

## Aberystwyth University

### *Deep phylogeographic structure may indicate cryptic species within the Sparid genus SpondylIOSOMA*

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Supplementary Table 1: Overview of published loci tested for transferability in *SpondylIOSoma* spp.

Locus	Target species	Reference	Forward primer	Reverse primers
DsaMS16	<i>Diplodus sargus</i>	Perez et al. (2008)	AGTCAAACCTCGGCATCAAGCGGGTA	ACGAGGAGCTCTGACTTCTGATTCTT
DsaMS27	<i>Diplodus sargus</i>	Perez et al. (2008)	GCTCACTGTGCTGGCTCCACATCACC	GCGCTGTGCTTGCTGTCCGGAGA
DsaMS34	<i>Diplodus sargus</i>	Perez et al. (2008)	AGATCAGATTTGCTGTGATAGCGTCCAAAG	ACTCCTGCAGCTCCTCCTGGGCTTC
DsaMS48	<i>Diplodus sargus</i>	Perez et al. (2008)	ACATCGCACACCCCCACAACC	TGCATGAACAACCTCCACACACAACTCC
Dvul33	<i>Diplodus vulagris</i>	Roques et al (2007a)	GCCGGGCTCGACATTGACTGAA	GCAGCCAGCAGAGCTTAAAGAACT
Dvul38	<i>Diplodus vulagris</i>	Roques et al (2007a)	TCGGGCACAGATAGAAAGAAACAC	GAAGGAAGACGGATCTCAGGATGA
Dvul4	<i>Diplodus vulagris</i>	Roques et al (2007a)	GCGGTTATGTATACGTTGCGTTTA	TTGGCGTTGAACAGAAGTCAGACA
Dvul61	<i>Diplodus vulagris</i>	Roques et al (2007a)	TGGGGACTCTCAGAATCATCACAA	TGGAAAAAGCCCTCTGGACAAAAG
Dvul84	<i>Diplodus vulagris</i>	Roques et al (2007a)	GCTCGACGTGCACTCTGCCCTTGA	ATTCCCCAAATCCAGCACTCACAT
LM12	<i>Lithognathus mormyrus</i>	Sala-Bozano et al (2009)	ACGGTATGGAGTCAACTGC	GAGTGTTTCTGACAGGATGAGAAC
LM19	<i>Lithognathus mormyrus</i>	Sala-Bozano et al (2009)	AAACACACCTTCCCTCTCTCT	AGCTGCTCAAACAGGCTATGA
LM68	<i>Lithognathus mormyrus</i>	Sala-Bozano et al (2009)	CTTCAGGGGCGTTTTCAGC	ACCAGGACAGGACCAGGTG
LM72	<i>Lithognathus mormyrus</i>	Sala-Bozano et al (2009)	ATTGCAGACATGTCAGATGC	TATGCTCTAATGGCAATGCTC
LM86	<i>Lithognathus mormyrus</i>	Sala-Bozano et al (2009)	ACTGCTGGCCTCTCTTTTGA	TGCCTCGTAATCCTCCACTT
Omel20	<i>Oblada melanura</i>	Roques et al. (2007b)	CAGGGTAGCAACAGGGTAACAATG	GGCGGTTGAGGACACTGCAAAAAA
Omel38	<i>Oblada melanura</i>	Roques et al. (2007b)	AGCCGGCTGAGCTCCATAATAACC	TGCCCTCTTGTCACACCAGGTCAC
Omel58	<i>Oblada melanura</i>	Roques et al. (2007b)	GGCATTATTGTTCCATCATTACTCC	ATGGCATAAACCTGCATCAGAAG
Omel61	<i>Oblada melanura</i>	Roques et al. (2007b)	CAGCGGGGGATTAATCTGCATTG	GCCCGATTATCTTCATCACCCAT

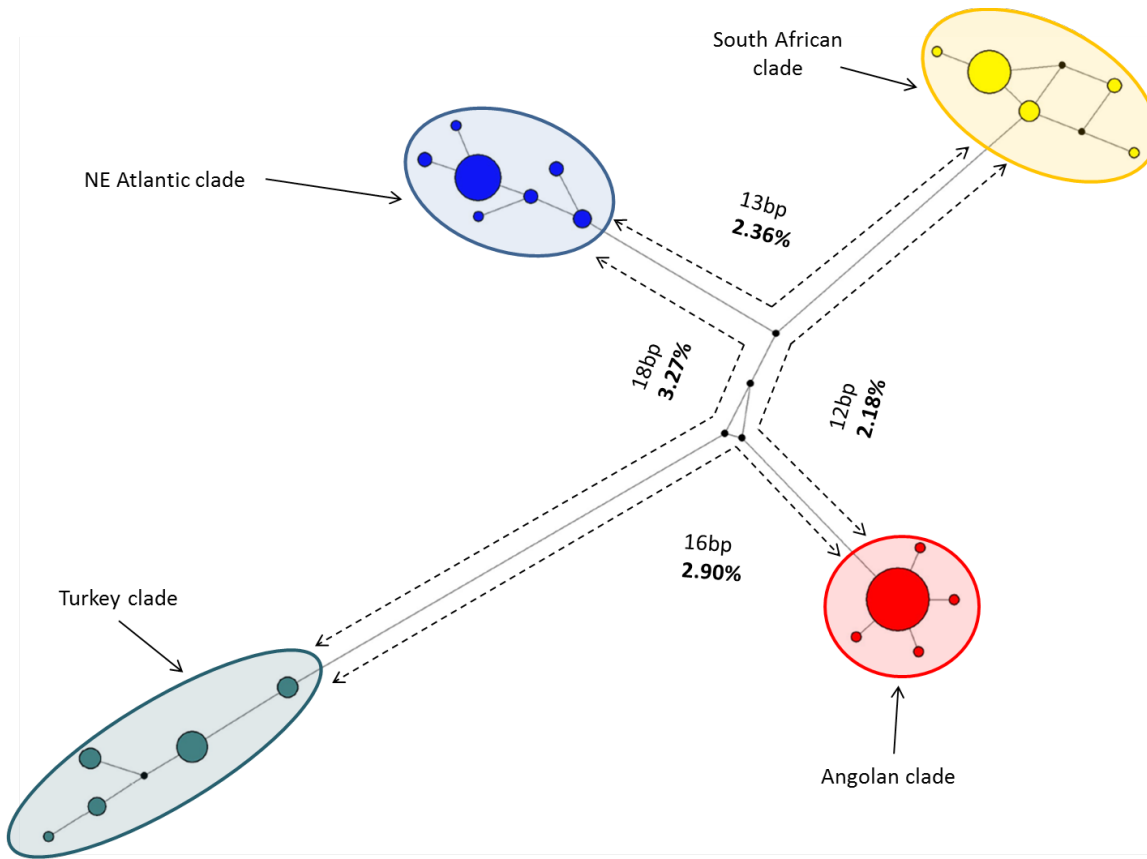


Figure 1. Median-joining haplotype network for *Spondyliosoma* spp based on 550bp of mtDNA COI. Node sizes are proportional to the observed number of individuals bearing that haplotype, with the smallest nodes representing a single individual. Predicted missing (or extinct) haplotypes are represented by small black nodes. Defined clades are encircled.