977-78	SU	T	FL	0.00001	0.0134276	3.128	0.997	30	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	M	1977-78	AUT	T	FL	0.000027	0.0228751	2.928	0.989	85	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Saronikos	M	1977-78	WI	T	FL	0.000011	0.0142362	3.112	0.991	42	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	F	1977-78	C	T	FL	0.000013	0.0156655	3.081	0.989	624	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	F	1977-78	SP	T	FL	0.00001	0.0136144	3.134	0.993	208	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	F	1977-78	SU	T	FL	0.00003	0.0244411	2.911	0.964	122	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	F	1977-78	AUT	T	FL	0.000036	0.0273088	2.88	0.972	134	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	F	1977-78	WI	T	FL	0.000016	0.0175033	3.039	0.991	160	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	M	1977-78	C	T	FL	0.000018	0.0185043	3.012	0.974	57	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	M	1977-78	SP	T	FL	0.000021	0.0197342	2.973	0.995	9	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	M	1977-78	SU	T	FL	0.000047	0.0311242	2.821	0.928	15	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	M	1977-78	AUT	T	FL	0.000014	0.0162978	3.066	0.965	12	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	G. Thermaikos	M	1977-78	WI	T	FL	0.000053	0.0344569	2.813	0.955	21	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	F	1977-78	C	T	FL	0.00004	0.028778	2.857	0.973	365	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	F	1977-78	SP	T	FL	0.000021	0.0202404	2.984	0.967	99	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	F	1977-78	SU	T	FL	0.000031	0.0251398	2.909	0.973	55	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	F	1977-78	AUT	T	FL	0.000047	0.0316299	2.828	0.979	147	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	F	1977-78	WI	T	FL	0.000023	0.0216136	2.973	0.99	64	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	M	1977-78	C	T	FL	0.000035	0.0265502	2.88	0.945	48	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	M	1977-78	SP	T	FL	0.000021	0.0204277	2.988	0.995	18	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	M	1977-78	SU	T	FL	0.000025	0.0223326	2.951	0.985	9	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Thracian Sea	M	1977-78	AUT	T	FL	0.000129	0.0541489	2.623	0.747	18	-	-	Papaconstantinou (1984a)
Pagellus erythrinus	Ionian Sea	M	1983-85	C	T	TL	0.000025	0.0213767	2.932	0.976	109	6	26	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1983-85	C	T	FL	0.000014	0.0154216	3.042	0.987	820	6	26	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1983	JU	T	FL	0.00008	0.0390023	2.688	0.97	32	5	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1983	JU	T	FL	0.00001	0.0128825	3.11	0.985	228	5	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1983	SE	T	FL	0.000006	0.0103789	3.238	0.988	14	9	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1983	SE	T	FL	0.000007	0.0111455	3.202	0.991	73	9	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1983	NO	T	FL	0.000006	0.0099118	3.218	0.988	92	4	23	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1984	MA	T	FL	0.000082	0.0414776	2.704	0.972	10	5	26	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1984	MA	T	FL	0.000021	0.0190204	2.957	0.981	66	5	26	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1984	JU	T	FL	0.000013	0.0153795	3.073	0.992	10	5	25	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1984	JU	T	FL	0.000043	0.0282793	2.818	0.991	97	5	25	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1984	SE	T	FL	0.000005	0.0088505	3.248	0.987	25	-	-	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1984	SE	T	FL	0.000012	0.0140663	3.069	0.99	43	-	-	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1984	DE	T	FL	0.000031	0.0241191	2.891	0.995	82	4	20	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	M	1985	MA	T	FL	0.000015	0.016147	3.032	0.993	12	6	24	Papaconstantinou et al. (1988a)
Pagellus erythrinus	Ionian Sea	F	1985	MA	T	FL	0.0000293	0.0237612	2.909	0.986	139	6	24	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	M	1983-85	C	T	FL	0.000011	0.0139763	3.104	0.986	23	9	27	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	F	1983-85	C	T	FL	0.000368	0.0985934	2.428	0.989	189	9	27	Papaconstantinou et al. (1988a)
