

Supplementary Material

Table S1. Physicochemical parameters of water within the study area.

Period	Temperature (°C)	pH	Dissolved O ₂ (ppm)	Salinity (g L ⁻¹)
Positioning (February 2019)	10.2 ± 0.9	8.0 ± 0.5	7.9 ± 0.7	35 ± 2
I Monitoring (April 2019)	15.5 ± 0.4	8.1 ± 0.8	7.7 ± 0.9	35 ± 3
II Monitoring (May 2019)	17.2 ± 0.9	8.3 ± 0.6	7.5 ± 0.6	35 ± 2

Table S2. Deposition of *Tritia mutabilis* egg capsules along the Southern Adriatic coastal area of the Marche region (Italy) using innovative artificial substrates (mean ± SD). The gray line refers to the second monitoring.

Site	Location GMS	Pyramid #	Covered surface (%)	Egg capsules (total number)	Embryos per capsule
A	N 42° 58' 38.0" E 13° 54' 20.9"	1	58.5	14040	15.2 ± 4.0
		2	53.0	12720	15.7 ± 3.5
		3	43.7	10500	15.4 ± 2.8
		1	72.7	17460	15.6 ± 3.1
		2	66.5	15960	15.8 ± 3.3
		3	62.5	15000	15.3 ± 3.6
B	N 42° 58' 50.8" E 13° 57' 94.5"	1	46.0	11040	15.3 ± 4.5
		2	53.5	12840	15.7 ± 2.7
		3	38.0	9120	16.1 ± 4.1
		1	64.7	15540	14.9 ± 3.4
		2	66.7	16020	15.7 ± 3.5
		3	53.5	12840	15.2 ± 3.3
C	N 43° 08' 94.7" E 13° 50' 85.0"	1	83.0	19920	15.6 ± 3.1
		2	62.5	15000	15.9 ± 3.2
		3	73.5	17640	15.3 ± 3.0
		1	n.a.	n.a.	
		2	n.a.	n.a.	
		3	79.0	18960	15.6 ± 3.2
D	N 42° 58' 99.4" E 13° 54' 16.2"	1	0.5	120	15.9 ± 3.4
		2	2.2	540	15.3 ± 3.8
		3	0.1	30	15.5 ± 4.2
		1	30.7	7380	15.3 ± 4.8
		2	45.0	10800	15.8 ± 3.3
		3	43.2	10380	14.8 ± 3.5

E	N 43° 02' 62.5" E 13° 53' 18.8"	1	41.2	9860	14.7 ± 5.6
		2	57.7	13860	15.1 ± 3.7
		3	64.7	15540	15.8 ± 2.5
		1	71.0	17040	14.7 ± 3.5
		2	94.2	22620	15.3 ± 3.2
		3	97.0	23280	15.8 ± 3.2
F	N 43° 02' 52.2" E 13° 53' 44.2"	n.a.			
G	N 43° 02' 72.6" E 13° 53' 27.5"	n.a.			
H	N 43° 02' 55.3" E 13° 52' 52.0"	1	76.2	18300	14.8 ± 3.8
		2	55.5	13320	15.7 ± 4.3
		3	n.a.	n.a.	
		1	54.5	13080	15.6 ± 3.3
		2	58.2	13980	15.9 ± 3.5
		3	n.a.	n.a.	
I	N 42° 58' 54.6" E 13° 52' 93.7"	1	57.2	13740	15.3 ± 3.7
		2	60.7	14580	15.4 ± 3.6
		3	n.a.	n.a.	
		1	79.0	18960	15.8 ± 3.2
		2	63.5	15240	15.1 ± 5.7
		3	n.a.	n.a.	
L	N 42° 59' 47.4" E 13° 53' 83.0"	1	55.5	13320	15.3 ± 4.2
		2	58.7	14100	15.6 ± 2.8
		3	81.2	19500	15.5 ± 3.1
		1	68.0	16320	15.4 ± 3.3
		2	65.7	15780	14.9 ± 3.8
		3	64.7	15540	15.6 ± 3.7

n.a.: not analyzed

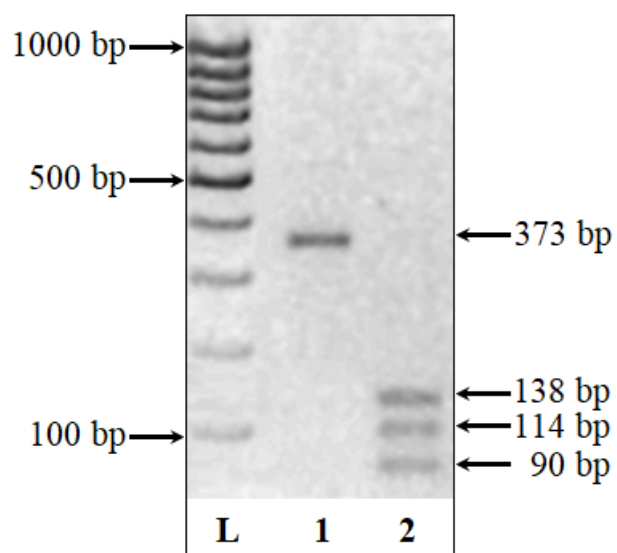


Figure S1. Restriction fragment patterns obtained from *Tritia reticulata* egg capsules. Agarose-gel electrophoresis image shows cytochrome c oxidase subunit I (COI) PCR fragment before (1) and after (2) restriction digestion with DdeI enzyme. The smallest restriction fragment (*i.e.*, 31 bp) is not visible on the agarose gel. L shows 100 bp Opti-DNA (abm) as molecular marker.