Symbiodiniaceae activity enhances larval energy reserves in the Mediterranean gorgonian *Eunicella singularis*

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Table S1. Summary of average measurements of **A)** proximal composition, chlorophyll-a, Symbiodiniaceae abundance per larva at the beginning (T_0) and at the end (T_F) of larvae phase, **B)** respiration rates and photosynthesis during 3-h larvae incubations (10 larvae each batch), and **C)** ^{13}C and ^{15}N assimilation after 9-h larvae incubations. Data are expressed as mean ± standard deviation of all parameters measured. The number of successfully analyzed samples is indicated in brackets (n).

A) Proximal composition, Chlorophyll-a and Symbiodiniaceae abundance

Lipids (2019)	**T_0**	**T_F**	**%change**
Light (µg larvae^{-1})	77.24 ± 5.93 (n=4)	57.84 ± 6.72 (n=5)	-25
Dark (µg larvae^{-1})	75.75 ± 2.41 (n=5)	40.64 ± 2.83 (n=4)	-46
Lipids (2020)			
Light (µg larvae^{-1})	57.46 ± 7.01 (n=4)	16.35 ± 7.15 (n=5)	-72
Dark (µg larvae^{-1})	47.71 ± 5.68 (n=5)	10.61 ± 9.87 (n=5)	-78
Carbohydrates (2019)			
Light (µg larvae^{-1})	2.64 ± 0.26 (n=5)	4.37 ± 0.41 (n=4)	+66
Dark (µg larvae^{-1})	2.44 ± 0.47 (n=5)	2.41 ± 0.34 (n=4)	-1
Proteins (2019)			
Light (µg larvae^{-1})	19.64 ± 2.43 (n=5)	14.50 ± 3.17 (n=5)	-26
Dark (µg larvae^{-1})	20.45 ± 1.36 (n=5)	14.76 ± 1.16 (n=4)	-28
Chlorophyll a (2019)			
Light (ng larvae-1)	13.23 ± 4.76 (n=5)	36.15 ± 2.71 (n=5)	+173
Dark (ng larvae-1)	18.35 ± 3.79 (n=5)	7.12 ± 1.17 (n=4)	-61
Chlorophyll a (2020)			
Light (ng larvae-1)	14.54 ± 7.26 (n=5)	14.40 ± 8.21 (n=5)	-1
Dark (ng larvae-1)	15.29 ± 2.22 (n=5)	8.15 ± 3.36 (n=4)	-47

Pheophytin (2019)			
Light (%)	4.1 ± 0.9 (n=5)	3.8 ± 0.1 (n=5)	-7
Dark (%)	7.3 ± 0.8 (n=5)	35.8 ± 5.1 (n=4)	+390
Pheophytin (2020)			
Light (%)	8.1 ± 1.8 (n=5)	5.6 ± 1.2 (n=5)	-31
Dark (%)	7.4 ± 2.2 (n=5)	15.1 ± 1.7 (n=4)	+104
Symbiodiniaceae (2020)			
Light (cells larvae^{-1})	121 ± 36 (n=19)	230 ± 138 (n=26)	+90
Dark (cells larvae^{-1})	119 ± 108 (n=8)	82 ± 65 (n=57)	-31

B) Respiration rates and photosynthesis

Respiration rates	
Light (µmol. min^{-1}larva^{-1})	0.21 ± 0.11 (n=2)
Dark (µmol. min^{-1}larva^{-1})	0.45 ± 0.09 (n=2)
Photosynthesis	
Light (µmol. min^{-1}larva^{-1})	0.12 ± 0.08 (n=2)
Dark (µmol. min^{-1}larva-^{1})	0.48 ± 0.04 (n=2)

C) ^{13}C and ^{15}N assimilation	**C**	**N**	**C/N**
Light (nmol C(N) h^{-1} larvae^{-1})	0.15 ± 0.03 (n=3)	0.01 ± 0.00 (n=3)	21.45 ± 2.17 (n=3)
Dark (nmol C(N) h^{-1} larvae^{-1})	0.17 ± 0.02 (n=3)	0.01 ± 0.00 (n=3)	20.15 ± 2.89 (n=3)