Pagellus erythrinus[7]	G. Korinthiakos	M	1983	JU	T	FL	0.000001	0.0023933	3.379	0.985	7	9	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	F	1983	JU	T	FL	0.000018	0.018805	3.019	0.994	42	9	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	F	1983	SE	T	FL	0.00001	0.0136773	3.136	0.996	34	13	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus[7]	G. Korinthiakos	M	1983	NO	T	FL	0.00002	0.0276077	3.14	0.98	7	12	16	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	F	1984	MA	T	FL	0.000034	0.0276362	2.91	0.976	14	11	12	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Korinthiakos	F	1984	JU	T	FL	0.000028	0.0233431	2.921	0.985	14	10	16	Papaconstantinou et al. (1988a)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Pagellus erythrinus	G. Korinthiakos	F	1985	MA	T	FL	0.000016	0.0177468	3.045	0.991	44	14	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	M	1983-85	C	T	FL	0.000013	0.0145527	3.049	0.978	73	7	25	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1983-85	C	T	FL	0.00002	0.0187945	2.973	0.988	443	7	25	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	M	1983	JU	T	FL	0.000003	0.0062247	3.317	0.974	27	8	22	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1983	JU	T	FL	0.000023	0.0194414	2.927	0.985	153	8	22	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	M	1983	SE	T	FL	0.000038	0.0272762	2.856	0.99	26	4	18	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1983	SE	T	FL	0.000008	0.0119149	3.173	0.993	112	4	18	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1983	NO	T	FL	0.00002	0.0193656	2.986	0.989	7	5	21	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1984	MA	T	FL	0.000005	0.009375	3.273	0.972	25	8	14	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1984	JU	T	FL	0.000011	0.0140408	3.106	0.995	22	6	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	M	1984	SE	T	FL	0.000011	0.0135954	3.092	0.979	10	9	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1984	SE	T	FL	0.000008	0.0114312	3.155	0.995	37	9	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1984	DE	T	FL	0.000036	0.0264425	2.866	0.992	45	6	16	Papaconstantinou et al. (1988a)
Pagellus erythrinus	G. Patraikos	F	1985	MA	T	FL	0.000008	0.0120251	3.177	0.984	42	4	19	Papaconstantinou et al. (1988a)
Pagellus erythrinus	W. Greece	M	1983-85	C	T	FL	0.000016	0.0169481	3.025	0.975	220	4.3	32.2	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	C	T	FL	0.00002	0.0190559	2.979	0.984	1572	4.3	32.2	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	M	1983-85	SP	T	FL	0.000036	0.0273088	2.88	0.995	34	7.8	27.2	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	M	1983-85	SU	T	FL	0.000016	0.0167541	3.02	0.977	77	5.7	26.8	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	M	1983-85	AUT	T	FL	0.000007	0.0110943	3.2	0.983	85	13	23.5	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	M	1983-85	WI	T	FL	0.000009	0.0121407	3.13	0.997	15	9.5	22	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	SP	T	FL	0.000011	0.0141707	3.11	0.985	105	7.3	32.2	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	SU	T	FL	0.000012	0.0140988	3.07	0.966	420	8	30.3	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	AUT	T	FL	0.000007	0.0108417	3.19	0.986	220	8.7	21.6	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	WI	T	FL	0.000007	0.0103538	3.17	0.982	140	9	21.7	Papaconstantinou et al. (1988c)
Pagellus erythrinus	W. Greece	F	1983-85	WI	T	FL	0.000006	0.0099575	3.22	0.99	27	13	22.8	Papaconstantinou et al. (1988c)
Pagellus erythrinus[7]	G. Evvoikos [6]	C	1986-88	C	T	FL	0.0000014	0.0056251	3.604	0.99	2663	4	43	Papaconstantinou et al. (1989)
Pagellus erythrinus	G. Evvoikos [6]	C	1986-87	C	T	FL	0.000014	0.0160372	3.059	0.99	1217	4	32	Papaconstantinou et al. (1989)
Pagellus erythrinus	G. Evvoikos [6]	C	1987-88	C	T	FL	0.000013	0.0152737	3.07	0.98	1446	6	32	Papaconstantinou et al. (1989)
Pagellus erythrinus	G. Evvoikos [6]	M	1986-88	C	T	FL	0.00001	0.0130617	3.116	0.99	294	10	36	Papaconstantinou et al. (1989)
Pagellus erythrinus	G. Evvoikos [6]	F	1986-88	C	T	FL	0.000014	0.0158536	3.054	0.98	1669	4	43	Papaconstantinou et al. (1989)
Pagellus erythrinus	C. Aegean Sea	C	1991	C	T	FL	0.0000415	0.0285133	2.837	0.95	526	5	27	Papaconstantinou et al. (1993)
Pagellus erythrinus	C. Aegean Sea	C	1992	C	T	FL	0.0000227	0.0207504	2.961	0.95	307	4	23	Papaconstantinou et al. (1993)
