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A review on the length-weight relationships of finfishes from the coastal lagoons of India

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Table S1 — Parameters of Length–weight relationships of 77 finfish species from coastal lagoons of India. (M= male; F= female; C= combined; U= Unsexed)

SL. No.	Species	Sex	Study year	Chilika lake				Pulicat lake				Vembanad lake				Reference
				n	a	b	r ²	n	a	b	r ²	n	a	b	r ²	
Order: Cichliformes																
Family: Cichlidae																
1	<i>Etroplus suratensis</i>	C	2008–2009	302	0.00002	3.101	0.977									20
		C	2009	213	0.00005	2.9	0.918									21
		U	2014	2,370	0.0229	3.05	0.98									22
		C	2015–2016	137	0.023	3.043	0.992									23
		C	–					120	-0.729	1.0368						24
		C	2012–2013								194	0.0193	2.67	0.963		25
2	<i>Pseudetroplus maculatus</i>	C	2012–2013								229	0.0148	2.72	0.966		25
Family: Ambassidae																
3	<i>Ambassis gymnocephalus</i>	C	2015–2016	79	0.011	3.007	0.962									23
4	<i>Ambassis ambassis</i>	C	2015–2016	65	0.012	3.017	0.969									23
Order: Anabantiformes																
Family: Anabantidae																
5	<i>Anabas testudineus</i>	C	2015–2016	11	0.021	2.932	0.998									23
		C	2015								246	0.000298	2.8452	0.9556		27
Family: Channidae																
6	<i>Channa pseudomaculatus</i>	C	2015–2016								114	0.0079	2.896	0.981		39
Order: Cyprinodontiformes																
Family: Aplocheilidae																
7	<i>Aplocheilus panchax</i>	C	2015–2016	26	0.009	3.063	0.991									23
Order: Atheriniformes																
Family: Atherinidae																
8	<i>Doboatherina duodecimalis</i>	C	2015–2016	13	0.007	3.028	0.996									23
Order: Siluriformes																
Family: Bagridae																
9	<i>Mystus cavasius</i>	C	2009	45	0.00002	3.009	0.986									21
10	<i>Mystus gulio</i>	C	2009	36	0.00001	3.032	0.982									21
		U	2014	341	0.0077	3.11	0.92									22
		C	2015–2016	244	0.01	3.005	0.973									23
		C	2015–2017								1241	2.004	3.071	0.985		28

Family: Ariidae										
11	<i>Arius arius</i>	C	2009	54	0.000005	3.1059	0.956			21
		C	2015	107	0.006	3.12	0.981			40
12	<i>Osteogeneiosus militaris</i>	U	2014	183	0.0089	2.98	0.97			22
Family: Horabagridae										
13	<i>Horabagrus brachysoma</i>	C	2015–2016					77	0.0048	3.159 0.984 39
		C	–					443	-1.957	3.043 0.865 41
Family: Plotosidae										
14	<i>Plotosus canius</i>	C	2009	27	0.00007	2.5463	0.868			21
Order: Beloniformes										
Family: Belonidae										
15	<i>Strongylura strongylura</i>	C	2014–2016	263	-3.146	3.173	0.964			42
16	<i>Xenentodon cancila</i>	C	2015–2016	32	0.001	3.229	0.978			23
Family: Exocoetidae										
17	<i>Hirundichthys coromandelensis</i>	C	2014					200	0.977	3.16 r = 0.85 43
Family: Hemiramphidae										
18	<i>Hyporhamphus limbatus</i>	C	2014–2016	353	-2.484	2.945	0.952			42
19	<i>Hyporhamphus xanthopterus</i>	C	2015–2016					40	0.0026	3.165 0.972 39
Order: Carangiformes										
Family: Carangidae										
20	<i>Carangoides praeustus</i>	C	2015	32	0.006	3.29	0.987			40
Family: Cynoglossidae										
21	<i>Cynoglossus lida</i>	C	2017	20	0.004	3.09	0.99			44
22	<i>Cynoglossus lingua</i>	C	2017	23	0.009	2.88	0.99			44
23	<i>Cynoglossus puncticeps</i>	C	2017	104	0.004	3.12	0.95			44
Family: Latidae										
24	<i>Lates calcarifer</i>	C	2008–2009	128	0.00008	2.669	0.976			45
		C	2009	109	0.00008	2.6821	0.981			21
		C	2008–2009	314	0.003	2.916	0.976			46
Family: Polynemidae										
25	<i>Eleutheronema tetradactylum</i>	C	2008–2009	225	0.000004	3.115	0.996			47
		C	2009	229	0.000004	3.1117	0.997			21
		U	2014	1,662	0.007	3.01	0.98			22
		C	2015–2016	333	0.006	3.059	0.991			23
Order: Clupeiformes										
Family: Clupeidae										
26	<i>Tenualosa ilisha</i>	C	1964–1965	214	0.000004468	3.125				48
		C	2009	81	0.0000008	3.4486	0.95			21
		C	2014	497	0.0174	2.99	0.968			37

