

Spatio-temporal patterns of larval fish settlement in the northwestern Mediterranean Sea

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Table S1. Description of the sampling sites, with: number of light-traps, shortest distance to the coast, bottom depth (min-max), protection level and bottom type.

Site	Light-traps (median [min-max])	Distance to the coast	Bottom depth	Protection level		Bottom type
				Natura 2000	MPA	
Port-Vendres	5 [1-5]	[120 - 270 m]	[15 - 22 m]	Posidonia of the Albères coast	MPA of Cerbère-Banyuls	Rocks, posidonia
Leucate	9 [4-9]	[120 - 1800 m]	[10 - 22 m]	Capes and lagoons of Leucate		Sand, rocks
Agde	5 [1-5]	[2800 - 3200 m]	[18 - 23 m]	Posidonia of the Cape Agde		Posidonia, sand, muddy-sand
Carry	8 [3-8]	[350 - 650 m]	[15 - 20 m]	Côte bleue	MPA of Carry le Rouet	Posidonia, rocks
Marseille	9 [3-18]	[800 - 1200 m]	[15 - 20 m]			Posidonia, rocks
Cassis	8 [3-8]	[300 - 500 m]	[15 - 20 m]			Sand, rocks
La Ciotat	11 [2-16]	[550 - 1300 m]	[15 - 20 m]	La Ciotat Bay		Sand, rocks
Les Embiez	7 [2-8]	[500 - 850 m]	[30 - 35 m]	Embiez - Cap Sicié	Les Embriez archipelago Marine reserve	Posidonia
Port-Cros	5 [1-5]	[120 - 788 m]	[12 - 15 m]	Hyères Harbor	Port-Cros National park	Posidonia, rocks, sand
Villefranche	3 [1-3]	[50 - 400 m]	[12 - 82 m]	Cap Ferrat		Posidonia, rocks, sand
Saint-Florent	5 [5-5]	[200 - 600 m]	[20 - 25 m]	Agriates and Cap Corse plateau	Cap Corse and Agriate National park	Posidonia, rocks
Bastia	9 [7-9]	[500 - 1600 m]	[20 - 25 m]	Great meadows of the west coast		Posidonia, sand
Bonifacio	5 [5-6]	[250 - 550 m]	[20 - 25 m]	Moines, Lavezzi and Cerbicale islands, Pertusato plateau	Bonifacio's Bouches Marine park	Sand, posidonia, rocks

Table S2. Dataset of the larval supply along the French Mediterranean coast, from October 2012 to December 2015. File available for download at:

https://www.int-res.com/articles/suppl/M13191_suppl2.csv

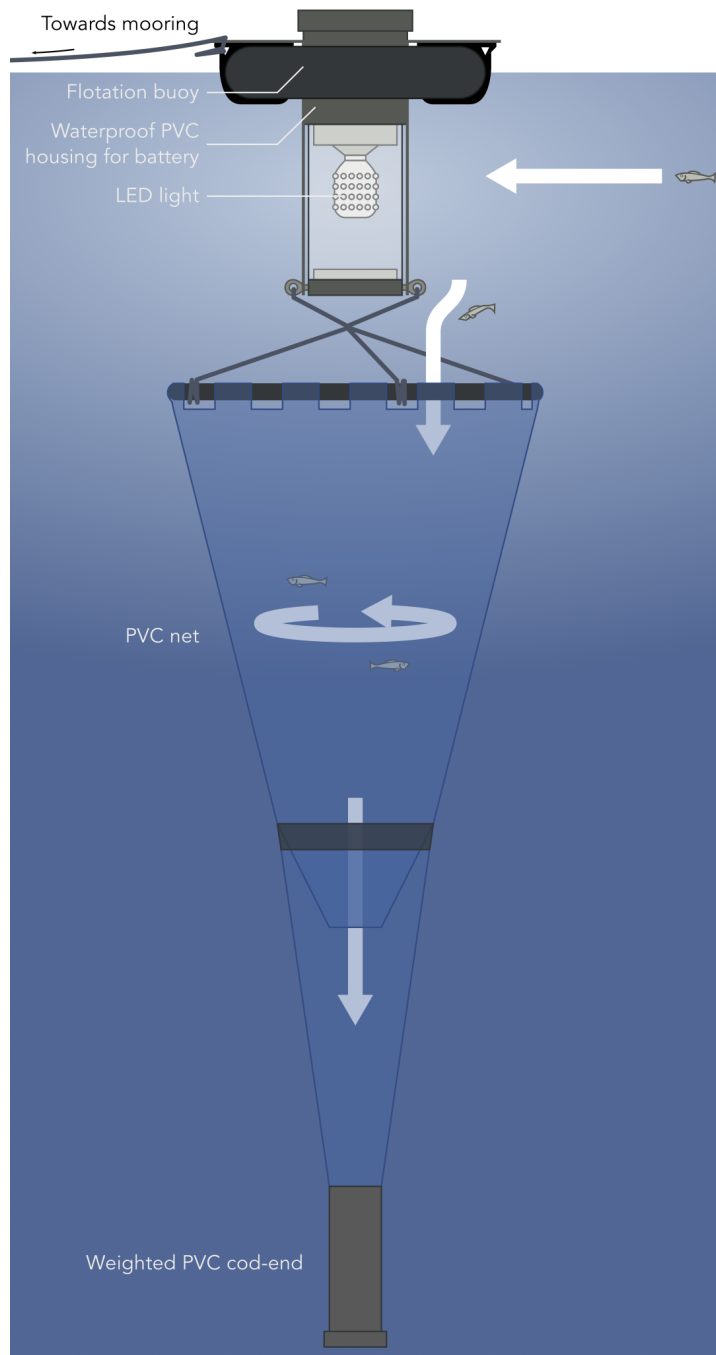


Fig. S1. Drawing of the operating principle of CARE light- traps (Lecaillon, 2004; SPC Live Reef Fish Information Bulletin 12:17–20).

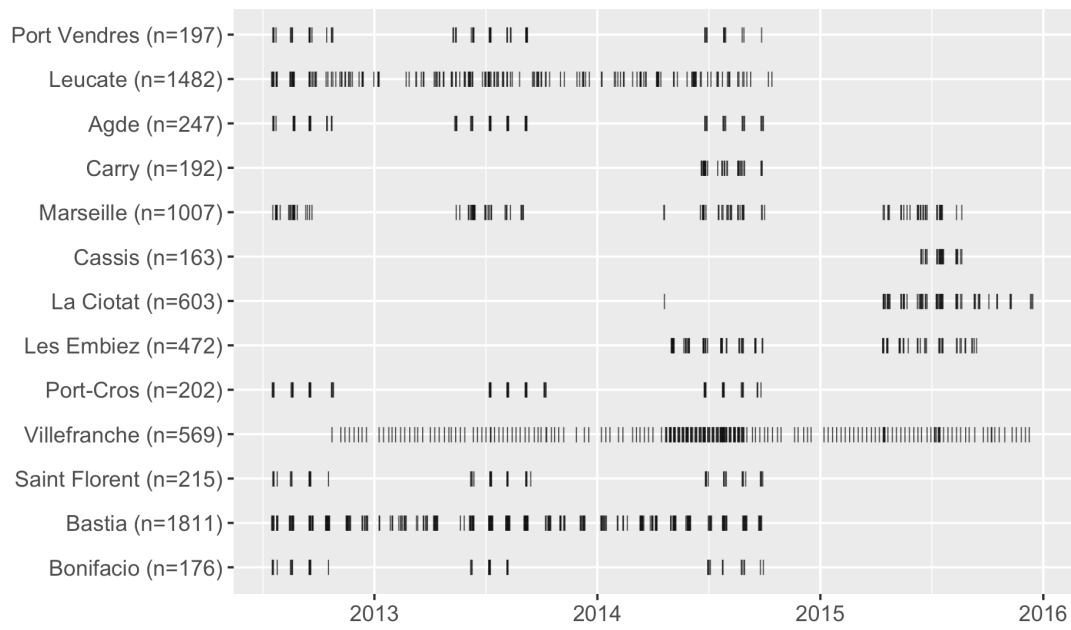


Fig. S2. Temporal distribution of sampling effort at each site over the entire period. The total number of light-trap-nights sampled at each site is indicated (n).

