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Supplementary Material

Length-Weight Relationships of *Oreochromis niloticus* (Linnaeus, 1758) Around the World

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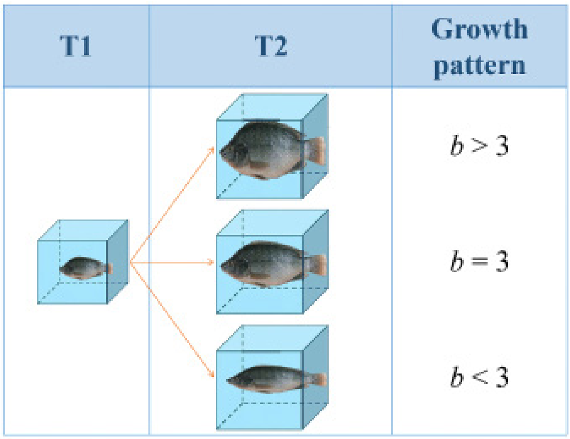

Supplementary Fig. S1. A simple diagram of three different growth patterns from T1 to T2. If $b = 3$, then this species is isometric growth, T1 has the same form and condition as T2. If $b > 3$, then this species is positive-allometric growth, T2 increases in relative body thickness or plumpness more than T1. If $b < 3$, then this species is negative-allometric growth, body shapes of T2 are changed to become more elongated.

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Supplementary Table I. Parameters of length-weight relationships of *Oreochromis niloticus* (Linnaeus, 1758).

Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a'	b	R^2	References
Be´nin sampled from native population (N)									
1. Oue´me´ River	1999-2001	C	18	7.5-26.5	TL	0.0330	2.80	0.98	Lale`ye (2006)
2. Sô river	2015-2016	C	31	6.7-32.9	TL	0.0190	2.99	1.00	Hazoume et al. (2017)
3. Couffo river	NA	C	26	NA	TL	0.0300	2.80	0.97	Amoussou et al. (2017)
4. Couffo river	NA	M	15	NA	TL	0.0400	2.74	0.96	Amoussou et al. (2017)
5. Couffo river	NA	F	11	NA	TL	0.0200	2.90	0.98	Amoussou et al. (2017)
6. Toho Lake	NA	C	30	NA	TL	0.0300	2.82	0.98	Amoussou et al. (2017)
7. Toho Lake	NA	M	15	NA	TL	0.0400	2.77	0.99	Amoussou et al. (2017)
8. Toho Lake	NA	F	15	NA	TL	0.0300	2.84	0.97	Amoussou et al. (2017)
9. Ouémé river	NA	C	29	NA	TL	0.0300	2.80	0.96	Amoussou et al. (2017)
10. Ouémé river	NA	M	14	NA	TL	0.0600	2.61	0.91	Amoussou et al. (2017)
11. Ouémé river	NA	F	15	NA	TL	0.0100	3.22	0.97	Amoussou et al. (2017)
Benin and Togo (N)									
12. Mono basin	2011-2014	C	219	8.4-23.1	TL	0.022	2.93	0.90	Ledeound et al. (2016)
Burkina Faso (N)									
13. Volta River	NA	C	14	17-29	SL	0.0541	2.72	0.93	Coulibaly (2003)[1]
