

ONLINE SUPPLEMENTARY INFORMATION

A new fossil megamouth shark (Lamniformes, Megachasmidae) from the Oligocene–Miocene of the western United States

KENSHU SHIMADA,^{*,1,2} BRUCE J. WELTON,³ and DOUGLAS J. LONG^{4,5}

¹Department of Environmental Science and Studies and Department of Biological Sciences,
DePaul University, 2325 North Clifton Avenue, Chicago, Illinois 60614, U.S.A.,
kshimada@depaul.edu;

²Sternberg Museum of Natural History, Fort Hays State University, Hays, Kansas 67601, U.S.A.;

³New Mexico Museum of Natural History and Science, 1801 Mountain Road NW, Albuquerque,
New Mexico 87104, U.S.A., weltonbj@comcast.net;

⁴Department of Biology, St. Mary's College, 1928 St. Mary's Road, Moraga, California 94556,
U.S.A.

⁵Section of Ichthyology, California Academy of Sciences, 55 Music Concourse Drive, San
Francisco, California 94118, U.S.A.

APPENDIX 2. Dental measurements (all in millimeters) taken from extant *Megachasma pelagios* taken from illustrations in published literature (number in parentheses indicates estimated value). **Abbreviations** (see also Fig. 6A): **CH**, crown height; **CW**, crown width; **RL**, root length; **RW**, root width.

Specimen	CH	CW	RL	RW	Source
BPBM 22730	9.0	4.0	6.6	5.8	Taylor et al. (1983:fig. 8A, C)
LACM 43745-1	(10.5)	5.0	7.7	7.0	Herman et al. (1993:pls. 45, 48 [top ‘a’])
LACM 43745-1	(9.5)	7.0	7.0	9.0	Herman et al. (1993:pls. 45, 48 [top ‘l’])
LACM 43745-1	(7.0)	4.5	5.6	5.5	Herman et al. (1993:pls. 45, 48 [top ‘p’])
LACM 43745-1	(12.0)	5.5	9.1	7.5	Herman et al. (1993:pls. 45, 48 [bottom ‘a’])
LACM 43745-1	(8.0)	5.2	8.0	7.2	Herman et al. (1993:pls. 45, 48 [bottom ‘l’])
LACM 43745-1	(7.0)	6.2	5.8	9.4	Herman et al. (1993:pls. 45, 48 [bottom ‘p’])
Fukuoka specimen	3.7	1.8	2.3	2.5	Yabumoto et al. (1997:fig. 3A)
Fukuoka specimen	5.1	2.6	3.5	3.6	Yabumoto et al. (1997:fig. 3B)
Fukuoka specimen	5.8	3.5	3.9	4.3	Yabumoto et al. (1997:fig. 3C)
Fukuoka specimen	5.4	3.3	3.3	4.2	Yabumoto et al. (1997:fig. 3D)
Fukuoka specimen	4.3	3.2	3.0	3.7	Yabumoto et al. (1997:fig. 3E)
Fukuoka specimen	3.1	2.7	2.3	3.2	Yabumoto et al. (1997:fig. 3F)
Fukuoka specimen	5.5	2.7	3.6	3.3	Yabumoto et al. (1997:fig. 5A)
Fukuoka specimen	9.4	4.0	6.5	5.6	Yabumoto et al. (1997:fig. 5B)
Fukuoka specimen	8.6	5.0	6.0	6.8	Yabumoto et al. (1997:fig. 5C)

Fukuoka specimen	7.0	4.1	5.1	5.0	Yabumoto et al. (1997:fig. 5D)
Fukuoka specimen	5.8	3.6	3.9	5.1	Yabumoto et al. (1997:fig. 5E)
Fukuoka specimen	4.9	3.3	3.5	4.1	Yabumoto et al. (1997:fig. 5F)
MZB 12906.LLIPI.1	1.7	1.0	1.2	1.3	De Schutter (2009:pl. 11A–D)
MZB 12906.LLIPI.2	1.6	1.0	1.1	1.2	De Schutter (2009:pl. 11E–H)
MZB 12906.LLIPI.3	1.7	1.0	1.1	1.2	De Schutter (2009:pl. 11I–L)
LACM 43745-1	(8.0)	6.8	7.1	6.8	De Schutter (2009:pl. 11M–R)