Pagellus erythrinus	N. Aegean Sea	F	1992-93	C	T	FL	0.0000842	0.0433823	2.712	0.91	56	-	-	Papaconstantinou et al. (1994)
Pagellus erythrinus	N. Aegean Sea	M	1992-93	C	T	FL	0.0000166	0.0176648	3.027	0.95	385	-	-	Papaconstantinou et al. (1994)
Pagellus erythrinus	N. Aegean Sea	C	1992-93	C	T	FL	0.0000251	0.0221143	2.945	0.95	461	7	26	Papaconstantinou et al. (1994)
Pagellus erythrinus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000017	0.0181321	3.028	0.98	292	9.7	29.3	Petrakis & Stergiou (1995)
Pagellus erythrinus	G. Saronikos	M	-	C	T	FL	0.000018	0.0182504	3.006	0.96	216	7	33	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	F	-	C	T	FL	0.000013	0.0155218	3.077	0.98	833	5	27	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	M	-	AUT	T	FL	0.000029	0.0233023	2.905	0.92	86	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	F	-	AUT	T	FL	0.000016	0.0173828	3.036	0.98	258	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	M	-	WI	T	FL	0.000012	0.0145942	3.085	0.99	43	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	F	-	WI	T	FL	0.000011	0.0142034	3.111	0.98	184	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	M	-	SP	T	FL	0.000018	0.018979	3.023	0.96	62	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	F	-	SP	T	FL	0.000012	0.015388	3.108	0.98	296	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	G. Saronikos	M	-	SU	T	FL	0.000008	0.0118875	3.172	0.99	31	-	-	Vassilopoulou & Papaconstantinou (1990)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Pagellus erythrinus	G. Saronikos	F	-	SU	T	FL	0.000009	0.0126836	3.149	0.99	95	-	-	Vassilopoulou & Papaconstantinou (1990)
Pagellus erythrinus	Ionian Sea	C	1975-76	C	T	FL	0.0000257	0.0218742	2.93	0.92	1311	4	24	Vassilopoulou et al. (1986)
Pagellus erythrinus	G. Saronikos	C	1975-76	C	T	FL	0.000027	0.0229807	2.93	0.97	709	4	24	Vassilopoulou et al. (1986)
Pagrus pagrus	Kyclades	C	1997-98	C	G/H	TL	0.0152	0.0152	3.005	0.98	35	13	51.7	Moutopoulos & Stergiou (2000) **
Pagrus pagrus	Kastellorizo Island	F	1985-86	AP	G/H	FL	0.0000246	0.02404	2.99	0.99	40	10	40	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	C	1985-86	AP	G/H	FL	0.000024	0.024559	3.01	0.99	40	10	40	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	F	1985-86	JU	G/H	FL	0.000015	0.0176235	3.07	0.99	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	M	1985-86	JU	G/H	FL	0.00106	0.1928883	2.26	0.96	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	C	1985-86	JU	G/H	FL	0.0000162	0.0186001	3.06	0.98	38	14	36	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	F	1985-86	OC	G/H	FL	0.0000214	0.0218985	3.01	0.99	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	M	1985-86	OC	G/H	FL	0.0000273	0.0254778	2.97	0.98	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	C	1985-86	OC	G/H	FL	0.000036	0.0299435	2.92	0.99	13	18	30	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	F	1985-86	MA	G/H	FL	0.0000181	0.0193945	3.03	0.98	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	M	1985-86	MA	G/H	FL	0.0000369	0.0299934	2.91	0.99	-	-	-	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	C	1985-86	MA	G/H	FL	0.0000267	0.0243507	2.96	0.99	32	18	48	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	F	1985-86	JL	G/H	FL	0.0000088	0.0126765	3.16	0.97	19	20	36	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	C	1985-86	JL	G/H	FL	0.000006	0.0097795	3.21	0.96	19	20	36	Papaconstantinou et al. (1988b)
Pagrus pagrus	Kastellorizo Island	M	1985-86	C	T	FL	0.0000343	0.0285295	2.92	0.99	23	13.3	41.8	Vassilopoulou (1989)
Pagrus pagrus	Kastellorizo Island	F	1985-86	C	T	FL	0.0000193	0.0202096	3.02	0.98	95	13.3	41.8	Vassilopoulou (1989)
Pagrus pagrus	Kastellorizo Island	C	1985-86	C	T	FL	0.0000241	0.0230153	2.98	0.98	142	13.3	41.8	Vassilopoulou (1989)
Pagrus pagrus	Kastellorizo Island	F	1985-86	C	G/H	FL	0.000033	0.0279585	2.928	0.98	-	10	46	Vassilopoulou & Papaconstantinou (1992c)
Pagrus pagrus	Kastellorizo Island	M	1985-86	C	G/H	FL	0.00004	0.0315544	2.897	0.99	-	10	46	Vassilopoulou & Papaconstantinou (1992c)
Phycis blennoides	C. Aegean Sea	C	1991	C	T	TL	0.000002	0.0034596	3.238	0.97	505	6.4	50	Papaconstantinou et al. (1993)
Phycis blennoides	C. Aegean Sea	C	1992	C	T	TL	0.0000026	0.0040736	3.195	0.97	532	6.4	46.4	Papaconstantinou et al. (1993)
Phycis phycis	Kastellorizo Island	C	1985-86	C	G/H	TL	0.00001	0.0100231	3.001	-	270	18	52	Papaconstantinou et al. (1988b)