14. Hippopotamus Pond	NA	C	96	NA	TL	0.0377	2.80	0.97	Béarez (2003)
15. Peelé reservoir	2015-2016	C	193	NA	SL	0.0281	2.85	NA	Parfait et al. (2018)[1]
16. Peelé reservoir	2015-2016	M	94	NA	SL	0.0442	2.68	NA	Parfait et al. (2018)[1]
17. Peelé reservoir	2015-2016	F	99	NA	SL	0.0245	2.86	NA	Parfait et al. (2018)[1]
18. Peelé reservoir	2016-2017	C	274	NA	SL	0.1217	2.34	NA	Parfait et al. (2018)[1]
19. Peelé reservoir	2016-2017	M	137	NA	SL	0.1759	2.21	NA	Parfait et al. (2018)[1]
20. Peelé reservoir	2016-2017	F	137	NA	SL	0.0596	2.59	NA	Parfait et al. (2018)[1]
21. Peelé reservoir	2015-2016	C	98	NA	SL	0.0443	2.94	NA	Parfait et al. (2018)[1]
22. Peelé reservoir	2015-2016	M	46	NA	SL	0.0442	2.68	NA	Parfait et al. (2018)[1]
23. Peelé reservoir	2015-2016	F	52	NA	SL	0.0245	2.86	NA	Parfait et al. (2018)[1]
24. Peelé reservoir	2016-2017	C	126	NA	SL	0.0373	2.78	NA	Parfait et al. (2018)[1]
25. Peelé reservoir	2016-2017	M	62	NA	SL	0.0317	2.71	NA	Parfait et al. (2018)[1]
26. Peelé reservoir	2016-2017	F	64	NA	SL	0.0437	2.71	NA	Parfait et al. (2018)[1]
27. Peelé reservoir	2015-2016	C	95	NA	SL	0.0634	2.51	NA	Parfait et al. (2018)[1]
28. Peelé reservoir	2015-2016	M	48	NA	SL	0.0632	2.41	NA	Parfait et al. (2018)[1]
29. Peelé reservoir	2015-2016	F	47	NA	SL	0.0793	2.36	NA	Parfait et al. (2018)[1]
30. Peelé reservoir	2016-2017	C	148	NA	SL	0.2199	2.12	NA	Parfait et al. (2018)[1]
31. Peelé reservoir	2016-2017	M	75	NA	SL	0.3259	1.98	NA	Parfait et al. (2018)[1]
32. Peelé reservoir	2016-2017	F	73	NA	SL	0.0651	2.55	NA	Parfait et al. (2018)[1]
33. Peelé reservoir	2015-2017	C	467	7.1-15.1	SL	0.0762	2.48	NA	Parfait et al. (2018)[1]
34. Peelé reservoir	2015-2017	M	231	7.3-17	SL	0.1118	2.36	NA	Parfait et al. (2018)[1]
35. Peelé reservoir	2015-2017	F	236	7.5-15.1	SL	0.0435	2.69	NA	Parfait et al. (2018)[1]
Côte d'Ivoire (N)									
36. Ayamé I Reservoir	1997-1998	C	1006	8-27.5	TL	0.024	2.69	0.94	Tah et al. (2012)