		C	2015	25	1.07152E-05	2.92	0.96		49	
27	<i>Nematalosa nasus</i>	C	2009	291	0.000007	3.0587	0.992		21	
		C	2008	408	0.0081	3.0527	0.994		50	
		U	2014	648	0.007	3.13	0.99		22	
		C	2015–2016	482	0.008	3.063	0.982		23	
						Family: Engraulidae				
28	<i>Thryssa mystax</i>	C	2016–2017	152	0.1026	3.081	0.983		51	
29	<i>Thryssa polybranchialis</i>	C	2016–2017	123	0.0805	3.326	0.976		51	
30	<i>Thryssa purava</i>	C	2016–2017	74	0.1027	3.026	0.986		51	
31	<i>Thryssa kammalensoides</i>	C	2018	862	-10.351	2.683	0.681		36	
						Order: Elopiformes				
						Family: Elopidae				
32	<i>Elops machnata</i>	C	2015–2016	37	0.004	3.044	0.996		23	
						Order: Perciformes				
						Family: Platycephalidae				
33	<i>Platycephalus indicus</i>	C	2015–2016	21	0.005	3.024	0.995		23	
						Family: Serranidae				
34	<i>Epinephelus coioides</i>	C	2015–2016	10	0.01	3.051	0.999		23	
						Family: Gerreidae				
35	<i>Gerres filamentosus</i>	M	1980			164	-1.324	2.874	r = 0.9701	26
		F	1980			278	-1.287	2.838	r = 0.9711	
		U	1980			164	-1.816	2.255	r = 0.9597	
36	<i>Gerres setifer</i>	M	2007–2008			2.883	0.983		52	
		F	2007–2008			2.962	0.915			
						Family: Haemulidae				
37	<i>Pomadasys kaakan</i>	C	2015–2016	73	0.011	3.134	0.997		23	
38	<i>Pomadasys argenteus</i>	C	2015–2016	23	0.014	3.01	0.984		23	
						Family: Lutjanidae				
39	<i>Lutjanus indicus</i>	C	2015–2016	11	0.016	2.963	0.994		23	
40	<i>Lutjanus johnii</i>	C	2015–2016	50	0.016	2.987	0.994		23	
						Family: Sciaenidae				
41	<i>Daysciaena albida</i>	C	2009	245	0.000004	3.1686	0.997		21	
		U	2014	5,737	0.0078	3.06	0.99		22	
		C	2015–2016	403	0.008	3.059	0.991		23	
		M	1980			162	-1.505	2.861	r = 0.9804	26