Raja miraletus	Kyclades	C	1997-98	C	G/H	TL	0.00246	0.00246	3.291	0.94	16	25.6	49.3	Moutopoulos & Stergiou (2000) **
Raja radula	Kyclades	C	1997-98	C	G/H	TL	0.00515	0.00515	3.07	0.98	25	20.4	68.2	Moutopoulos & Stergiou (2000) **
Sardina pilchardus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000033	0.018729	2.754	0.82	82	11.8	17.2	Petrakis & Stergiou (1995)
Sardina pilchardus	G. Thermaikos	C	1996-97	C	P	TL	0.005918	0.005918	3.112	0.8	1000	8.9	20.3	Voulgaridou (1997) **
Sardina pilchardus	G. Thermaikos	M	1996-97	C	P	TL	0.003515	0.003515	3.301	0.73	344	-	-	Voulgaridou (1997) **
Sardina pilchardus	G. Thermaikos	F	1996-97	C	P	TL	0.005756	0.005756	3.12	0.9	467	-	-	Voulgaridou (1997) **
Sardina pilchardus	G. Thermaikos	C	1996-97	C	P	TL	0.005918	0.005918	3.11	0.8	1000	8.9	20.3	Voulgaridou (1997) **
Sardina pilchardus	G. Thermaikos	C	1996	JU-DE	B	TL	0.0071	0.0071	3.06	0.87	650	-	-	Voulgaridou & Stergiou (1997) **
Sardina pilchardus	G. Thermaikos	C	1996-98	C	B	TL	0.006876	0.006876	3.05	0.85	2500	-	-	Voulgaridou & Stergiou (1999) **
Sardinella aurita	Kyclades	C	1997-98	C	G/H	TL	0.01571	0.01571	2.804	0.86	18	23.2	29	Moutopoulos & Stergiou (2000) **
Sardinella aurita	G. S. Evvoikos	C	1992-93	C	B	FL	0.000026	0.0179876	2.84	0.89	24	16.2	22	Petrakis & Stergiou (1995)
Sarpa salpa	Kyclades	C	1997-98	C	G/H	TL	0.01445	0.01445	2.946	0.98	48	14.9	25.1	Moutopoulos & Stergiou (2000) **
Scomber japonicus	Kyclades	C	1997-98	C	G/H	TL	0.00085	0.00085	3.704	0.94	46	22.9	33	Moutopoulos & Stergiou (2000) **
Scomber japonicus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000013	0.0120488	2.967	0.97	57	18.7	29.6	Petrakis & Stergiou (1995)
Scomber scombrus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000002	0.0044569	3.348	0.95	24	16.7	29	Petrakis & Stergiou (1995)
Scorpaena notata	G. S. Evvoikos	C	1992-93	C	B	TL	0.000073	0.0389334	2.727	0.97	15	9.6	20.6	Petrakis & Stergiou (1995)
Scorpaena porcus	Kyclades	C	1997-98	C	G/H	TL	0.02356	0.02356	2.887	0.95	231	11.5	40.5	Moutopoulos & Stergiou (2000) **
Scorpaena porcus	G. S. Evvoikos	C	1992-93	C	B	TL	0.000042	0.0290569	2.84	0.97	100	7	23.5	Petrakis & Stergiou (1995)
Scorpaena scrofa	Kyclades	C	1997-98	C	G/H	TL	0.01692	0.01692	2.999	0.98	37	10.7	32.2	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	Kyclades	C	1997-98	AUT-WI	G/H	TL	0.0107	0.0107	3.001	0.949	148	10.4	21.9	Moutopoulos & Stergiou (1998) **
Serranus cabrilla	Kyclades	C	1997-98	C	G/H	TL	0.01867	0.01867	2.805	0.93	466	9.5	25.1	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	Kyclades	C	1997-98	AUT	G/H	TL	0.01262	0.01262	2.955	0.97	121	10.7	24.3	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	Kyclades	C	1997-98	WI	G/H	TL	0.01352	0.01352	2.914	0.92	99	10.4	21.9	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	Kyclades	C	1998	SP	G/H	TL	0.03258	0.03258	2.601	0.88	84	11.2	25.1	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	Kyclades	C	1998	SU	G/H	TL	0.02074	0.02074	2.767	0.93	162	9.5	24.3	Moutopoulos & Stergiou (2000) **
Serranus cabrilla	N. Aegean Sea	C	1992-93	C	T	FL	0.0000521	0.0276591	2.725	0.9	665	9.6	25.8	Papaconstantinou et al. (1994)
Serranus cabrilla	G. S. Evvoikos	C	1992-93	C	B	TL	0.000022	0.0185961	2.927	0.96	54	7.7	18.2	Petrakis & Stergiou (1995)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Serranus hepatus	G. Thermaikos	C	1990-93	C	T	TL	0.00228	0.1769843	1.89	0.74	1290	5	12.7	Wague (1997)
Serranus scriba	Kyclades	C	1997-98	C	G/H	TL	0.0095	0.0095	3.122	0.92	75	11.5	24.1	Moutopoulos & Stergiou (2000) **
Serranus scriba	G. S. Evvoikos	C	1992-93	C	B	TL	0.000022	0.0184681	2.924	0.98	70	5.8	17.8	Petrakis & Stergiou (1995)
Siganus luridus	Kastellorizo Island	M	1985-86	C	G/H	TL	0.000058	0.0335296	2.762	-	166	14	28	Papaconstantinou et al. (1988b)
Siganus luridus	Kastellorizo Island	F	1985-86	C	G/H	TL	0.000013	0.0142542	3.04	-	118	14	28	Papaconstantinou et al. (1988b)
Sparisoma cretense	Kyclades	C	1997-98	C	G/H	TL	0.00568	0.00568	3.311	0.98	22	20.1	35	Moutopoulos & Stergiou (2000) **
Sparisoma cretense	Kastellorizo Island	C	1985-86	C	T	TL	0.00001	0.011272	3.052	0.985	372	10	32.5	Petrakis & Papaconstantinou (1990)
Sparus aurata	Etolikon Lagoons	C	1983-84	C	G/H	SL	0.02263	0.02263	3.032	0.98	240	-	-	Klaoudatos & Apostolopoulos (1986) **.
