

Epibiont communities of loggerhead marine turtles (*Caretta caretta*) in the western Mediterranean: influence of geographical and ecological factors

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Appendix 1. Occurrence of 166 epibiont species used for a geographical comparison of 9 samples of loggerhead marine turtle, *Caretta caretta*. wMed1: western Mediterranean (this study), cMed1: central Mediterranean (Gramentz, 1988), cMed2: central Mediterranean (Casale *et al.*, 2012), eMed1: eastern Mediterranean (Kitsos *et al.*, 2005), eMed2: eastern Mediterranean (Fuller *et al.*, 2010), Atl1N: North part of the northwestern Atlantic (Caine, 1986), Atl2: North part of the northwestern Atlantic (Frick *et al.*, 1998), Atl1S: South part of the northwestern Atlantic (Caine, 1986), Atl3: South part of the northwestern Atlantic (Pfaller *et al.*, 2008*).

n Source	Mediterranean					Atlantic			
	wMed	cMed		eMed		nwAtl			
						North part		South part	
	104 wMed1	101 cMed1	117 cMed2	37 eMed1	100 eMed2	67 Atl1N	65 Atl2	71 Atl1S	52 Atl3
Crustacea (Cirripedia)									
<u>Family Chelonibiidae</u>									
<i>Chelonibia testudinaria</i>	x	x	x	x	x	x	x	x	x
<i>Chelonibia caretta</i>	x		x		x	x	x	x	x
<i>Chelonibia patula</i>	x			x					
<u>Family Lepadidae</u>									
<i>Lepas hillii</i>	x	x							
<i>Lepas anatifera</i>	x	x	x	x	x	x	x	x	
<i>Lepas anserifera</i>	x								
<i>Lepas pectinata</i>	x						x		x
<i>Conchoderma virgatum</i>	x	x	x	x					
<u>Family Platylepadidae</u>									
<i>Platylepas coriacea</i>		x							
<i>Platylepas hexastylus</i>	x	x	x	x					
<i>Stomatolepas elegans</i>	x		x	x					
<u>Family Stomatolepadinae</u>									
<i>Stephanolepas muricata</i>	x		x						
<u>Family Balanidae</u>									
<i>Amphibalanus amphitrite</i>	x	x		x		x	x	x	
<i>Amphibalanus eburneus</i>				x			x		
<i>Perforatus perforatus</i>	x			x					
<i>Balanus trigonus</i>	x			x					
<i>Pachylasma giganteum</i>				x					
<u>Family Archaeobalanidae</u>									
<i>Conopea galeata</i>									x
<u>Family Chthamalidae</u>									
<i>Chthamalus fragilis</i>							x		
<i>Chthamalus stellatus</i>							x		
Crustacea (Malacostraca)									

<i>Dendrobranchiata</i> sp.	x								
<u>Family Grapsidae</u>									
<i>Planes minutus</i>	x	x	x			x	x	x	
<i>Pachygrapsus</i> sp.							x	x	
<u>Family Panopeidae</u>									
<i>Neopanope texana</i>						x			
<i>Panopeus herbstii</i>						x	x		
<i>Dyspanopeus sayi</i>						x			
<u>Family Hippolytidae</u>									
<i>Lysmata wurdemanni</i>							x		
<u>Family Caprellidae</u>									
<i>Caprella andreae</i>	x	x	x	x		x	x	x	x
<i>Caprella fretensis</i>					x				
<i>Caprella penantis</i>				x			x		x
<i>Caprella equilibra</i>						x	x		x
<i>Caprella scaura</i>									x
<i>Paracaprella tenuis</i>						x	x	x	
<u>Family Hyalidae</u>									
<i>Apoehyale prevostii</i>					x				
<i>Hyalae schmidti</i>					x				
<i>Hyalae grimaldii</i>	x	x	x	x					
<u>Family Podoceridae</u>									
<i>Podocerus chelonophilus</i>	x		x	x		x	x	x	
<u>Family Corophiidae</u>									
<i>Monocorophium acherusicum</i>				x					
<i>Apocorophium acutum</i>				x					
<u>Family Ischyroceridae</u>									
<i>Erichthonius punctatus</i>							x	x	
<i>Jassa</i> sp.	x								
<u>Family Maeridae</u>									
<i>Elasmopus rapax</i>	x			x		x		x	
<u>Family Stenothoidae</u>									
<i>Stenothoe minuta</i>						x	x	x	
<u>Family Ampithoidae</u>									
<i>Ampithoe ramondi</i>						x	x	x	
<u>Family Melitidae</u>									
<i>Dulichella appendiculata</i>							x		
<u>Family Tanaidae</u>									
<i>Parasinelobus chevreuxi</i>					x				
<i>Hexapleomera robusta</i>	x	x	x	x		x	x	x	x
<u>Family Leptocheliidae</u>									
<i>Leptochelia savignyi</i>				x					
<u>Family Idoteidae</u>									
<i>Idotea</i> sp.	x								
<u>Family Sphaeromatidae</u>									
<i>Sphaeroma quadridentatum</i>						x	x		
<u>Family Entoniscidae</u>									
<i>Cancrion carolinus</i>							x		
Crustacea (Maxillopoda)									
<i>Harpacticoida</i> sp.	x								
<u>Family Balaenophilidae</u>									
<i>Balaenophilus umigamecolus</i>	x								
Mollusca (Bivalvia)									
<u>Family Arcidae</u>									
<i>Anadara corbuloides</i>				x					