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Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a’	b	R^2	References
37. Buyo Reservoir	2004-2005	C	650	4-33	TL	0.021	2.76	0.95	Tah et al. (2012)
38. Coastal Rivers	1995-1997, 2003-2005	C	135	6.8-26.6	SL	6.5304	2.70	0.94	Konan et al. (2007)[1,2]
Cameroon (N)									
39. Mbˆo Floodplain Rivers	2014-2015	C	66	12-26	TL	0.0124	3.08	0.90	Tiogué et al. (2018)
Congo Dem Rp (N)									
40. Edward Lake	NA	C	28	22.1-35.8	TL	0.0023	2.95	0.97	Vakily (1989)
Egypt (N)									
41. Manzalah Lake	2000	C	39	8-16	TL	0.0702	2.75	0.99	Bakhoum and Abdallah (2002)
42. Manzalah Lake	2000	C	32	5-15	TL	0.0167	2.95	1.00	Bakhoum and Abdallah (2002)
43. Nile river	2008-2009	C	801	8.3-35.4	TL	0.0180	3.02	0.91	Shalloof and El- Far (2017)
44. Abu-Zabal Lake	2005-2006	C	NA	NA	TL	0.0282	2.86	1.00	Ibrahim et al. (2008)
Ethiopia (N)									
45. Zeway Lake	NA	C	651	NA	TL	0.2	2.09	0.90	Fiseha (1989)
46. Zeway Lake	NA	C	761	NA	TL	0.025	2.90	NA	Fiseha (1989)
47. Tana Lake	1992-1993	C	680	12-34.8	TL	0.0424	2.74	0.94	Tadesse (1997)[3]
48. Tana Lake	1992-1993	M	383	NA	TL	0.0414	2.75	0.95	Tadesse (1997)[3]
49. Tana Lake	1992-1993	F	297	NA	TL	0.042	2.75	0.93	Tadesse (1997)[3]
50. Hayq Lake	2018	F	339	NA	TL	0.065	2.50	0.89	Tessema et al. (2019)
51. Hayq Lake	2018	M	553	NA	TL	0.099	2.33	0.85	Tessema et al. (2019)
52. Chamo Lake	2018	M	2201	NA	TL	0.0112	3.14	0.97	Shija (2020)
53. Chamo Lake	2018	F	3577	NA	TL	0.0102	3.19	0.98	Shija (2020)
54. Chamo Lake	2018	C	5778	NA	TL	0.0102	3.18	0.97	Shija (2020)
55. Tekeze Reservoir	2015-2016	C	1826	NA	TL	0.0470	2.92	0.95	Teame et al. (2018)
56. Tekeze Reservoir	2015-2016	M	845	NA	TL	0.0253	3.03	0.97	Teame et al. (2018)
57. Tekeze Reservoir	2015-2016	F	981	NA	TL	0.0203	2.91	0.95	Teame et al (2018)
58. Hawassa Lake	2003-2005	C	1000	14-36	TL	0.0184	3.02	0.96	Tekle-Giorgis et al. (2017)
59. Koka Lakes	2005-2006	C	205	NA-27.2	TL	0.0261	2.89	0.99	Tesfaye (2008)
60. Ziway Lakes	2005-2006	C	279	NA-29	TL	0.0104	3.19	0.97	Tesfaye (2008)
61. Langano Lakes	2005-2006	C	525	NA-27.2	TL	0.0164	3.04	0.88	Tesfaye (2008)
62. Chamo Lake	1996-1997	F	689	NA	TL	0.0225	2.97	0.98	Admassu (2002)[3]
63. Chamo Lake	1996-1997	M	740	NA	TL	0.0211	2.99	0.98	Admassu (2002)[3]
64. Chamo Lake	1996-1997	C	1429	12-61	TL	0.0217	2.98	0.99	Admassu (2002)[3]
65. Koka Lakes	2011	C	573	4.7-35.2	TL	0.0153	3.05	0.99	Engdaw et al. (2013)
66. Tropic Reservoir	2006-2007	C	87	10-42	TL	0.008	3.20	0.96	Degefu et al. (2012)
67. Koka Lake	2019-2020	C	132	NA	SL	0.0085	3.17	0.96	Asmamaw and Tessema (2021)[1]
68. Ziway Lake	2019-2020	C	130	NA	SL	0.0085	3.10	0.87	Asmamaw and Tessema (2021)[1]
69. Langano Lake	2019-2020	C	129	NA	SL	0.0256	3.07	0.96	Asmamaw and Tessema (2021)[1]
70. Koka Reservoir	NA	M	82	16.03-29.94	TL	0.0085	3.21	0.97	Asmamaw et al. (2019)
71. Koka Reservoir	NA	F	50	20.04-29.01	TL	0.0256	2.87	0.90	Asmamaw et al. (2019)
72. Koka Reservoir	NA	C	132	16.03-29.94	TL	0.0097	3.17	0.96	Asmamaw et al. (2019)