Sphyraena sphyraena	G. S. Evvoikos	C	1992-93	C	B	FL	0.00031	0.0647682	2.32	0.96	22	33.5	49.8	Petrakis & Stergiou (1995)
Spicara flexuosa	G. Patraikos	F	1984-85	WI	T	FL	0.0000075	0.0098606	3.12	0.95	212	6.5	15.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	M	1984-85	WI	T	FL	0.0000034	0.0065905	3.29	0.97	131	7.5	15	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	F	1984-85	SP	T	FL	0.0000373	0.022999	2.79	0.94	516	7	12.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	M	1984-85	SP	T	FL	0.0000063	0.0092592	3.17	0.98	176	8	15.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	F	1984-85	SU	T	FL	0.0000112	0.0122806	3.04	0.96	230	7	13.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	M	1984-85	SU	T	FL	0.0000128	0.0137154	3.03	0.97	243	7.5	15.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	F	1984-85	AUT	T	FL	0.0000379	0.022837	2.78	0.93	108	7	14	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	M	1984-85	AUT	T	FL	0.000025	0.0189644	2.88	0.94	45	9	14.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	F	1984-85	C	T	FL	0.0000114	0.0124999	3.04	0.95	628	7	15.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. Patraikos	M	1984-85	C	T	FL	0.0000084	0.0108712	3.112	0.96	359	7.5	15.5	Mytilineou & Papaconstantinou (1991)
Spicara flexuosa	G. S. Evvoikos	C	1992-93	C	B	FL	0.000002	0.0048981	3.389	0.97	441	11.9	17.7	Petrakis & Stergiou (1995)
Spicara maena	Kyclades	C	1997-98	C	G/H	TL	0.0104	0.0104	3.096	0.88	808	14.3	26	Moutopoulos & Stergiou (2000) **
Spicara maena	Kyclades	C	1998	SP	G/H	TL	0.0089	0.0089	3.155	0.89	721	14.3	23.5	Moutopoulos & Stergiou (2000) **
Spicara maena	Kyclades	C	1998	SU	G/H	TL	0.03562	0.03562	2.627	0.67	61	15.5	21	Moutopoulos & Stergiou (2000) **
Spicara maena	G. S. Evvoikos	C	1992-93	C	B	FL	0.000083	0.0382013	2.663	0.9	33	11.7	18.4	Petrakis & Stergiou (1995)
Spicara smaris	G. Saronikos	C	1986	AUT-SP	T	TL	0.0000413	0.020704	2.7	-	-	10.8	20.3	Tsangridis & Filipoussis (1989)
Spicara smaris	G. Saronikos	M	1986	AUT-SP	T	TL	0.0000277	0.0167475	2.781	-	-	-	-	Tsangridis & Filipoussis (1989)
Spicara smaris	G. Saronikos	F	1986	AUT-SP	T	TL	0.0000222	0.0148856	2.827	-	-	-	-	Tsangridis & Filipoussis (1989)
Spicara smaris	Crete Island	C	1988-91	C	T	TL	0.0000046	0.0074166	3.212	0.985	7302	6	18.5	Vidalis (1994)
Spicara smaris	Crete Island	M	1988-91	C	T	TL	0.0000055	0.0080791	3.167	0.953	1493	8	18.5	Vidalis (1994)
Spicara smaris	Crete Island	F	1988-91	C	T	TL	0.0000039	0.0068875	3.247	0.985	5809	6	17	Vidalis (1994)
Spicara smaris	G. S. Evvoikos	C	1992-93	C	B	FL	0.000013	0.0126166	2.987	0.97	123	7.7	18.5	Petrakis & Stergiou (1995)
Spondyliosoma cantharus	Kyclades	C	1997-98	C	G/H	TL	0.01772	0.01772	2.951	0.97	53	12.6	39.6	Moutopoulos & Stergiou (2000) **
Spondyliosoma cantharus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000048	0.0339032	2.849	0.99	48	7.4	15.8	Petrakis & Stergiou (1995)
Symphodus cinereus	G. S. Evvoikos	C	1992-93	C	B	TL	0.000001	0.0033189	3.521	0.91	48	5.4	8.8	Petrakis & Stergiou (1995)
Symphodus mediterraneus	G. S. Evvoikos	C	1992-93	C	B	TL	0.000014	0.0143922	3.012	0.94	19	6.3	13.6	Petrakis & Stergiou (1995)
Symphodus occelatus	G. S. Evvoikos	C	1992-93	C	B	TL	0.000005	0.0083171	3.221	0.96	31	4.4	9.9	Petrakis & Stergiou (1995)