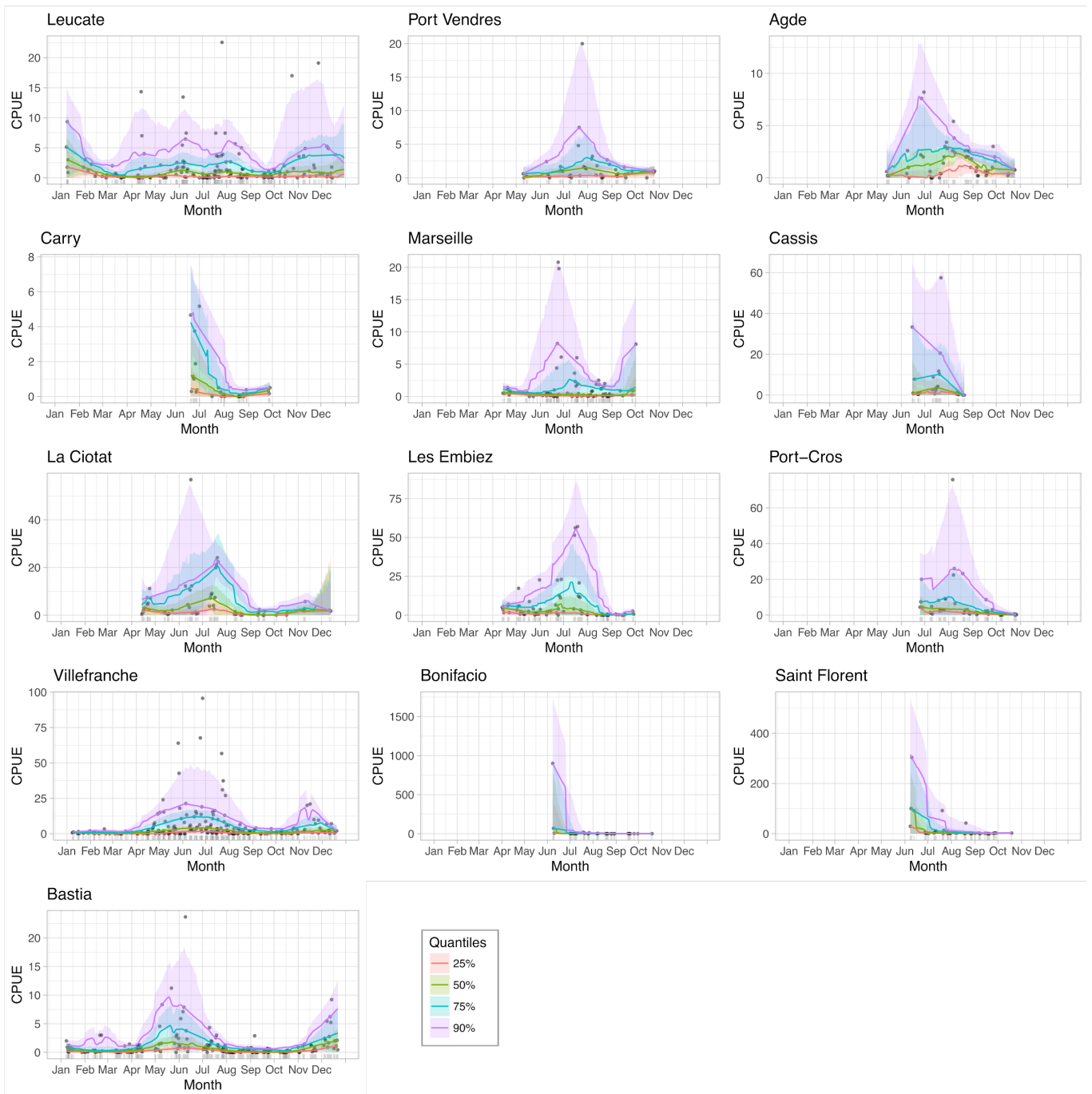


Fig. S3. Seasonality in total CPUE at each of the 13 sampling sites. Points are observed CPUEs; lines display the local quantile regressions for quantiles 25%, 50%, 75% and 90%, along with their 95% confidence interval (shaded areas). Catch events with CPUE >30 fish larvae/trap/night/site are cropped for plotting and indicated by ticks at the top of the figure.