<i>Lunarca ovalis</i>				x	
<u>Family Anomiidae</u>					
<i>Anomia ephippium</i>	x		x		
<i>Anomia simplex</i>				x	x
<u>Family Pectinidae</u>					
<i>Mimachlamys varia</i>			x		
<i>Argopecten gibbus</i>					x
<u>Family Hiatellidae</u>					
<i>Hiatella arctica</i>	x				
<i>Hiatella rugosa</i>			x		
<u>Family Mytilidae</u>					
<i>Gibbomodiola adriatica</i>			x		
<i>Modiolus barbatus</i>			x		
<i>Mytilaster lineatus</i>			x		
<i>Mytilus galloprovincialis</i>	x		x		
<i>Sphenia fragilis</i>				x	x
<i>Brachidontes exustus</i>					x
<i>Musculus</i> sp.	x				x
<i>Musculus lateralis</i>					x
<u>Family Ostreidae</u>					
<i>Ostrea edulis</i>	x		x		
<i>Crassostrea virginica</i>				x	
<i>Ostrea equestris</i>					x
<u>Family Pinnidae</u>					
<i>Atrina</i> sp.					x
<u>Family Veneridae</u>					
<i>Gouldia cerina</i>				x	x
<i>Chioneryx grus</i>					x
<i>Petricola bicolor</i>					x
Mollusca (Gastropoda)					
<u>Family Cerithiidae</u>					
<i>Bittium</i> sp.	x				
<u>Family Chaetopleuridae</u>					
<i>Chaetopleura apiculata</i>					x
<u>Family Facelinidae</u>					
<i>Cratena pilata</i>					x
<u>Family Calyptraeidae</u>					
<i>Crepidula fornicata</i>				x	x
<i>Crepidula plana</i>				x	x
<u>Family Fissurellidae</u>					
<i>Diodora cayenensis</i>					x
<u>Family Dendrodorididae</u>					
<i>Doriopsilla pharpa</i>					x
<u>Family Dorididae</u>					
<i>Doris verrucosa</i>					x
<u>Family Dotidae</u>					
<i>Miesea evelina</i>					x
<u>Family Columbelloidea</u>					
<i>Astyris lunata</i>				x	x
<u>Family Muricidae</u>					
<i>Phyllonotus pomum</i>					x
<u>Family Strombidae</u>					
<i>Strombus alatus</i>					x
<i>Lobatus gigas</i>					x
Mollusca (Polyplacophora)					
<u>Family Ischnochitonidae</u>					