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Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a’	b	R^2	References
73. Shala Lake	2018	C	343	7.7-33	TL	0.0189	3.19	0.98	Wagaw et al. (2022)
74. Shala Lake	2018	M	165	NA	TL	0.0148	3.19	0.97	Wagaw et al. (2022)
75. Shala Lake	2018	F	178	NA	TL	0.0165	3.19	0.98	Wagaw et al (2022)
Ghana (N)									
76. Golinga Reservoir	NA	C	20	15.1-19.1	TL	0.0062	3.37	0.83	Naangmenyele et al. (2021)
77. Golinga Reservoir	2013/2014	C	321	NA	SL	0.0176	3.07	0.79	Alhassan et al. (2015)[1]
Kenya (N)									
78. Winam gulf	2018	C	240	NA	TL	0.0548	3.16	0.95	Ngodhe and Owuor-JB (2019)
79. Crescent Lake	2017	C	224	NA	TL	0.02	2.98	0.93	Waithaka et al. (2020)
80. Hippo Point Lake	2017	C	66	NA	TL	0.024	2.90	0.96	Waithaka et al. (2020)
81. Korongo Lake	2017	C	128	NA	TL	0.024	2.94	0.96	Waithaka et al. (2020)
82. Malewa Lake	2017	C	20	NA	TL	0.007	3.39	0.87	Waithaka et al. (2020)
83. Mid Lake	2017	C	33	NA	TL	0.011	3.13	0.96	Waithaka et al. (2020)
84. Off Crescent	2017	C	30	NA	TL	0.012	3.14	0.99	Waithaka et al. (2020)
85. Oserian Lake	2017	C	498	NA	TL	0.053	2.67	0.88	Waithaka et al. (2020)
86. Sher Lake	2017	C	22	NA	TL	0.015	3.07	0.98	Waithaka et al. (2020)
87. Whole lake	2017	C	1,021	NA	TL	0.031	2.86	0.92	Waithaka et al. (2020)
88. Victoria Lake	2014-2015	M	809	14-47.5	TL	0.0210	2.98	NA	Yongo et al. (2018)
89. Victoria Lake	2014-2015	F	672	14-45	TL	0.0180	3.01	NA	Yongo et al. (2018)
90. Victoria Lake	2014-2015	C	1512	14-47.5	TL	0.0190	3.01	0.98	Yongo et al. (2018)
91. Ferguson's Gulf	1985-1986	F	49	NA	TL	0.0098	3.17	0.98	Stewar (1988)
92. Ferguson's Gulf	1985-1986	M	62	NA	TL	0.011	3.13	0.97	Stewar (1988)
93. Ferguson's Gulf	1985-1986	C	111	20-50	TL	0.0107	3.14	0.98	Stewar (1988)
94. Ferguson's Gulf	1985	C	6	NA	TL	0.0331	2.82	0.97	Stewar (1988)
95. Ferguson's Gulf	1986	C	25	NA	TL	0.0078	3.24	0.96	Stewar (1988)
96. Ferguson's Gulf	1986	C	27	NA	TL	0.0151	3.04	0.97	Stewar (1988)
97. Ferguson's Gulf	1986	C	20	NA	TL	0.0091	3.19	0.99	Stewar (1988)
98. Ferguson's Gulf	1986	C	16	NA	TL	0.0098	3.14	0.94	Stewar (1988)
99. Ferguson's Gulf	1974	C	89	NA	TL	0.0282	2.94	0.99	Stewar (1988)
100. Ferguson's Gulf	1974	C	75	NA	TL	0.0282	2.91	0.99	Stewar (1988)
101. Ferguson's Gulf	1974	M	32	NA	TL	0.0214	3.00	0.99	Stewar (1988)
102. Ferguson's Gulf	1974	F	37	NA	TL	0.0178	3.06	0.99	Stewar (1988)
103. Ferguson's Gulf	1974	C	6	NA	TL	0.0115	3.17	1.00	Stewar (1988)
104. Ferguson's Gulf	1974-1976	C	NA	NA	TL	0.0234	2.99	NA	Stewar (1988)
105. Ferguson's Gulf	1953	C	NA	NA	TL	0.0123	3.16	NA	Stewar (1988)
106. Crater Lake	NA	C	NA	NA	TL	0.0182	2.93	NA	Stewar (1988)
107. Naivasha Lake	2013-2014	M	46	NA	TL	0.0001	3.07	0.97	Otieno et al. (2014)[2]
108. Naivasha Lake	2013-2014	M	46	NA	TL	0.0002	2.95	0.96	Otieno et al. (2014)[2]
109. Naivasha Lake	2013-2014	C	67	NA	TL	0.863	1.51	NA	Otieno et al. (2014)
110. Naivasha Lake	2013-2014	C	69	NA	TL	0.7129	1.56	NA	Otieno et al. (2014)[2]
111. Naivasha Lake	2013-2014	C	104	NA	TL	0.1972	1.68	NA	Otieno et al. (2014)