Symphodus rostratus	G. S. Evvoikos	C	1992-93	C	B	TL	0.000001	0.003062	3.486	0.94	70	8	12	Petrakis & Stergiou (1995)
Symphodus tinca	Kyclades	C	1997-98	C	G/H	TL	0.02782	0.02782	2.733	0.91	132	14.7	23.7	Moutopoulos & Stergiou (2000) **
Symphodus tinca	G. S. Evvoikos	C	1992-93	C	B	TL	0.000011	0.0128645	3.068	0.97	31	12.7	20.8	Petrakis & Stergiou (1995)
Symphurus ligulatus	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.00296	0.00296	3.194	0.61	73	6.3	10.8	Stergiou & Politou (1995) **
Synodus saurus	Kyclades	C	1997-98	C	G/H	TL	0.02	0.02	2.715	0.95	25	16	39.6	Moutopoulos & Stergiou (2000) **
Thunnus alalunga	Hellenic Seas	C	1986	C	H	FL	0.0000418	0.04183	2.8	0.97	868	55	81.1	De Metrio et al. (1989b) ***
Thunnus alalunga	Aegean Sea	C	1986	C	H	FL	0.0000356	0.03561	2.84	0.97	501	54.5	81.8	Megalofonou (1991) ***

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Thunnus alalunga	Aegean Sea	C	1987	C	H	FL	0.0000332	0.03317	2.86	0.94	379	58.2	81.7	Megalofonou (1991) ***
Thunnus alalunga	Aegean Sea	C	1989	C	H	FL	0.0000562	0.05618	2.74	0.94	496	58.7	89	Megalofonou (1991) ***
Thunnus alalunga	Aegean Sea	M	C	C	H	FL	0.0000434	0.04344	2.8	0.96	164	58.7	87	Megalofonou (1991) ***
Thunnus alalunga	Aegean Sea	F	C	C	H	FL	0.0000418	0.04178	2.81	0.95	87	61.5	77	Megalofonou (1991) ***
Thunnus alalunga	Aegean Sea	C	C	C	H	FL	0.0000312	0.03119	2.88	0.96	1742	55.5	89	Megalofonou (1991) ***
Thunnus alalunga	Aegean Sea	M	1989-93	AUT	H	FL	0.0000529	0.0529	2.75	0.97	598	60.2	88	Megalofonou (1998) ***
Thunnus alalunga	Aegean Sea	F	1989-93	AUT	H	FL	0.0000453	0.0453	2.79	0.94	257	57.9	86	Megalofonou (1998) ***
Thunnus alalunga	Aegean Sea	C	1989-93	AUT	H	FL	0.0000803	0.0803	2.65	0.93	1583	58.5	92	Megalofonou (1998) ***
Thunnus alalunga	Ionian Sea	M	1989-93	AUT	H	FL	0.0000488	0.0488	2.76	0.9	214	59	84	Megalofonou (1998) ***
Thunnus alalunga	Ionian Sea	F	1989-93	AUT	H	FL	0.0000965	0.0965	2.6	0.91	227	53	122	Megalofonou (1998) ***
Thunnus alalunga	Ionian Sea	C	1989-93	AUT	H	FL	0.000106	0.106	2.58	0.9	1349	44	122	Megalofonou (1998) ***
Thunnus alalunga	Hellenic Seas	C	1989-93	AUT	H	FL	0.0000658	0.0658	2.69	0.93	2932	44	122	Megalofonou (1998) ***
Thunnus thynnus	Hellenic Seas	C	1986-87	C	H	FL	0.0000921	0.09213	2.61	0.93	100	60	103.6	Lefkaditou et al. (1989) ***
Trachinus araneus	Kyclades	C	1997-98	C	G/H	TL	0.02854	0.02854	2.662	0.98	15	16.5	39	Moutopoulos & Stergiou (2000) **
Trachinus draco	Kyclades	C	1997-98	C	G/H	TL	0.00441	0.00441	3.12	0.96	85	14.5	32	Moutopoulos & Stergiou (2000) **
Trachinus radiatus	Kyclades	C	1997-98	C	G/H	TL	0.01271	0.01271	2.897	0.94	24	15.4	40.4	Moutopoulos & Stergiou (2000) **
Trachurus trachurus	Kyclades	C	1997-98	C	G/H	TL	0.00339	0.00339	3.273	0.96	12	15.8	28	Moutopoulos & Stergiou (2000) **
Trachurus trachurus	G. Saronikos	C	1990	C	T	TL	0.0061	0.0061	3.07	0.968	1193	6.5	33.9	Karlou-Riga & Sinis (1995) **
Trachurus trachurus	G. Saronikos	C	1990	DE-MAY	T	TL	0.0067	0.0067	3.04	0.977	715	7	34	Karlou-Riga (1995) **
Trachurus trachurus	G. Saronikos	C	1990	JU-NO	T	TL	0.0051	0.0051	3.13	0.954	478	11	37	Karlou-Riga (1995) **
Trachurus trachurus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000002	0.0043056	3.333	0.96	61	10.5	22.6	Petrakis & Stergiou (1995)
Trachurus mediterraneus	G. Saronikos	C	1990	C	T	TL	0.0099	0.0099	2.9	0.959	485	6	42	Karlou-Riga (1995) **