		F	1980					167	-0.926	2.408	r =	
		U	1980					97	-1.718	3.061	r =	
										6	0.9624	
42	<i>Dendrophysa russelii</i>	C	2015–2016	30	0.008	3.106	0.995					23
Family: Sillaginidae												
43	<i>Sillago sihama</i>	C	1965–1967					-	3.088	0.923		53
								5.388	7	2		
								7				
44	<i>Sillago vincenti</i>	C	2017	49	0.007	3.039	0.991					54
		C	2015–2016	75	0.007	3.022	0.991					23
Family: Sparidae												
45	<i>Rhabdosargus sarba</i>	C	2015–2016	79	0.018	2.981	0.992					23
		M	2007–2008			3.021	0.995					52
		F	2007–2008			3.009	0.989					
46	<i>Acanthopagrus berda</i>	C	2015–2016	10	0.013	3.12	0.995					23
47	<i>Acanthopagrus datania</i>	C	2015–2016	11	0.021	2.955	0.991					23
Order: Gobiiformes												
Family: Gobiidae												
48	<i>Acentrogobius cyanomos</i>	C	2018–2019					18	0.019	2.693	0.93	32
								9				
49	<i>Arcygobius baliurus</i>	C	2018–2019					69	0.014	2.847	0.88	32
								4				
50	<i>Favonigobius reichei</i>	C	2018–2019					44	0.004	3.538	0.984	32
								1				
51	<i>Glossogobius giuris</i>	C	2009	53	0.000006	3.085	0.989					21
		C	2015–2016	135	0.008	3.011	0.989					23
52	<i>Yongeichthys criniger</i>	C	2018–2019					65	0.007	3.235	0.942	32
								4				
53	<i>Oxyurichthys microlepis</i>	C	2018–2019					370	0.010	2.677	0.834	32
								6				
Order: Mugiliformes												
Family: Mugilidae												
54	<i>Chelon parsia</i>	C	2016–2017	32	0.012	2.919	0.988					35
		C	2010–2011	103	0.000058	2.68	0.95					31
55	<i>Planiliza tade</i>	C	2009	13	0.000009	2.9938	0.9					21
56	<i>Planiliza planiceps</i>	C	2010–2011	102	0.000062	2.65	0.89					31
57	<i>Mugil cephalus</i>	C	2007–2010	842	0.0162–0.0405	2.60–2.86						29
		C	2008–2009	267	0.00001	2.977	0.982					30
		C	2009	337	0.00001	2.9918	0.984					21
		C	2010–2011	131	0.000013	2.96	0.95					31
		C	2016					415	0.000	2.765	0.906	33
								38	3	8		

58	<i>Osteomugil speigleri</i>	C	2007–2008	16	0.0263	2.6342	0.979		34
		C	2009	86	0.0002	2.4517	0.945		21
		C	2016–2017	75	0.014	2.883	0.985		35
59	<i>Osteomugil cunnesius</i>	C	2016–2017	47	0.011	2.952	0.98		35
60	<i>Planiliza macrolepis</i>	C	2009	64	0.00002	2.9034	0.967		21
		C	2009	440	0.000005	2.992	0.968		55
		C	2016–2017	105	0.011	2.958	0.989		35
						Order: Osteoglossiformes			
						Family: Notopteridae			
61	<i>Notopterus notopterus</i>	C	2015–2016	20	0.006	3.044	0.995		23
						Order: Acanthuriformes			
						Family: Lobotidae			
62	<i>Datnioides polota</i>	C	2015	87	0.023	2.93	0.989		40
						Family: Scatophagidae			
63	<i>Scatophagus argus</i>	C	2015–2016	33	0.032	3	0.989		23
						Family: Siganidae			
64	<i>Siganus canaliculatus</i>	C	2015–2016	16	0.015	2.943	0.989		23
65	<i>Siganus javus</i>	C	2015–2016	35	0.013	3.117	0.984		23
		C	2018–2019			159	0.013	3.068	0.995
						4			32
						Order: Centrarchiformes			
						Family: Terapontidae			
66	<i>Terapon jarbua</i>	C	2009	104	0.00001	2.9753	0.963		21
		C	2015–2016	74	0.02	2.861	0.972		23
67	<i>Terapon puta</i>	C	2009	30	0.00006	2.7666	0.928		21
		C	2017	196	0.008	3.156	0.981		54
		C	2015–2016	282	0.009	3.049	0.967		23
68	<i>Pelates quadrilineatus</i>	C	2015–2016	16	0.014	3.009	0.995		23
69	<i>Terapon theraps</i>	C	2015–2016	23	0.013	3.019	0.985		23
						Order: Tetraodontiformes			
						Family: Triacanthidae			
70	<i>Triacanthus biaculeatus</i>	C	2009	23	0.0001	2.5609	0.926		21
		C	2015	278	0.017	2.79	0.979		40
71	<i>Triacanthus nieuhofii</i>	C	2017	187	0.01	2.997	0.977		54
		C	2015–2016	303	0.012	2.948	0.975		23
						Order: Cypriniformes			
						Family: Cyprinidae			
72	<i>Labeo rohita</i>	C	2015–2016	42	0.01	3.045	0.994		23
73	<i>Cirrhinus reba</i>	C	2015–2016	40	0.005	3.259	0.989		23

74	<i>Puntius sophore</i>	C	2015– 2016	53	0.013	3.029	0.976				23	
75	<i>Puntius chola</i>	C	2015– 2016	21	0.012	3.064	0.978				23	
76	<i>Gibelion catla</i>	C	2009	43	0.00003	2.92	0.769				21	
77	<i>Hypselobarbus kurali</i>	C	2015– 2016					111	0.0103	2.999	0.98	39