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Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a'	b	R^2	References
112. Naivasha Lake	2013-2014	C	65	NA	TL	0.5821	1.61	NA	Otieno et al. (2014)
113. Naivasha Lake	2013-2014	C	68	NA	TL	0.208	2.01	NA	Otieno et al. (2014)
114. Naivasha Lake	2013-2014	C	373	NA	TL	0.2291	2.31	NA	Otieno et al. (2014)
Nigeria (N)									
115. Wudil River	2010	C	20	11-16.3	TL	0.88	0.14	0.43	Getso et al. (2017)
116. Wudil River	2010	C	20	9-13.3	TL	0.8913	0.80	0.51	Getso et al. (2017)
117. Wudil River	2010	C	20	5-15	TL	0.32	0.51	0.82	Getso et al. (2017)
118. Wudil River	2010	C	20	7.6-15.5	TL	0.72	0.19	0.29	Getso et al. (2017)
119. Wase Dam	NA	C	137	6-24	TL	0.1000	1.52	0.81	Yem et al. (2020)[3]
120. Wase Dam	NA	M	81	6-22	TL	0.0800	1.51	0.88	Yem et al. (2020)[3]
121. Wase Dam	NA	F	56	6-24	TL	0.1100	1.50	0.71	Yem et al. (2020)[3]
122. Cross River	2004-2006	C	2007	NA	TL	0.0251	2.70	0.90	Offem et al. (2009)
123. Nwaniba River	2014	C	NA	8-19.7	TL	1.5030	2.78	0.98	Esenowo et al. (2016) [2]
124. Benue River	2016-2017	C	NA	NA	TL	0.6655	1.02	0.01	Edward (2018)
125. Benue River	2016-2017	C	NA	NA	TL	4.7072	1.43	0.00	Edward (2018)
126. Benue River	2016-2017	C	NA	NA	TL	1.4302	0.36	0.11	Edward (2018)
127. Benue River	2016-2017	C	NA	NA	TL	1.6688	0.12	0.01	Edward (2018)
128. Cross River	2004-2006	C	NA	NA	TL	0.0033	2.19	0.91	Offem et al. (2007)[2,3]
129. Cross River	2004-2006	C	NA	NA	TL	0.0044	2.94	0.87	Offem et al. (2007)[3]
130. Cross River	2004-2006	C	NA	NA	TL	0.0190	3.04	0.93	Offem et al. (2007)[3]
131. Nokoue Lake	2007	C	137	NA	TL	0.0104	2.77	0.77	Johnson and Ndimele et al. (2011)[3]
132. Strabag lake	2013-2014	C	127	11.8-22.1	TL	0.0340	2.70	0.83	Amoo and Komolame (2016)
133. Gold Mine Reservoir	2015-2016	C	57	8.1-24.2	TL	0.5929	1.98	0.86	Obayemi et al. (2019)
South Sudan (N)									
134. Juba	NA	C	600	28-41	TL	0.2692	1.60	0.91	Deng et al. (2020)
Sudan (N)									
135. Khashm El-Girba Lake	2016	C	525	7.9-27.7	SL	0.0280	2.88	0.96	Abdalla et al. (2020)[1]
136. Khashm El. Girba Reservoir	2016-2017	C	734	7-32	TL	0.0399	2.96	0.91	Adow (2019)
137. Khashm El. Girba Reservoir	2016-2017	F	NA	NA	TL	0.0456	2.91	0.89	Adow (2019)
138. Khashm El. Girba Reservoir	2016-2017	M	NA	NA	TL	0.0372	2.99	0.92	Adow (2019)
Uganda (N)									
139. Victoria Lake	2000-2002	C	573	37-525	TL	0.0136	3.12	0.99	Bwanika et al. (2007)[1]
140. Wamala Lake	1988-1996	C	NA	NA	TL	0.0340	2.40	0.93	Vianny et al. (2015)[1]
141. Wamala Lake	1998-2000	C	NA	NA	TL	0.0124	3.15	0.96	Vianny et al. (2015)[1]
142. Wamala Lake	2011-2014	C	NA	NA	TL	0.5929	2.47	0.94	Vianny et al. (2015)[1]
Bangladesh (I)									
143. Kaptai Reservoir	1995-1996	C	1741	15-53	TL	0.0366	2.84	0.98	Ahmed et al. (2003)
144. Karatoya River	2014-2015	C	22	NA-39	TL	0.0099	3.15	NA	Hossain et al. (2016)