Trachurus mediterraneus	G. Saronikos	C	1990	AP-SE	T	TL	0.0125	0.0125	2.84	0.955	325	6	42	Karlou-Riga (1995) **
Trachurus mediterraneus	G. Saronikos	C	1990	OC-MAY	T	TL	0.007	0.007	3.01	0.972	160	7	39	Karlou-Riga (1995) **
Trachurus mediterraneus	Kyclades	C	1997-98	C	G/H	TL	0.01448	0.01448	2.824	0.92	191	17.3	34.1	Moutopoulos & Stergiou (2000) **
Trachurus mediterraneus	G. S. Evvoikos	C	1992-93	C	B	FL	0.000031	0.0197407	2.804	0.94	81	13.2	26.1	Petrakis & Stergiou (1995)
Trigla lucerna	G. Thermaikos	M	1977-78	C	T	FL	0.000005	0.0070141	3.147	0.992	153	13.2	32.7	Papaconstantinou (1984b)
Trigla lucerna	G. Thermaikos	F	1977-78	C	T	FL	0.000006	0.0077295	3.11	0.997	122	13.5	76.7	Papaconstantinou (1984b)
Trigla lucerna	N. Aegean Sea	C	1992-93	C	T	TL	0.0000096	0.0098463	3.011	0.93	563	6	35	Papaconstantinou et al. (1994)
Trigla lucerna	N. Aegean Sea	M	1992-93	C	T	TL	0.0000115	0.0109068	2.977	0.9	210	-	-	Papaconstantinou et al. (1994)
Trigla lucerna	N. Aegean Sea	F	1992-93	C	T	TL	0.0000038	0.005845	3.187	0.95	181	-	-	Papaconstantinou et al. (1994)
Trigla lyra	G. Saronikos	C	1977	SP	T	FL	0.00002	0.01352166	2.83	0.993	110	-	-	Papaconstantinou (1981)
Trigla lyra	G. Saronikos	C	1976	SU	T	FL	0.000017	0.01289582	2.88	0.998	50	-	-	Papaconstantinou (1981)
Trigla lyra	G. Saronikos	C	1976	AU	T	FL	0.000016	0.01186096	2.87	0.995	100	-	-	Papaconstantinou (1981)
Trigla lyra	G. Saronikos	C	1976	WI	T	FL	0.000016	0.01213724	2.88	0.991	284	-	-	Papaconstantinou (1981)
Trigla lyra	Aegean Sea	C	1990	JU	T	TL	0.000007	0.0075179	3.031	0.99	632	3.5	43.5	Papaconstantinou et al. (1992a)
Trigla lyra	Aegean Sea	C	1990	SE	T	TL	0.000013	0.01064	2.913	0.99	380	3.5	43.5	Papaconstantinou et al. (1992a)
Trigla lyra	Aegean Sea	C	1990	DE	T	TL	0.000028	0.0164119	2.768	0.97	455	3.5	43.5	Papaconstantinou et al. (1992a)
Trigla lyra	Aegean Sea	C	1991	MA	T	TL	0.000013	0.0105912	2.911	0.98	713	6.5	33.5	Papaconstantinou et al. (1992a)
Trigla lyra	C. Aegean Sea	F	1991	C	T	FL	0.000014	0.0110186	2.896	0.97	269	-	-	Papaconstantinou et al. (1993)
Trigla lyra	C. Aegean Sea	M	1991	C	T	FL	0.000021	0.0139065	2.821	0.97	318	-	-	Papaconstantinou et al. (1993)
Trigla lyra	C. Aegean Sea	C	1991	C	T	FL	0.000012	0.0102372	2.931	0.98	904	4.3	47.2	Papaconstantinou et al. (1993)
Trigla lyra	C. Aegean Sea	F	1992	C	T	FL	0.000011	0.0096692	2.944	0.97	183	-	-	Papaconstantinou et al. (1993)
Trigla lyra	C. Aegean Sea	M	1992	C	T	FL	0.000008	0.0079449	2.997	0.98	202	-	-	Papaconstantinou et al. (1993)
Trigla lyra	C. Aegean Sea	C	1992	C	T	FL	0.000014	0.0107431	2.885	0.96	8887	4.3	47.2	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	G. Evvoikos [6]	C	1986-87	C	T	FL	0.000002	0.0037586	3.274	0.96	2314	5	27	Papaconstantinou et al. (1989) **
Trisopterus minutus capelanus	G. Evvoikos [6]	C	1987-88	C	T	FL	0.000004	0.0059164	3.17	0.96	2205	6	27	Papaconstantinou et al. (1989) **
Trisopterus minutus capelanus	C. Aegean Sea	M	1991	C	T	TL	0.0000034	0.0057211	3.226	0.94	306	-	-	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	C. Aegean Sea	F	1991	C	T	TL	0.0000019	0.0042146	3.346	0.96	291	-	-	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	C. Aegean Sea	C	1991	C	T	TL	0.0000033	0.0056042	3.23	0.93	882	4.4	21.9	Papaconstantinou et al. (1993)

Table 1 (continued).

