

## Mediterranean Marine Science

Vol 18, No 2 (2017)



### Rapid establishment of the non-indigenous ascidian *Styela plicata* and its associated bacteria in marinas and fishing harbors along the Mediterranean coast of Israel

L. NOVAK, S. LÓPEZ-LEGENTIL, E. SIERADZKI, N. SHENKAR

doi: [10.12681/mms.2135](https://doi.org/10.12681/mms.2135)

#### To cite this article:

NOVAK, L., LÓPEZ-LEGENTIL, S., SIERADZKI, E., & SHENKAR, N. (2017). Rapid establishment of the non-indigenous ascidian *Styela plicata* and its associated bacteria in marinas and fishing harbors along the Mediterranean coast of Israel. *Mediterranean Marine Science*, 18(2), 324–331. <https://doi.org/10.12681/mms.2135>

Supplementary Data

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*Mediterranean Marine Science*, 2017, 18 (2)

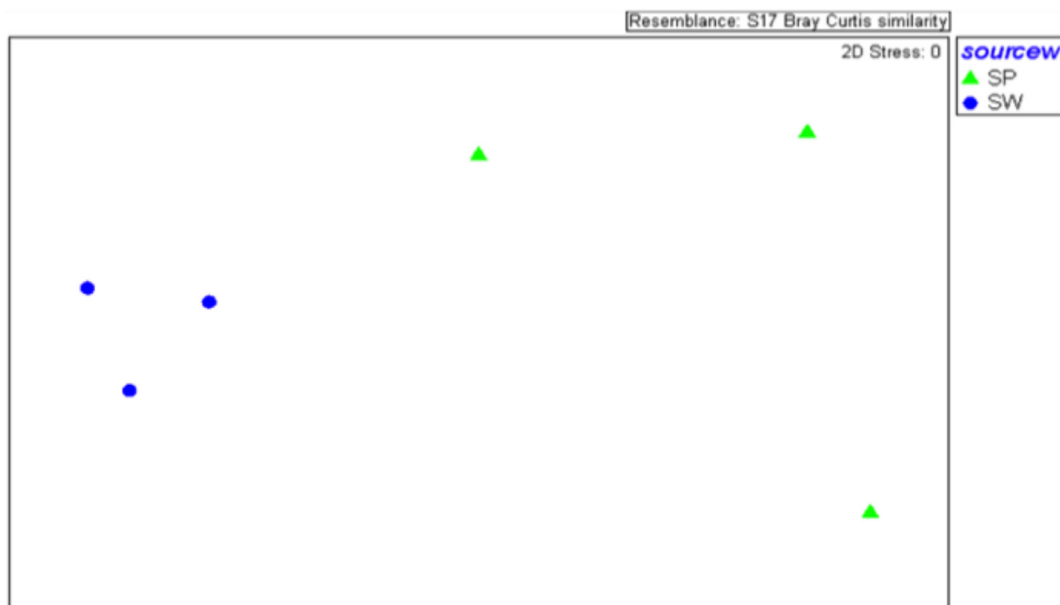


Fig. S1: Multidimensional scaling (MDS) plot for the microbial community of *S. plicata* (SP) and seawater (SW).

Table S1. Taxonomic composition and relative abundance (%) of three *S. plicata* individuals (SP) and three seawater samples (SW), based on a 97% cut-off sequence similarity to known OTUs and compared to *S. plicata* from Spain (shown only phyla present in all three samples) (Erwin *et al.*, 2013).

Bacterial phyla	SP1	SP2	SP3	SP Avg.	SW1	SW2	SW3	SW Avg.	Spain
Acidobacteria	0	0.055	1.691	0.582	0.640	0.901	0.553	0.698	
Actinobacteria	0.205	0	0.245	0.150	0.585	0.411	0.490	0.495	< 8
Bacteroidetes	3.500	1.564	12.658	5.908	31.542	35.248	32.759	33.183	19.5–32.7
Chloroflexi	0	0	0.032	0.011	0.016	0.008	0.008	0.011	< 8
Cyanobacteria	0.047	0.032	0.435	0.171	1.335	1.075	1.493	1.301	< 8
Fibrobacteres	0	0	0.008	0.003	0	0	0	0.000	
Firmicutes	0.119	0.190	2.062	0.790	0.111	0.150	0.158	0.140	< 8
Nitrospirae	0.032	0	0.016	0.016	0.008	0	0	0.003	
OP3	0	0	0.032	0.011	0	0	0	0.000	
Planctomycetes	0.229	0.111	1.114	0.485	0.419	0.205	0.292	0.306	9.8–12.8
Proteobacteria	92.723	8.1461	53.650	51.507	60.596	56.740	59.355	58.897	25.4–50.0
SAR406	0	0	0	0.000	0	0.016	0	0.005	
Thermi	0	0.008	0.032	0.013	0.300	0.316	0.593	0.403	
Verrucomicrobia	0.111	0.047	0.403	0.187	0.063	0.032	0.079	0.058	
WS3	0	0	0.008	0.003	0	0	0	0.000	
unclassified	3.034	89.847	27.615	40.165	4.385	4.899	4.219	4.501	

**Table S2.** BLASTn matches of top OTUs in *S. plicata* samples (SP) versus seawater samples (SW).

OTU	READS						Phylum	Lowest taxonomic rank	Top BLAST match (% Identity, accession number)	Ref.
	SP1	SP2	SP3	SW1	SW2	SW3				
0001	244	11284	280	2	1	2	<i>Chloroflexi</i>	Uncultured <i>Chloroflexi</i>	Sponge associated (88%, EF076231)	Taylor 2007
0003	10233	78	2	0	0	0	Unclassified	Uncultured environmental samples	Seawater (100%, JQ198505)	Bik 2011 unpublished
0006	41	33	703	331	245	321	<i>Proteobacteria</i> (α)	Family <i>Rhodobacteraceae</i>	<sup>1</sup> Salt marsh plant (100%, KT324750)	Fidalgo 2016
0009	8	9	1971	1	0	2	Unclassified	Uncultured environmental samples	Seawater (89%, FR875936)	Grünke 2012
0013	46	47	501	24	8	9	<i>Proteobacteria</i> (α)	Family <i>Pelagibacteraceae</i>	Seawater (100%, KX588323)	Bandekar 2016
0017	203	67	483	1	0	0	<i>Bacteroidetes</i>	Family <i>Saprospiraceae</i>	Seawater (100%, KT764025)	Zhao 2015 unpublished
0022	18	77	409	0	2	0	<i>Proteobacteria</i> (γ)	Uncultured environmental samples	Seawater (100%, KR077407)	Liu 2015 unpublished
0033	161	199	1	0	1	0	<i>Proteobacteria</i> (γ)	<sup>2</sup> uncultured SAR86 (pipeline: <i>Chromatium okenii</i> )	Seawater (100%, KX371459)	Mayali 2016 unpublished
0034	8	3	298	1	0	2	<i>Proteobacteria</i> (γ)	<i>Vibrio</i> sp.	<sup>1</sup> Salt marsh plant (100%, KT325172)	Fidalgo 2016
0057	230	89	0	0	0	0	<i>Proteobacteria</i> (α)	Family <i>Rhodobacteraceae</i>	<sup>3</sup> Sponge associated (100%, EU919124)	Wang 2008 unpublished

<sup>1</sup>Influence of metal(loid) contamination

<sup>2</sup> Purple sulfur bacteria; stagnant water

<sup>3</sup> Invasive sponge