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Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a’	b	R^2	References
Brazil (I)									
145. Mundaú River Running	2015	C	277	0.9-6.4	TL	0.012	3.07	0.97	Terra et al. (2017)
146. Mundaú River Pool	2015	C	60	1.5-25.2	TL	0.01	3.23	0.99	Terra et al. (2017)
147. Guandu River	2010-2011	C	10	9-26.4	TL	0.0099	3.22	0.99	Costa et al. (2014)
148. Taquari River	2011-2013	C	142	1.3-8.2	SL	0.0154	3.05	0.98	Nobile et al. (2015)[1]
149. Coastal Lagoons	2011	C	25	1-7.9	TL	0.0178	2.87	0.98	Franco et al. (2014)
150. Barra Bonita Reservoir	2004-2005	C	1715	11-31.2	SL	0.0585	2.88	0.89	Novaes and Carvalho (2012)[1]
151. Guaraguaçu River,	2004-2007	C	16	17-43.3	TL	0.0189	3.01	0.97	Carvalho et al. (2022)
China (I)									
152. Beipan River	2017	C	310	51-364	SL	0.0308	2.86	0.99	Li et al. (2021)[1]
153. Liujiang River	2020-2021	C	98	0.888-3.396	TL	0.274	3.81	0.95	Huang (2021)[2]
154. Liujiang River	2020-2021	C	98	0.72-2.46	SL	1.1685	2.98	0.90	Huang (2021)[1,2]
155. Shanmei reservior	2015	C	200	12-28	SL	0.1088	2.47	0.87	Tu (2016)[1,3]
156. Zuojiang River	2017-2018	C	57	NA	SL	0.0177	3.05	0.98	Zhao (2019)[1]
157. Zuojiang River	2017-2018	C	21	NA	SL	0.0103	3.20	0.96	Zhao (2019)[1]
158. Zuojiang River	2017-2018	C	28	NA	SL	0.0260	2.92	0.95	Zhao (2019)[1]
159. Youngjiang River	2017-2018	C	31	NA	SL	0.0903	2.51	0.82	Zhao (2019)[1]
160. Zuojiang River	2017-2018	C	53	NA	SL	0.0451	2.73	0.95	Zhao (2019)[1]
161. Youjiang River	2017-2018	C	37	NA	SL	0.0575	2.61	0.94	Zhao (2019)[1]
162. Zuojiang River	2017-2018	C	29	NA	SL	4.5303	1.33	0.53	Zhao (2019)[1]
163. Youjiang River	2017-2018	C	23	NA	SL	0.0107	3.23	0.99	Zhao (2019)[1]
164. Youjiang River	2017-2018	C	60	NA	SL	0.0205	3.00	0.97	Zhao (2019)[1]
165. Qianjiang River	2017-2018	C	41	NA	SL	0.1941	2.16	0.61	Zhao (2019)[1]
166. Qianjiang River	2017-2018	C	14	NA	SL	0.0393	2.77	0.98	Zhao (2019)[1]
167. Yujiang River	2017-2018	C	98	NA	SL	0.0488	2.70	0.89	Zhao (2019)[1]
168. Yujiang River	2017-2018	C	75	NA	SL	0.7819	1.96	0.74	Zhao (2019)[1]
169. Xunjiang River	2017-2018	C	28	NA	SL	0.0113	3.18	0.99	Zhao (2019)[1]
170. Xunjiang River	2017-2018	C	82	NA	SL	0.0151	3.07	1.00	Zhao (2019)[1]
171. Shuikou Reservior	2011	C	606	NA	SL	0.0285	2.89	0.98	He et al. (2013)[1]
172. Hongkan	2005-2009	C	1178	NA	SL	0.1459	2.12	NA	Ye et al. (2010)[1]
173. Dawangtan Reservior	2016-2017	C	746	5.1-29.6	SL	0.0167	3.04	0.89	Li (2018)[1]
174. Shanghai	1991-1994	F	NA	NA	SL	0.0199	2.96	0.98	Li (2018)[1]
175. Shanghai	1991-1994	C	63	10.3-19.3	SL	0.0177	3.02	0.98	Li (2018)[1]
176. Shanghai	1991-1994	M	NA	NA	SL	0.0151	3.06	0.94	Li (2018)[1]
177. Hongshui River	20,092,013	C	91	4.5-29.1	TL	0.0134	3.13	0.99	Que et al. (2015)
India (I)									
178. Damodar River	2014-2016	C	57	10-44	TL	0.0146	3.13	1.00	Sandhya et al. (2020)
179. Barur Reservoir	2012-2013	C	189	97-160	TL	0.0098	2.31	NA	Marx et al. (2014)[1]
180. Halali Reservoir	2018-2019	C	1250	7.5-44.5	TL	0.0010	2.96	0.93	Johnson et al. (2020)[2]
181. Yamuna River	2011-2012	M	167	NA	TL	0.0295	2.88	0.94	Alam et al. (2020)
182. Yamuna River	2011-2012	F	174	NA	TL	0.0585	2.66	0.91	Alam et al. (2020)