<i>Ischnochiton striolatus</i>										X
Annelida (Polychaeta)										
<i>Aciculata</i> spp.	X									
Family Nereididae										
<i>Ceratonereis costae</i>				X						
Family Cirratulidae										
<i>Cirriformia tentaculata</i>				X						
Family Sabellidae										
<i>Parasabella langerhansi</i>				X						
<i>Sabellaria floridensis</i>										X
<i>Sabellaria vulgaris</i>								X	X	X
Family Eunicidae										
<i>Leodice torquata</i>				X						
Family Hesionidae										
<i>Hesiospina similis</i>				X						
Family Serpulidae										
<i>Hydroides dianthus</i>				X						
<i>Hydroides elegans</i>			X	X						
<i>Hydroides niger</i>				X						
<i>Hydroides norvegicus</i>				X						
<i>Hydroides stoichadon</i>				X						
<i>Spirobranchus triqueter</i>	X		X	X						
<i>Serpula concharum</i>				X						
<i>Serpula vermicularis</i>	X			X				X		X
<i>Filograna implexa</i>								X	X	X
Family Nereididae										
<i>Neanthes caudata</i>				X						
<i>Alitta succinea</i>				X						
<i>Nereis zonata</i>				X						
<i>Platynereis dumerilii</i>				X						
<i>Nereis falsa</i>									X	X
Family Phyllodoceidae										
<i>Phyllodoce mucosa</i>				X						
Family Spionidae										
<i>Prionospio multibranchia</i>				X						
<i>Spio decoratus</i>				X						
Family Dorvilleidae										
<i>Schistomeringos rudolphii</i>				X						
<i>Dorvillea sociabilis</i>									X	
Family Syllidae										
<i>Syllis prolifera</i>				X						
<i>Syllis variegata</i>				X						
<i>Procerea fasciata</i>									X	
<i>Haplosyllis spongicola</i>									X	
Family Terebellidae										
<i>Terebella lapidaria</i>				X						
<i>Thelepus setosus</i>				X						
Family Hesionidae										
<i>Oxydromus obscurus</i>									X	X
Annelida (Hirudinea)										
<i>Ozobranchus margoii</i>	X			X					X	
Annelida (Oligochaeta)										
<i>Enchytraeidae</i> sp.				X						
Family Tubificidae										
<i>Naidinae</i> sp.				X						
<i>Tubificidae</i> sp.				X						

Cnidaria (Hydrozoa)							
<u>Family Campanulariidae</u>							
<i>Laomedea flexuosa</i>				x			
<i>Obelia geniculata</i>			x				
<i>Obelia dichotoma</i>					x	x	x x
<u>Family Pennariidae</u>							
<i>Pennaria disticha</i>						x	
<u>Family Hydractiniidae</u>							
<i>Hydractinia echinata</i>						x	
<u>Family Tubulariidae</u>							
<i>Ectopleura crocea</i>					x	x	x x
Cnidaria (Anthozoa)							
<u>Family Aiptasiidae</u>							
<i>Aiptasiogeton pellucidus</i>			x				
<i>Aiptasia pallida</i>						x	
<u>Family Actiniidae</u>							
<i>Anemone</i> sp.							x
<i>Anemonia sargassensis</i>					x	x	
<i>Bunodosoma cavernatum</i>						x	
<u>Family Hormathiidae</u>							
<i>Calliactis tricolor</i>						x	
<u>Family Diadumenidae</u>							
<i>Diadumene lineata</i>						x	
<u>Family Gorgoniidae</u>							
<i>Leptogorgia virgulata</i>					x	x	x x
<u>Family Poritidae</u>							
<i>Porites porites</i>							x
<u>Family Ricordeidae</u>							
<i>Ricordea florida</i>							x
Echinodermata (Ophiuroidea)							
<u>Family Ophiidermatidae</u>							
<i>Ophioconis forbesi</i>			x				
Echinodermata (Echinoidea)							
<u>Family Arbaciidae</u>							
<i>Arbacia punctulata</i>							x
<u>Family Toxopneustidae</u>							
<i>Lytechinus variegatus</i>							x
Bryozoa							
<u>Family Bugulidae</u>							
<i>Bugula neritina</i>						x	x
<i>Bugula fulva</i>							x
<u>Family Vesiculariidae</u>							
<i>Amathia distans</i>						x	
<u>Family Nolellidae</u>							
<i>Anguinella palmata</i>						x	
<u>Family Membraniporidae</u>							
<i>Membranipora tenuis</i>						x	x
<i>Biflustra arborescens</i>							x
<i>Jellyella tuberculata</i>							x
<u>Family Schizoporellidae</u>							
<i>Schizoporella unicornis</i>							x
<u>Family Thalamoporellidae</u>							
<i>Thalamoporella floridana</i>							x
Porifera							
<u>Family Clionaidae</u>							
<i>Cliona celata</i>						x	

<u>Family Chalinidae</u>					
<i>Chalinula loosanoffi</i>				x	
<u>Family Microcionidae</u>					
<i>Clathria (Clathria) prolifera</i>				x	
<u>Family Mycalidae</u>					
<i>Mycale americana</i>				x	
Chordata (Ascidacea)					
<u>Family Polyclinidae</u>					
<i>Aplidium constellatum</i>				x	
<u>Family Didemnidae</u>					
<i>Didemnum duplicatum</i>				x	
<u>Family Polycitoridae</u>					
<i>Eudistoma carolinense</i>				x	
<u>Family Molgulidae</u>					
<i>Molgula manhattensis</i>				x	x
<i>Molgula occidentalis</i>					x
<u>Family Perophoridae</u>					
<i>Perophora viridis</i>				x	

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