

Loggerhead mtDNA Sequences (380 bp)

Loggerhead (*Caretta caretta*) 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 CC-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 loggerhead 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 presents the metadata for the named haplotypes for Atlantic loggerhead sea turtles.

Updated 20 November 2022

Haplotype	Genbank	Reference or Contact
CC-A1	AJ001074	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype A)
CC-A2	AJ001075	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype B)
CC-A3	AJ001076	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype C)
CC-A4	AJ001077	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype D)
CC-A5	AJ001078	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype E)
CC-A6	AJ001079	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype F)
CC-A7	AJ001080	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype G)
CC-A8	AJ001081	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype H)
CC-A9	AJ001082	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype I)
CC-A10	AJ001083	Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype J)

CC-A11		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype K)
CC-A12		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype L)
CC-A13		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype M)
CC-A14		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype N)
CC-A15		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype O)
CC-A16		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype P)
CC-A17		Bolten <i>et al.</i> 1998. Ecological Applications 8:1-7 (Haplotype Q)
CC-A18	AY508983	Bass <i>et al.</i> 2004. Conservation Genetics 5:783-796
CC-A19	AY508984	Bowen <i>et al.</i> 2004. Molecular Ecology. 13:3797-3808
CC-A20	AY508985	Bowen <i>et al.</i> 2004. Molecular Ecology. 13:3797-3808
CC-A21	AY508986	Carreras <i>et al.</i> 2011. Journal of Heredity 102:666-677
CC-A22	AY508987	Bowen <i>et al.</i> 2004. Molecular Ecology. 13:3797-3808
CC-A23	AY508988	Bowen <i>et al.</i> 2004. Molecular Ecology. 13:3797-3808
CC-A24	AY508989	Reis <i>et al.</i> 2010. Conservation Genetics 11:1467-1477
CC-A25	AY508990	Reis <i>et al.</i> 2010. Conservation Genetics 11:1467-1477
CC-A26	HQ728521	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1279
CC-A27	AY742908	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1280
CC-A28	AY742909	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1281
CC-A29	AY742910	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1282
CC-A30	AY742911	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1283
CC-A31	AY742912	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1284
CC-A32	AY742913	Carreras <i>et al.</i> 2006. Marine Biology 149:1269-1285
CC-A33		Reis <i>et al.</i> 2010. Conservation Genetics 11:1467-1477 *Equivalent to CCP5 from the Indo-Pacific: EF033113
CC-A34		Reis <i>et al.</i> 2010. Conservation Genetics 11:1467-1477 *Equivalent to CCP1 from the Indo-Pacific: EF033112
CC-A35		Reis <i>et al.</i> 2010. Conservation Genetics 11:1467-1477
CC-A36	DQ060038	Shamblin <i>et al.</i> 2012. Marine Ecology Progress Series 469:145-160
CC-A37	AY680688	Roberts <i>et al.</i> 2005. Conservation Genetics 6:133-139. Roberts <i>et al.</i> haplotype designations were assigned as follows to conform to designations used on this website:
		A2 = CC-A14
		A3 = CC-A37
		B2 = CC-A13
		B3 = CC-A20
		B4 = CC-A40

