

**Population genetic structure and demographic history  
of *Aphanius fasciatus* (Cyprinodontidae:  
Cyprinodontiformes) from hypersaline habitats  
in the eastern Adriatic**

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Supplementary material

Table S1. – The list of localities of the origin of sequences retrieved from GenBank (N, number of sequences). Country codes: SLO, Slovenia; CRO, Croatia; MNE, Montenegro; ALB, Albania; ITA, Italy; MLT, Malta; TUN, Tunisia; GRE, Greece; ESP, Spain; ALG, Algeria; IRN, Iran.

Species	Locality	sample size	GenBank accession numbers	source	
<i>A. fasciatus</i>	Ganzirri (ITA)	6	EF440653 -55, 56-59	Rocco et al. 2007	
	Lesina (ITA)	10	EF440660 -69	Rocco et al. 2007	
	Marina di Modica (ITA)	14	EF440670 -83	Rocco et al. 2007	
	Contrada Manzonara (ITA)	5	EF440684 -88	Rocco et al. 2007	
	Pantano Longarini (ITA)	2	AJ605327, 29	Tigano et al. 2006	
	Pantano Viruca (ITA)	2	AJ605325, 28	Tigano et al. 2006	
	Foce Marcellino (ITA)	3	AJ605322, 23, 26	Tigano et al. 2006	
	Salina Curto Marsala (ITA)	5	AM184188, 198-201	Tigano et al. 2006	
		4	AM884565 -68	Pappalardo et al. 2008	
	Salina Chiusa Trapani (ITA)	2	AM184188, 97	Tigano et al. 2006	
		2	AM884569, 70	Pappalardo et al. 2008	
	Salina (MLT)	2	AM184186, 87	Tigano et al. 2006	
	Ghadira Bird Sanctuary (MLT)	3	AM184186, 88, 89,	Tigano et al. 2006	
	Lake Tunisi South (TUN)	6	AM184190 -95	Tigano et al. 2006	
	Ghar El Milh (TUN)	2	AM184190, 96	Tigano et al. 2006	
	Lusa (TUN)	2	JX406312, 26	Annabi et al. 2013	
	Oued Hamdoun (TUN)	2	JX406322, 24	Annabi et al. 2013	
	Sfax (TUN)	2	JX406313, 17	Annabi et al. 2013	
	Klisova marshes (GRE)	1	AF299273	Perdices et al. 2001	
	<i>A. iberus</i>	Villena lagoon (ESP)	2	AF299288 -89	Perdices et al. 2001
		San Pedro Pinatar (ESP)	2	AF299278 -79	Perdices et al. 2001
		Albuixec (ESP)	2	AF299286 -87	Perdices et al. 2001
		Santa Pola (ESP)	1	DQ367528	Blanco et al. 2006
Aiguamolls (ESP)		2	AF299276 -77	Perdices et al. 2001	
Adra (ESP)		2	AF299274 -75	Perdices et al. 2001	
Marchamalo (ESP)		1	DQ367529	Blanco et al. 2006	
<i>A. baeticus</i>	Salado Iro (ESP)	2	AF299284 -85	Perdices et al. 2001	
	Lucio del Hondón (ESP)	2	AF299282 -83	Perdices et al. 2001	
	Salado Conil (ESP)	2	AF299280 -81	Perdices et al. 2001	
<i>A. sophiae</i>	Kor River (IRN)	2	JN547800-01	Alavi-Yeganeh et al. 2014	
<i>A. mesopotamicus</i>	Karkkeh River (IRN)	1	JN565968	Alavi-Yeganeh et al. 2014	
<i>A. farsicus</i>	Kaftarak Spring (IRN)	1	JN547805	Alavi-Yeganeh et al. 2014	
<i>A. isfahanensis</i>	Gavkhoni Lagoon (IRN)	1	JN565969	Alavi-Yeganeh et al. 2014	
<i>A. saourensis</i>	Mazzer (ALG)	1	DQ367527	Blanco et al. 2006	
<i>A. vladkovi</i>	Zagros (IRN)	1	DQ367526	Blanco et al. 2006	
	Koran River (IRN)	1	JN547802	Alavi-Yeganeh et al. 2014	
	Shalamzar Spring (IRN)	1	JN547803	Alavi-Yeganeh et al. 2014	
<i>A. dispar</i>	Mehran River (IRN)	1	JN547798	Alavi-Yeganeh et al. 2014	

Table S2. – Haplotype frequencies for cyt B and mt DNA CR from the Adriatic localities. NG and SG explain populations belonging to the Northern and Southern groups, respectively

Localities	haplotype frequencies	
	cyt b	mt DNA CR
Sečovelje (NG)	APH5=90.9%; APH22=9.1%	APHCR11=80%; APHCR23=10%; APHCR24=10%
Pag (NG)	APH1=6.7%; APH5=66.7%; APH12=6.7%; APH13=6.7%; APH14=6.7%; APH15=6.7%	APHCR11=41.7%; APHCR15=25.0%; APHCR18=8.3%; APHCR19=8.3%; APHCR20=8.3%; APHCR21=8.3%
Dinjiška (NG)	APH5=7.1%; APH9=64.3%; APH10=21.4%; APH11=7.1%	APHCR11=91.7%; APHCR22=8.3%
Nin (NG)	APH5=73.3%; APH6=6.7%; APH7=6.7%; APH8=6.7%; APH9=6.7%	APHCR11=16.7%; APHCR13=8.3%; APHCR14=8.3%; APHCR15=50.0%; APHCR16=8.3%; APHCR17=8.3%
Pantan (NG)	APH5=93.3%; APH14=6.7%	APHCR11=90.9%; APHCR12=9.1%
Ston (SG)	APH1=75.0%; APH2=8.3%; APH3=8.3%; APH4=8.3%	APHCR1=72.7%; APHCR2=9.1%; APHCR3=9.1%; APHCR4=9.1%
Ulcinj (SG)	APH1=93.3%; APH16=6.7%	APHCR1=100%
Narta (SG)	APH17=73.3%; APH18=6.7%; APH19=6.7%; APH20=6.7%; APH21=6.7%	APHCR1=50%; APHCR5=8.3%; APHCR6=8.3%; APHCR7=8.3%; APHCR8=8.3%; APHCR9=8.3%; APHCR10=8.3%

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