Table continued on next page.................

Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a'	b	R^2	References
183. Yamuna River	2011-2012	F	341	NA	TL	0.0006	2.78	0.92	Alam et al. (2020)[2]
Indonesia (I)									
184. Jatiluhur Reservoir	1985	C	63	13.5-44	TL	0.0292	2.90	0.99	Hardjamulia et al. (1988)[1,3]
185. Jatibarang Reservoir	2020	C	56	95-349	TL	0.0097	3.27	0.95	Rahman et al. (2021)[1]
186. Lampulo Fishery Port	2017	C	NA	NA	TL	0.0105	2.30	0.61	Perdana et al. (2018)
187. Maninjau Lake	2017	C	31	6.7-22	TL	0.0156	3.11	0.99	Samir et al. (2021)
188. Matang Guru River	2015	C	NA	NA	TL	0.0124	1.30	0.41	Muttaqin et al. (2016)[1]
Iraq (I)									
189. Garmat Ali River	2018-2019	C	1342	7.7-23.2	TL	0.0140	3.08	0.96	Mohamed and Al-Wan (2020)
190. Garmat Ali River	2008	C	2050	7-25.5	TL	0.0350	3.11	0.97	Mohamed and Salman (2021)[1]
Italy (I)									
191. Lesina Lagoon	1999-2000	C	176	5-230	TL	0.0180	2.51	0.98	Scordella et al. (2003)[1]
192. Fossa Calda Stream	2007	C	153	NA	TL	0.0159	3.13	0.82	Piazzini et al. (2010)[1]
193. Fossa Calda Stream	2007	C	153	NA	TL	0.0159	2.98	0.75	Piazzini et al. (2010)[1]
Japan (I)									
194. Minami River	2007	C	20	NA	TL	0.0148	3.10	0.99	Yamamoto et al. (2009)
195. Minami River	2007	C	13	NA	TL	0.0165	3.06	1.00	Yamamoto et al. (2009)
196. Minami River	2007	C	9	NA	TL	0.0222	2.98	0.98	Yamamoto et al. (2009)
197. Minami River	2007	C	5	NA	TL	0.0080	3.30	0.99	Yamamoto et al. (2009)
198. Minami River	2007	C	7	NA	TL	0.0188	3.03	0.99	Yamamoto et al. (2009)
199. Minami River	2007	C	9	NA	TL	0.0157	3.08	1.00	Yamamoto et al. (2009)
200. Minami River	2007	C	12	NA	TL	0.0165	3.05	0.99	Yamamoto et al. (2009)
201. Minami River	2007	C	21	NA	TL	0.0209	2.98	0.99	Yamamoto et al. (2009)
202. Minami River	2007	C	13	NA	TL	0.0177	3.01	1.00	Yamamoto et al. (2009)
203. Minami River	2007	C	11	NA	TL	0.0186	3.01	1.00	Yamamoto et al. (2009)
Korea (I)									
204. Dalseo Stream	2019	C	533	NA	TL	0.0479	3.15	0.99	Wang et al. (2020)[1]
Lao (I)									
205. Nam Theun 2 Reservoir	2015-2017	C	34	31-222	SL	0.0220	3.04	0.99	Guillard et al. (2019)[1]
206. Nam Theun 2 Reservoir	2015-2017	F	118	112-320	SL	0.0479	2.82	0.93	Guillard et al. (2019)[1]
207. Nam Theun 2 Reservoir	2015-2017	M	105	79-360	SL	0.0033	3.10	0.99	Guillard et al. (2019)[1]
Mexico (I)									
208. Coatetelco Lake	1993	C	1039	8.9-16.5	SL	0.0180	2.47	0.81	Gómez-Márquez et al. (2008)[1]
Morocco (I)									
209. Al-Massira Reservoir	2020-2021	C	40	10.5-43	TL	0.0304	2.84	0.98	Ouahb et al. (2021)
Myanmar (I)									
210. Sunye lake	2016-2017	C	190	108-241	TL	0.0001	2.77	0.93	Winn et al. (2021)[2]
Pakistan (I)									
211. Indus River	20,062,009	M	60	14-18.5	TL	0.0457	2.66	0.90	Naeem et al. (2010)
212. Indus River	20,062,009	F	65	9.1-17.9	TL	0.0364	2.75	0.91	Naeem et al. (2010)
213. Indus River	20,062,009	C	125	9.1-18.5	TL	0.0393	2.72	0.91	Naeem et al. (2010)

Table continued on next page.................