CC-A38 and CC-A39		Original author(s) have withdrawn these haplotype sequences because of an error in the sequence submitted to ACCSTR. This haplotype designation has been removed from the database and will not be assigned to other sequences to avoid confusion.
CC-A40	AY680691	Roberts et al. 2005. Their haplotype B4.
CC-A41	EU179458	Shamblin et al. 2012. Marine Ecology Progress Series 469:145-160
CC-A42	EF397612	Revelles <i>et al.</i> 2007. Marine Biology 151:1501-1515
CC-A43	EF396287	Shamblin <i>et al.</i> 2011. Marine Biology 158:571-587
CC-A44	DQ060038	Reece <i>et al.</i> 2006. Conservation Genetics 7:345-352. Reece <i>et al.</i> incorrectly assigned haplotype number CCA36 to this sequence; CC-A36 had already been assigned to another sequence.
CC-A45	EU246539	unpublished; contact Kristen Mazzearella (ktmazz@juno.com)
CC-A46	EF687771	Monzón-Agüello <i>et al.</i> 2009. Journal of Experimental Marine Biology and Ecology 373:79-86
CC-A47	EU091309	Monzón-Agüello <i>et al.</i> 2009. Journal of Experimental Marine Biology and Ecology 373:79-86
CC-A48		Laurent et al. 1998. Molecular Ecology 7:1529-1542. Their haplotype "A6" converted by Paolo Casale (paolo.casale@tiscali.it)
CC-A49		unpublished, contact Mark Roberts (mroberts@biol.sc.edu)
CC-A50	EU352258	Casale <i>et al.</i> 2008. Scientia Marina 72:541-548
CC-A51	HQ908658	Shamblin <i>et al.</i> 2012. Marine Ecology Progress Series 469:145-160
CC-A52	HM366724	Yilmaz <i>et al.</i> 2011. Biochemical Systematics and Ecology 39:266-276
CC-A53	HM179462	Yilmaz <i>et al.</i> 2011. Biochemical Systematics and Ecology 39:266-276
CC-A54		Original author(s) have withdrawn this haplotype sequence because of an error in the sequence submitted to ACCSTR. This haplotype designation has been removed from the database and will not be assigned to other sequences to avoid confusion.
CC-A55	KJ806204	Garofalo <i>et al.</i> 2013. Aquatic Conservation 23:868-884
CC-A56 and CC-A57		Original author(s) have withdrawn this haplotype sequence because of an error in the sequence submitted to ACCSTR. This haplotype designation has been removed from the database and will not be assigned to other sequences to avoid confusion.
CC-A58		unpublished, contact Maria Noel Caraccio (noelcaraccio@gmail.com)
CC-A59	JF922014	Shamblin <i>et al.</i> 2012. Marine Ecology Progress Series 469:145-160
CC-A60	JF922015	Shamblin <i>et al.</i> 2012. Marine Ecology Progress Series 469:145-160
CC-A61		unpublished, contact LaCasella, Frey, and Dutton (peter.dutton@noaa.gov)
CC-A62		unpublished, contact LaCasella, Frey, and Dutton (peter.dutton@noaa.gov)

CC-A63	JF957336	Monzón-Argüello <i>et al.</i> 2012. Journal of the Royal Society Interface 9: 1725-1732
CC-A64	JF957337	Monzón-Argüello <i>et al.</i> 2012. Journal of the Royal Society Interface 9: 1725-1732
CC-A65	JF837824	Clusa <i>et al.</i> 2013. Journal of Experimental Marine Biology and Ecology 439:15-24
CC-A66	KJ806206	Physiological and Biochemical Zoology 89: 473-486
CC-A67	KT855091	unpublished, contact L. V. Hurtado Gomez (lei_honey4@hotmail.com)
CC-A68	JN039304	Saied <i>et al.</i> 2012. Marine Ecology Progress Series 450:207-218
CC-A69	KF021626	Stiebens <i>et al.</i> 2013. Proceedings of the Royal Society B, Biological Sciences 280:20130305
CC-A70		This haplotype was assigned in error and won't be reused.
CC-A71	KX929314	Splendiani <i>et al.</i> 2017. The European Zoological Journal 84:566-574
CC-A72	KT005407	Jérôme Bourjea (Jerome.Bourjea@ifremer.fr)
CC-A73	MF182628	Tolve <i>et al.</i> 2018. Marine Biology 165:68.
CC-A74	MT833383	Erin LaCasella and Peter Dutton (erin.lacasella@noaa.gov)
CC-A75		This haplotype was assigned in error and won't be reused.
CC-A76		Rita Castilho (rcastil@ualg.pt)

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
