Pakistan J. Zool., vol. 52(3), pp 1197-1200, 2020 DOI: https://dx.doi.org/10.17582/journal.pjz/20190422150443

Supplementary Material

Short Communication: Length-Weight Relationship of the Invasive Mosquitofish

Wen Xiong[1,2]*, Qitao Zeng[2], Dangen Gu[1] and Yinchang Hu[1]*

[1]Pearl River Fisheries Research Institute, Chinese Academy of Fishery Sciences/ Key Laboratory of Recreational Fisheries, Ministry of Agriculture and Rural Areas, Guangzhou 510380, China

[2]College of Fisheries, Guangdong Ocean University, Zhanjiang 524088, China

* Corresponding author: chinaxiongwen@gmail.com; huyc22@163.com

0030-9923/2020/0003-1197 $ 9.00/0

Supplementary Table 1. Parameters of the length-weight relationship of mosquitofish.

Species	Area	Sex	Year	Season	n	Length range	L	a	a'	b	r^2	source
Gambusia holbrooki	Iran	C	-	-	35	2.38-4.05	TL	0.0114	0.0114	3.05	0.876	Esmaeili & Ebrahimi (2006)[2]
G. holbrooki	Buyukcekmece Dam lake	C	1995	MAY-OC	15	3.2-4.7	TL	0.0087	0.0087	3.42	0.97	Tarkan et al. (2006)
G. holbrooki	Segura River	C	2000-2004	-	57	2-5.7	FL	0.00523	0.0052	3.59	0.94	Andreu-Soler et al. (2006)
G. holbrooki	Segura River tributaries	C	2000-2004	-	60	1.9-4.9	FL	0.00799	0.008	3.37	0.861	Andreu-Soler et al. (2006)
G. holbrooki	Segura River reservoirs	C	2000-2004	-	119	2.2-5.7	FL	0.0044	0.0044	3.81	0.947	Andreu-Soler et al. (2006)[3]
G. holbrooki	Bellinger	C	2002-2003	-	215	1.5-5.8	TL	6.53E-06	0.0091	3.14	0.85	Gilligan (2010)[1]
G. holbrooki	Omerli Dam Lake	C	2002-2004	C	19	2-4.4	TL	0.0064	0.0064	3.49	0.948	Tarkan et al. (2006)
G. holbrooki	Donana	F	2003-2005	-	2338	1.8-5.9	TL	0.007	0.007	3.27	0.966	Moreno-Valcarcel et al. (2012)
G. holbrooki	Donana	M	2003-2005	-	1172	1.8-4.1	TL	0.007	0.007	3.12	0.887	Moreno-Valcarcel et al. (2012)
G. holbrooki	Nainital Lake	F	2004-2005	SE-AU	-	-	TL	0.006012	0.006	3.2	0.954	Singh & Gupta (2008)[3]
G. holbrooki	Nainital Lake	M	2004-2005	SE-AU	-	-	TL	0.034119	0.0341	2.65	0.755	Singh & Gupta (2008)[3]
G. holbrooki	Nainital Lake	C	2004-2005	SE-AU	530	-	TL	0.002301	0.0023	3.44	0.973	Singh & Gupta (2008)[3]
G. holbrooki	Lake Sapanca	C	2006-2007	C	58	1.4-3.5	SL	0.0252	0.0252	2.68	0.98	Tarkan et al. (2009)[3]
G. holbrooki	Lake Pamvotis	F	2007-2008	C	549	-	TL	0.00001	0.0116	3.1	0.97	Gkenas et al. (2012)[1]
G. holbrooki	Lake Pamvotis	M	2007-2008	C	278	34.34	TL	0.00002	0.0131	2.85	0.95	Gkenas et al. (2012)[1,3]
G. holbrooki	Strymon River & tributaries	C	2007-2008	C	176	1.8-5.1	TL	0.008	0.008	3.39	0.968	Petriki et al. (2011)
G. holbrooki	Lake Pamvotis	C	2007-2008	C	909	-	TL	0.00001	0.0128	2.95	0.97	Gkenas et al. (2012)[1]

