

Green Turtle mtDNA Sequences (~400bp)

Green turtle (*Chelonia mydas*) mitochondrial DNA control region sequences: Atlantic and Mediterranean

The ACCSTR collaborates with **Brian Shamblin** (University of Georgia; email: brian.shamblin@gmail.com) to maintain this website.

To facilitate haplotype designations and to avoid confusion among ocean basins, we are using the nomenclature of CM-A# (prefix A before the number is used to designate that it is from the Atlantic basin; P will be used for the Pacific).

If you have a new sequence, please email the new sequence to [ACCSTR](mailto:accstr@ufl.edu) (accstr@ufl.edu), and we will confirm the status of the sequence and assign a sequence designation number. **It is the responsibility of the author of the new sequence to submit the sequence to GenBank** (<http://ncbi.nlm.nih.gov>). The data in GenBank are simultaneously made available to EMBL in Europe and the DNA Data Bank of Japan.

Click [HERE](#) to access the current green turtle short mtDNA sequences. You may copy and paste any of the sequence batches from this page into a text editor and then import them into your sequence program.

The table below summarizes the metadata for the named haplotypes for Atlantic green turtles. Sequence CM19 is not presented because it was incorrectly assigned in Lahanas et al. 1998. Sequence CM19 will not be reassigned to avoid confusion.

Updated 20 November 2022

CM sequence designation	GenBank Accession Number	Reference or Contact Person
CM-A1	Z50124	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A2	Z50125	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A3	M98394	Allard <i>et al.</i> 1994 Copeia 1994:34-41
CM-A4	Z50126	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A5	Z50127	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A6	Z50128	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A7	Z50129	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A8	Z50130	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A9	Z50131	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A10	Z50132	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A11	Z50133	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483

CM-A12	Z50134	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A13	Z50135	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A14	Z50136	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A15	Z50137	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A16	Z50138	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A17	Z50139	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A18	Z50140	Encalada <i>et al.</i> 1996 Molecular Ecology 5:473-483
CM-A20	JN632501	Lahanas <i>et al.</i> 1998 Marine Biology 130:345-352
CM-A21	JN632502	Lahanas <i>et al.</i> 1998 Marine Biology 130:345-352
CM-A22	AF366251	Bass and Witzell 2000 Herpetologica 56:357-367
CM-A23	AF366252	Bjorndal <i>et al.</i> 2006 Chelonian Conservation and Biology 5:262-268
CM-A24	AF366253	Bjorndal <i>et al.</i> 2006 Chelonian Conservation and Biology 5:262-268
CM-A25	AF366254	Bjorndal <i>et al.</i> 2006 Chelonian Conservation and Biology 5:262-268
CM-A26	AF366255	Bass <i>et al.</i> 2006 Journal of Heredity 97:346-354
CM-A27	AF366256	Bass <i>et al.</i> 2006 Journal of Heredity 97:346-354
CM-A28	AF366257	Bjorndal and Bolten 2008
CM-A29	AF366258	Bjorndal & Bolten, unpublished
CM-A30	AF366259	Bjorndal & Bolten, unpublished
CM-A31	AF366260	Bjorndal & Bolten, unpublished
CM-A32	AF366261	Bjorndal <i>et al.</i> 2006 Chelonian Conservation and Biology 5:262-268
CM-A33	AF366262	Bjorndal <i>et al.</i> 2006 Chelonian Conservation and Biology 5:262-268
CM-A34	AF366263	Bjorndal and Bolten 2008 Molecular Ecology 17:2185-2193
CM-A35	AY044848	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A36	AY044849	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A37	AY044850	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A38	AY044851	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A39	AY044852	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A40	AY044853	Formia 2002 dissertation
CM-A41	AY044854	Formia 2002 dissertation
CM-A42	AF529023	Formia 2002 dissertation
CM-A43	AF529024	Formia 2002 dissertation
CM-A44	AF529025	Formia 2002 dissertation
CM-A45	AF529026	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A46	AF529027	Formia <i>et al.</i> 2006 Conservation Genetics 7:353-369
CM-A47	EF406117	Bjorndal and Bolten 2008 Molecular Ecology 17:2185-2193
CM-A48	AJ543730	Ruiz-Urquiola <i>et al.</i> 2010 Revista de Investigación Marina 31:33-52

CM-A49		This haplotype name has been withdrawn because of a sequencing error. It won't be used again to avoid confusion.
CM-A50	AY861466	Formia <i>et al.</i> 2007 Endangered Species Research 3:145-158
CM-A51		Formia, unpublished
CM-A52		Formia, unpublished
CM-A53		Formia, unpublished
CM-A54		Meylan, pending
CM-A55	DQ294212	Naro-Maciel <i>et al.</i> 2007 Journal of Heredity 98:29-39
CM-A56	AJ543732	Ruiz-Urquiola <i>et al.</i> 2010 Revista de Investigación Marina 31:33-52
CM-A57	AJ543735	Ruiz-Urquiola <i>et al.</i> 2010 Revista de Investigación Marina 31:33-52
CM-A58		This haplotype name has been withdrawn because of a naming error. It won't be used again to avoid confusion.
CM-A59	EU491956	Levin 2008 thesis
CM-A60	EU491957	Levin 2008 thesis
CM-A61	JQ034602	Bagda <i>et al.</i> 2012. Biochemical Systematics and Ecology 43:192-199.
CM-A62	JQ034603	Bagda <i>et al.</i> 2012. Biochemical Systematics and Ecology 43:192-199.
CM-A63	JQ034604	Bagda <i>et al.</i> 2012. Biochemical Systematics and Ecology 43:192-199.
CM-A64		Brian Shamblin, unpublished (brian.shamblin@gmail.com)
CM-A65		Brian Shamblin, unpublished (brian.shamblin@gmail.com)
CM-A66	JF308463	Naro-Maciel <i>et al.</i> 2012. Journal of Heredity doi: 10.1093/jhered/ess068
CM-A67	HM365069	Julia Azanza haplotype CMA12 (does not match ACCSTR CM-A12 and was renamed)
CM-A68	KT441099	Naro-Maciel <i>et al.</i> 2016 Ecography 39:1-12
CM-A69	KC792574	Jordão <i>et al.</i> 2017. Mitochondrial DNA A 28:197-207
CM-A70		Juliana Jordão, unpublished (juju.jordao@gmail.com)
CM-A71		Brian Shamblin, unpublished (brian.shamblin@gmail.com)
CM-A72		Formia and Natali, unpublished (aformia@wcs.org)
CM-A73		Eugenia Naro-Maciel, unpublished (enaromaciel@gmail.com)
CM-A74	KX011180	Jérôme Bourjea, unpublished (jerome.bourjea@ifremer.fr)
CM-A75		Angela Formia (aformia@wcs.org)/ Chiara Natali (chiara.natali@unifi.it)
CM-A76		van der Zee <i>et al.</i> 2019 Scientific Reports 9:14392
CM-A77	MH025958	Shamblin <i>et al.</i> 2018 Marine Ecology Progress Series 601:215-226
CM-A78	MH177873	Barbanti <i>et al.</i> 2019. Molecular Ecology 28:1637-1651
CM-A79		Molly McCargar (mmccargar@fordham.edu)
CM-A80	OM743494	Carlos Carreras (ccarrerashuergo@gmail.com)
CM-A81	ON791800	Angela Mastrogiacono (mastrogiacono.angela.cws@gmail.com)

For further information, please contact:

Archie Carr Center for Sea Turtle Research
PO Box 118525
University of Florida
Gainesville, Florida 32611 USA
Email: accstr@ufl.edu
