

Mediterranean Marine Science

Vol 23, No 1 (2022)

VOL 23, No 1 (2022)



Estimations of free fatty acids (FFA) as a reliable proxy for larval performance in Mediterranean octocoral species

NÚRIA VILADRICH, LORENZO BRAMANTI,
GEORGIOS TSOUNIS, MARTINA COPPARI; CARLOS
DOMINGUEZ-CARRIÓ; AUDREY PRUSKI; SERGIO
ROSSI

doi: [10.12681/mms.27151](https://doi.org/10.12681/mms.27151)

To cite this article:

VILADRICH, N., BRAMANTI, L., TSOUNIS, G., COPPARI, M., DOMINGUEZ-CARRIÓ, C., PRUSKI, A., & ROSSI, S. (2022). Estimations of free fatty acids (FFA) as a reliable proxy for larval performance in Mediterranean octocoral species. *Mediterranean Marine Science*, 23(1), 115–124. <https://doi.org/10.12681/mms.27151>

Estimations of free fatty acids (FFA) as a reliable proxy for larval performance in Mediterranean octocoral species

Núria VILADRICH, Lorenzo BRAMANTI, Georgios TSOUNIS, Martina COPPARI,
Carlos DOMINGUEZ-CARRIÓ, Audrey M. PRUSKI and Sergio ROSSI

Mediterranean Marine Science, 2022, 23 (1)

Table S1. Mean values and standard deviation (SD) of free fatty acid (FFA) markers and saturated (SFA), monounsaturated (MUFA) and polyunsaturated fatty acids (PUFA) for *Corallium rubrum*, *Eunicella singularis* and *Paramuricea clavata* larvae.

	<i>Corallium rubrum</i>		<i>Eunicella singularis</i>		<i>Paramuricea clavata</i>	
	Mean	SD	Mean	SD	Mean	SD
C12:0	0.04	0.07	0.12	0.01	0.07	0.06
C13:0	0.00	0.00	0.02	0.03	0.00	0.00
C14:1(n-5)	0.00	0.00	0.04	0.06	0.00	0.00
C14:0	0.50	0.13	0.57	0.17	0.49	0.06
C15:1(n-5)	0.00	0.00	0.05	0.08	0.00	0.00
C15:0	0.23	0.07	0.27	0.07	0.10	0.09
C16:1(n-7)	0.66	0.22	5.73	1.56	1.01	0.05
C16:0	10.12	2.82	12.12	2.33	6.57	1.05
C17:1(n-7)	0.00	0.00	0.00	0.00	0.00	0.00
C17:0	0.51	0.10	0.37	0.13	0.18	0.16
C18:3(n-6)	0.00	0.00	1.08	0.70	0.00	0.00
C18:4(n-3)	2.37	0.80	1.75	2.71	0.14	0.12
C18:2(n-6)	4.30	0.94	0.73	0.82	9.44	3.88
C18:3(n-3)	5.39	1.22	17.29	14.82	2.40	1.11
C18:1(n-9)	62.44	6.70	19.09	16.57	27.86	14.71
C18:0	3.92	0.84	3.49	0.74	2.95	0.45
C20:4(n-6)	1.69	0.09	8.42	6.14	25.89	9.93
C20:5(n-3)	0.49	0.43	1.54	0.80	3.32	0.58
C20:3(n-6)	0.59	0.52	2.16	0.39	3.23	1.42
C20:4(n-3)	0.00	0.00	0.24	0.14	0.57	0.14
C20:2(n-6)	0.49	0.09	5.51	1.43	0.27	0.23
C20:1(n-9)	0.75	0.04	1.06	0.31	0.50	0.44
C20:0	0.17	0.02	0.12	0.03	0.08	0.07

Continued

Table S1 continued

	<i>Corallium rubrum</i>		<i>Eunicella singularis</i>		<i>Paramuricea clavata</i>	
	Mean	SD	Mean	SD	Mean	SD
C21:0	0.35	0.05	0.41	0.26	0.62	0.58
C22:5	0.00	0.00	0.08	0.08	0.14	0.12
C22:6(n-3)	0.00	0.00	2.15	1.93	4.59	1.36
C22:4	0.30	0.09	0.22	0.28	0.29	0.25
C22:5(n-x)	0.00	0.00	0.05	0.09	0.00	0.00
C22:2(n-6)	1.08	0.10	0.35	0.20	0.96	0.69
C22:1(n-9)	0.00	0.00	0.60	0.07	0.63	0.55
C22:0	0.67	0.05	8.59	14.16	1.46	1.32
C23:0	0.94	0.33	0.45	0.27	0.97	0.39
C24:PUFA	0.36	0.09	2.58	1.29	3.43	0.62
C24:1(n-9)	0.69	0.08	0.45	0.15	0.88	0.32
C24:0	0.94	0.12	0.45	0.11	0.96	0.47
SFA	18.39	4.37	26.98	11.60	14.45	1.48
MUFA	65.61	6.32	26.77	17.40	31.21	15.26
PUFA	15.98	2.08	46.26	6.17	54.33	13.87