

eDNA metabarcoding reveals a rich but threatened and declining elasmobranch community in West Africa's largest marine protected area, the Banc d'Arguin

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Online Resource 2 PCR protocol and conditions for COI and NADH2 amplification and list of primers used for amplification and sequencing

	COI	NADH2
Reagents	Total volume: 25µl 1X Colorless GoTaq Flexi Buffer 1.5mM MgCl₂ 200 µM dNTP 0.1 µM of each primer 1 U GoTaq G2 Flexi DNA Polymerase (Promega)	Total volume: 25µl 1X Colorless GoTaq Flexi Buffer 2.5mM MgCl₂ 200 µM dNTP 0.2 µM of each primer 0.25 U GoTaq G2 Flexi DNA Polymerase (Promega)
Conditions	Initial denaturation: 2 minutes at 94°C 35 cycles of 30 seconds at 94°C, 30 seconds at 55°C and 1 minute at 72°C Final extension: 10 minutes at 72°C PCR products were purified with a sodium acetate precipitation protocol and bi-directionally sequenced	Initial denaturation: 3 minutes at 94°C 35 cycles of 30 seconds at 94°C, 30 seconds at 48°C and 90 seconds at 72°C Final extension: 5 minutes at 72°C PCR products were purified with a sodium acetate

		precipitation protocol and bi-directionally sequenced
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Target gene	Primer	Sequence	Reference
12s	MiFish-E-F	5'- GTTGGTAAATCTCGTGCCAGC -3'	Miya et al., 2015
	MiFish-E-R	5'- CAAACTAGGATTAGATACCCTACTATG -3'	
COI	Fish F1	5'- TCAACCAACCACAAAGACATTGGCAC -3'	Ward et al., 2005
	Fish R1	5'- TAGACTTCTGGGTGGCCAAAGAATCA -3'	
	Fish F2	5'- TCGACTAATCATAAAGATATCGGCAC -3'	
	Fish R2	5'- ACTTCAGGGTGACCGAAGAATCAGAA -3'	
NADH2	ILEM	5'- AAGGAGCAGTTTGATAGAGT -3'	Naylor et al., 2012
	ASNM	5'- AACGCTTAGCTGTTAATTAA -3'	
	Ile-Mustelus	5'- AAGGACCACTTTGATAGAGT -3'	Naylor et al., 2005
	Asn-Mustelus	5'- AACGCTTAGCTGTTAATTAA -3'	