Species	Area	Sex	Year	Season	n	Length range	L	a	a'	b	r^2	source
G. holbrooki	Seyhan Dam Lake	F	2007	JA-DE	810	1.3-5.7	TL	0.0127	0.0127	2.96	0.982	Erguden (2013)
G. holbrooki	Seyhan Dam Lake	M	2007	JA-DE	772	1-3.3	TL	0.0156	0.0156	2.66	0.957	Erguden (2013)
G. holbrooki	Seyhan Dam Lake	C	2007	JA-DE	1582	1-5.7	TL	0.0129	0.0129	2.93	0.98	Erguden (2013)
G. holbrooki	Tajan River	F	2008	JA-DE	507	1.7-5	TL	0.0084	0.0084	3.23	0.905	Rahman et al. (2011)
G. holbrooki	Tajan River	M	2008	JA-DE	236	1.5-3.5	TL	0.0157	0.0157	2.44	0.665	Rahman et al. (2011)[3]
G. holbrooki	Tajan River	C	2008	JA-DE	744	1.5-5	TL	0.0084	0.0084	3.23	0.813	Rahman et al. (2011)
G. holbrooki	Dinor River	F	2011	AP-NO	59	1.56-5.53	TL	0.000002	0.0062	3.49	0.992	Sedaghat & Hoseini (2012)[1,3]
G. holbrooki	Dinor River	M	2011	AP-NO	51	2.3-3.4	TL	0.00002	0.0149	2.87	0.846	Sedaghat & Hoseini (2012)[1]
Gambusia affinis	Sabine	C	-	-	113	-	TL	0.0126	0.0126	3.08	0.95	Gossman (2005)
G. affinis	San Francisco Estuary	C	-	-	156	-	TL	0.0066	0.0066	3.15	-	Kimmerer et al. (2005)
G. affinis	Baja California	C	1983-1997	-	860	1.3-3.9	TL	0.01	0.01	3.37	0.94	Ruiz-Campos et al. (2006)
G. affinis	Porto-Lagos lagoon	C	1988-1990	DE-SE	4	2.3-2.9	TL	0.0072	0.0072	3.16	0.983	Koutrakis & Tsikliras (2003)
G. affinis	Rihios estuary	C	1997-1999	SE-May	671	1-5.1	TL	0.0084	0.0084	3.38	0.973	Koutrakis & Tsikliras (2003)
G. affinis	Ortaca	F	1998-1999	C	450	-	TL	0.009236	0.0092	3.3	0.975	Ozturk & Ikiz (2004)[2]
G. affinis	Dalaman	F	1998-1999	C	488	-	TL	0.009508	0.0095	3.24	0.971	Ozturk & Ikiz (2004)[2]
G. affinis	Fethiye-Akgol	F	1998-1999	C	574	-	TL	0.009188	0.0092	3.23	0.982	Ozturk & Ikiz (2004)[2]
G. affinis	Fethiye-Akgol	M	1998-1999	C	131	-	TL	0.010079	0.0101	3.01	0.845	Ozturk & Ikiz (2004)[2]
G. affinis	Ortaca	M	1998-1999	C	189	-	TL	0.014962	0.015	2.67	0.661	Ozturk & Ikiz (2004)[2]
G. affinis	Dalaman	M	1998-1999	C	194	-	TL	0.007281	0.0073	3.35	0.894	Ozturk & Ikiz (2004)[2]
G. affinis	Dalaman	C	1998-1999	C	682	1.7-5.5	TL	0.0084	0.0084	3.27	0.964	Ozturk & Ikiz (2004)[2]
G. affinis	Fethiye-Akgol	C	1998-1999	C	705	1.3-5.5	TL	0.019	0.019	3.17	0.977	Ozturk & Ikiz (2004)[2,3]
G. affinis	Adriatic estuarine	C	2000-2004	-	27	1.4-4.1	TL	0.0082	0.0082	3.31	0.977	Dulcic & Glamuzina (2006)
G. affinis	Seyhan Dam Lake	F	2006-2007	C	122	1-3.9	TL	0.0018	0.0018	2.62	0.915	Erguden & Goksu (2009)[3]
G. affinis	Seyhan Dam Lake	M	2006-2007	C	93	1.1-3.5	TL	0.018	0.018	2.58	0.92	Erguden & Goksu (2009)
G. affinis	Seyhan Dam Lake	C	2006-2007	C	215	1-3.9	TL	0.0018	0.0018	2.61	0.917	Erguden & Goksu (2009)[3]
G. affinis	Lake Erhai	F	2009-2010	C	13	2.2-3.8	TL	0.0139	0.0139	2.96	0.948	Tang et al. (2013)[3]
G. affinis	Lake Erhai	C	2009-2010	C	448	1.5-4	TL	0.0107	0.0107	2.95	0.935	Tang et al. (2013)[3]
G. affinis	Pearl River	C	2010	JA-DE	180	1.4	TL	0.009	0.009	3.37	0.957	Li et al. (2013)
G. affinis	Wuhan	F	2012-2013	C	585	1.2-4.4	TL	0.0094	0.0094	3.25	0.96	**this study**
G. affinis	Wuhan	M	2012-2013	C	207	1.2-2.9	TL	0.0117	0.0117	2.82	0.95	**this study**

Species	Area	Sex	Year	Season	n	Length range	L	a	a'	b	r^2	source
G. affinis	Wuhan	C	2012-2013	C	792	1.2-4.4	TL	0.01	0.01	3.13	0.95	**this study**

S, sex (F, female; M, male; 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; C, All seasons or all months combined); n, the sample size; Length range are minimum and maximum length in sample; 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, aL^b; r^2, coefficient of determination.

1) length-weight relationship corresponding to mm, g

2) r converted into r^2

3) questionable records, deviated more than two SD from the regression line between Log(a') and b.