Fig. S4. Correspondence analysis applied on relative abundances of meaningful species among years. The proportion of variance explained is given for each axis (%).

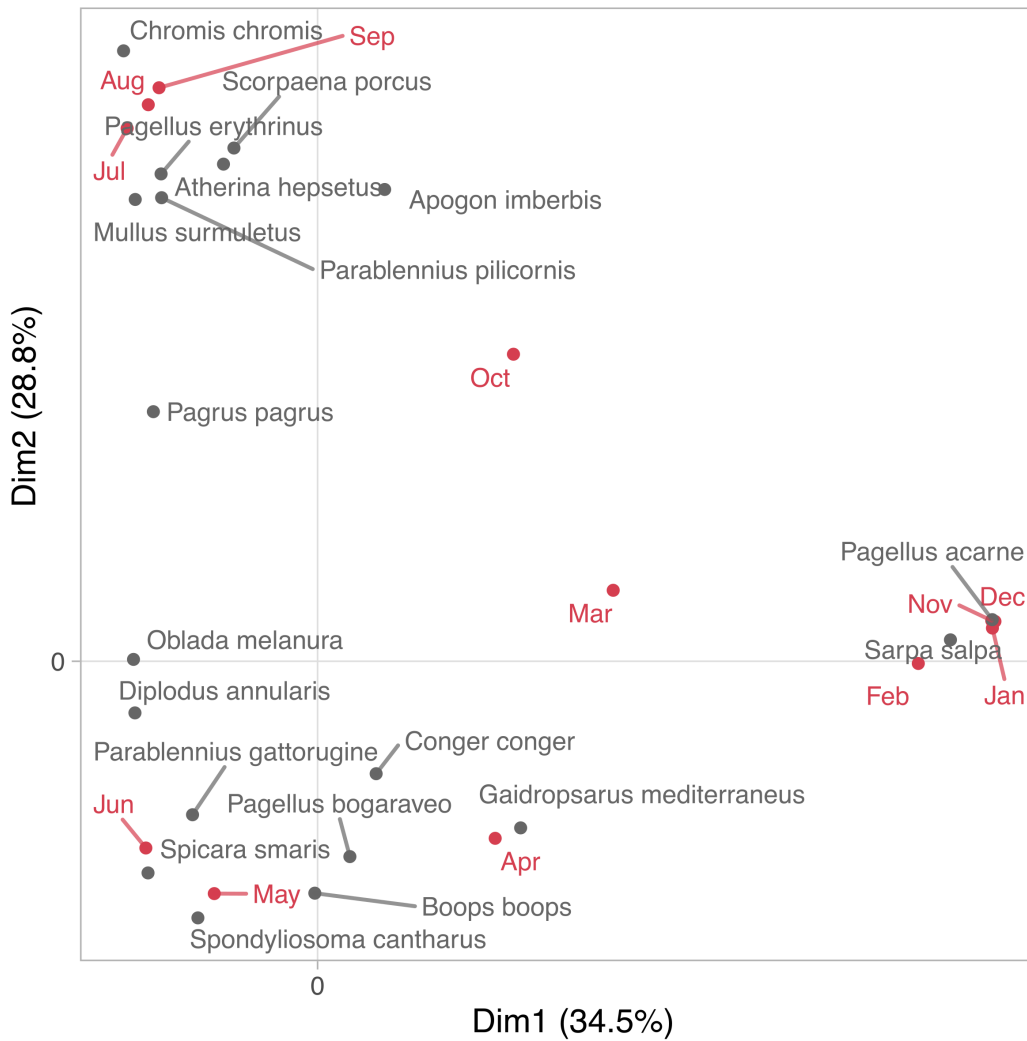


Fig. S5. Correspondence analysis applied on relative abundances of meaningful species among months. The proportion of variance explained is given for each axis (%).