Genetic connectivity between Atlantic bluefin tuna (ABFT) Larvae Spawned in the GOM and MED

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what?

Highly migratory ABFT is managed as two stocks, s. Western and Eastern. Western ABFT spawn mainly in the Gulf of Mexico (GOM) and Eastern ABFT in the Mediterranean Sea (MED).

> Why? understanding connectivity between ABFT populations for conservation and fisheries management.

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What's up?

	Genetíc Marker	ABFTStock		met in mater
		Western Atlantíc	Eastern Atlantíc	index ²
sequence	Larvae (22)	Lawae (21)		
		GOM	MED	0.010**
	Mícrosatellíte locí ¹	Lawae (62)	Lawae (50)	
		egom	MED	0.011*
		Larvae (30)	Lawae (50)	
		WGOM	MED	0.012**
	17	Larvae (32)	Lawae (50)	





 Atlantic Bluefin Historic Range
Western Spawning Area

> Spawning Area East-West Management Boundary

Migration Routes

Eastern

In a 🤝

Genetic diversity exclusively from Larvae of known origin. Connectivity between MED and eGOM ABFT breeders, stronger than MED and wGOM.

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