Country/ Location	Sampled year	Gender	n	L_{min}- L_{max}	LS	a'	b	R^2	References
214. Chashma Barrage	2014	C	480	52-217	FL	0.0295	2.14	0.94	Mehak et al. (2017)[1]
215. Keenjhar Lake	2014	C	246	16-28	TL	0.4226	2.07	0.84	Batool (2017)
216. Keenjhar Lake	2014	C	239	15-28	TL	0.0076	3.39	0.75	Batool (2017)
Philippines (I)									
217. Agusan Marsh	2014-2015	C	261	11.5-47	TL	0.031	3.25	0.97	Jumawan and Seronay (2017)
218. Candaba wetland	2007-2008	C	386	4-21.3	SL	0.0183	3.04	0.97	Garcia (2010)[1]
Saudi Arabia (I)									
219. Wadi Hanifah River	2011-2012	M	310	76-273	TL	3.0354	3.16	0.92	Mortuza and Al-Misned (2013)[1,2,3]
220. Wadi Hanifah River	2011-2012	F	265	69-261	TL	7.9264	2.98	0.83	Mortuza and Al-Misned (2013)[1,2,3]
221. Wadi Hanifah River	2011-2012	C	575	69-273	TL	3.9675	3.08	0.96	Mortuza and Al-Misned (2013)[1,2,3]
Sri Lanka (I)									
222. Chandikawewa reservoir	1995-1997	C	30	14-39	TL	0.0370	2.76	NA	Athukorala and Amarasinghe (2010)
223. Minneriya reservoir	1998-2000	C	306	NA	TL	0.0270	2.79	NA	Prabath et al. (2017)
224. Udawalawe reservoir	1998-2000	C	491	NA	TL	0.1430	2.93	NA	Prabath et al. (2017)
225. Victoria reservoir	1998-2000	C	113	NA	TL	0.0940	2.20	NA	Prabath et al. (2017)
Tanzania (I)									
226. Victoria Lake	1995	C	146	12.6-46.1	TL	0.0351	2.86	NA	Witte and Winter (1995)
227. Victoria Lake	1995	C	415	4.8-52	TL	0.0161	3.07	NA	Witte and Winter (1995)
Turkey (I)									
228. Sakarya River	NA	C	260	30-289	TL	0.0103	3.16	0.99	Emįrdğlu et al. (2018)[1]
229. Köyceğiz Lagoon	2017	C	93	6-28.6	TL	0.0168	3.09	0.97	Reis (2020)
USA (I)									
230. Mississippi River	2002-2006	C	259	41.3-400	TL	0.0211	2.99	0.99	Grammer et al. (2012)[1]
Zambia (I)									
231. Kariba Lake	2014	C	NA	NA	TL	0.0212	3.02	0.87	Nyirenda (2017)[1]
Zimbabwe (I)									
232. Chivero Lake	2011	M	659	30-226	SL	0.0212	3.35	0.68	Utete and Chikova (2013)[1]
233. Chivero Lake	2011	F	473	30-225	SL	0.4226	3.10	0.78	Utete and Chikova (2013)[1]

Status means an indication of species status, N: sampled from native populations, I: sampled from invasive populations. Gender = sex (F, female; M, male; C, combined sexes). n, sampled size. L_{min} is the minimum length and L_{max} is the maximum length; LS, type of length in the original source study (TL, total length; FL, fork length; SL, standard length). *a'*, the original standardized intercept *(a)* corresponding to a_{TL} and a_{cm}; *b* = the slope of the relationship $W = aL^b$; R^2 = coefficient of determination; "NA" means no data in the literature. [1], length-weight relationship corresponding to cm, g. [2], questionable records, the respective point deviated more than two standard deviations from the regression line between log (a') and b. [3], R^2 is converted from R.

Supplementary Table II. Estimated *b* value for *Oreochromis niloticus* (Linnaeus, 1758).

		n	Min	Max	Median	SE	95%CI
Native	b	126	1.51	3.39	2.91	0.03	2.85-2.95
Invasive	b	74	2.07	3.30	3.01	0.03	2.90-3.05

N, sampled size; *CI,* means confidence interval of the median; *SE* is the standard error.

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