Species	Area	S	Year	Season	FM	L	a	a'	b	r^2	n	min	max	Source
Trisopterus minutus capelanus	C. Aegean Sea	M	1992	C	T	TL	0.0000048	0.0067646	3.149	0.9	106	-	-	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	C. Aegean Sea	F	1992	C	T	TL	0.0000058	0.0076108	3.118	0.91	157	-	-	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	C. Aegean Sea	C	1992	C	T	TL	0.0000027	0.0050508	3.272	0.9	614	5.4	19.4	Papaconstantinou et al. (1993)
Trisopterus minutus capelanus	N. Aegean Sea	F	1992-93	C	T	TL	0.0000041	0.0063648	3.191	0.97	888	-	-	Papaconstantinou et al. (1994)
Trisopterus minutus capelanus	N. Aegean Sea	M	1992-93	C	T	TL	0.0000052	0.0072444	3.144	0.93	772	-	-	Papaconstantinou et al. (1994)
Trisopterus minutus capelanus	N. Aegean Sea	C	1992-93	C	T	TL	0.0000051	0.0071543	3.147	0.94	2522	6	29	Papaconstantinou et al. (1994)
Trisopterus minutus capelanus	G. Evvoikos	C	1986-88	C	T	TL	0.005863	0.005863	3.217	0.96	4519	5	31	Politou & Papaconstantinou (1991)
Uranoscopus scaber	Kyclades	C	1997-98	C	G/H	TL	0.00775	0.00775	3.228	0.98	30	12.4	28.4	Moutopoulos & Stergiou (2000) **
Xiphias gladius	Hellenic Seas	C	1986-87	C	H	FL	0.0000048	0.004751	3.171	-	960	90	206	De Metrio et al. (1989a) ***
Xiphias gladius	Hellenic Seas	M	1986-87	C	H	LJFL	0.0000074	0.007416	3.07	0.97	129	-	-	Megalofonou et al. (1991) ***
Xiphias gladius	Hellenic Seas	F	1986-87	C	H	LJFL	0.000004	0.003968	3.19	0.98	108	-	-	Megalofonou et al. (1991) ***
Xiphias gladius	Hellenic Seas	C	1986-87	C	H	LJFL	0.0000054	0.005371	3.14	0.97	241	71.5	207	Megalofonou et al. (1991) ***
Xiphias gladius	Aegean Sea	M	1986-88	JU-SE	H	LJFL	0.000009	0.00899	3.03	0.96	280	-	-	Tsimenides & Tserpes (1989) ***
Xiphias gladius	Aegean Sea	F	1986-88	JU-SE	H	LJFL	0.0000095	0.00954	3.11	0.97	396	-	-	Tsimenides & Tserpes (1989) ***
Xiphias gladius	Aegean Sea	M	1986-88	FE-MAY	H	LJFL	0.0000027	0.00273	3.28	0.97	88	-	-	Tsimenides & Tserpes (1989) ***
Xiphias gladius	Aegean Sea	F	1986-88	FE-MAY	H	LJFL	0.0000031	0.00308	3.25	0.97	110	-	-	Tsimenides & Tserpes (1989) ***
Xiphias gladius	Aegean Sea	C	1986-88	C	H	LJFL	0.0000075	0.00751	3.06	0.97	974	54	215	Tsimenides & Tserpes (1989) ***
Xyrichthys novacula	Kyclades	C	1997-98	C	G/H	TL	0.10326	0.10326	2.235	0.91	12	15.5	17.8	Moutopoulos & Stergiou (2000) **
Zeus faber	Kyclades	C	1997-98	C	G/H	TL	0.0159	0.0159	2.95	0.99	14	12.7	55	Moutopoulos & Stergiou (2000) **
Zeus faber	G. Thermaikos	F	1992-93	C	T	TL	0.0000769	0.0381879	2.696	0.7	106	-	-	Papaconstantinou et al. (1994)
Zeus faber	G. Thermaikos	M	1992-93	C	T	TL	0.0003871	0.0895	2.364	0.52	69	-	-	Papaconstantinou et al. (1994)
Zeus faber	G. Thermaikos	C	1992-93	C	T	TL	0.0001666	0.0547867	2.517	0.6	204	5	57	Papaconstantinou et al. (1994)
Zeus faber	G. Evvoikos [6]	C	1987	C	T	TL	0.0000275	0.0228735	2.92	0.99	166	5.3	8	Stergiou & Fourtouni (1991) **
Zeus faber	G. Evvoikos [6]	C	1987	C	T	TL	0.0001434	0.0453471	2.5	0.86	15	8	50.6	Stergiou & Fourtouni (1991) **
Zeus faber	G. N. Evvoikos [5]	C	1993	OC	T	TL	0.04187	0.04187	2.84	0.98	28	8.1	49.2	Stergiou & Politou (1995) **

[1] immature male

[2] mature male

[3] immature female

[4] mature female

[5] including Trikeri Channel

[6] including Pagassitikos Gulf

[7] questionable records, deviated more than two SD from the regression line between log (a') and b

* length-weight relationship corresponding to mm, mg

** length-weight relationship corresponding to cm, g

*** length-weight relationship corresponding to cm, kg