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## Phenology of *Anemonia viridis* and *Exaiptasia diaphana* (Cnidaria: Anthozoa) from marine temperate ecosystems

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**Table S1.** Table summarizing the associated benthic fauna and flora throughout the year (from July 2013 to June 2014). Information about phylum and species name are provided.

### Fauna and flora *Anemonia viridis*

Phylum	Species	Jul-13	Aug-13	Sep-13	Oct-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
Chlorophyta	<i>Bryopsis</i> sp. (J. V. Lamouroux, 1809)							x				
Rhodophyta	<i>Chondracanthus acicularis</i> (Roth) Fred-ericq, 1993					x	x					
Rhodophyta	Ecrusting Corallinaceae			x							x	
Ochrophyta	<i>Cystoseira cf. barbata</i> (Stackhouse) C. Agardh, 1820					x						
Ochrophyta	<i>Cystoseira</i> sp. (C. Agardh, 1820)	x	x						x	x	x	
Ochrophyta	<i>Dictyota dichotoma</i> (Hudson) J. V. Lamouroux, 1809	x	x		x	x	x			x	x	
Rhodophyta	<i>Ellisolandia elongata</i> (J. Ellis & Solander, 1786)				x	x						
Rhodophyta	<i>Gracilariaria bursa-pastoris</i> (S. G. Gmelin) P. C. Silva, 1952					x		x	x	x	x	
Rhodophyta	<i>Gracilaria</i> sp. (Greville, 18309)				x							
Rhodophyta	<i>Hypnea musciformis</i> (Wulfen) J. V. Lamouroux, 1809	x										
Cyanobacteria	Oscillatoriaceae (Engler, 1898)			x								
Myzozoa	<i>Ostreopsis ovata</i> (Fukuyo, 1981)		x	x			x					
Rhodophyta	<i>Polysiphonia</i> (Greville, 1823)		x									
Rhodophyta	<i>Rhodophyllis divaricata</i> (Stackhouse) Pa-penfuss, 1950	x	x									
Rhodophyta	<i>Rhodymenia ardissoni</i> (Kuntze) Feldmann, 1937	x	x									
Rhodophyta	<i>Titanoderma</i> sp. (Nägeli, 1858)	x		x		x	x	x		x	x	
Chlorophyta	<i>Ulva enteromorpha</i> (Le Jolis, 1863)									x	x	
Chlorophyta	<i>Ulva</i> sp. (Linnaeus, 1753)	x	x	x				x	x	x	x	
Porifera	<i>Cliona adriatica</i> (Calcinai, Bavestrello, Cuttone, Cerrano, 2001)					x						
Porifera	<i>Dysidea avara</i> (Schmidt, 1862)				x							
Porifera	<i>Sarcotragum spinosulus</i> (Schmidt, 1862)						x					
Porifera	Orange encrusting sponge							x				
Porifera	Yellow encrusting sponge				x					x		
Porifera	Red encrusting sponge	x										

Continued

Table continued

Phylum	Species	Jul-13	Aug-13	Sep-13	Oct-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
Porifera	<i>Tedania (Tedania)</i> (Gray, 1867)	x			x	x		x				x
Mollusca	<i>Conus ventricosus</i> (Gmelin, 1971)			x								
Mollusca	<i>Rocellaria dubia</i> (Pennant, 1777)	x	x		x	x	x	x	x	x	x	
Mollusca	<i>Mytilus galloprovincialis</i> (Lamarck, 1819)	x	x	x	x	x	x	x	x	x	x	
Mollusca	<i>Ostrea</i> sp. (Linnaeus, 1758)			x		x			x	x		
Mollusca	<i>Pholas dactylus</i> (Linnaeus, 1758)	x	x	x	x	x	x	x		x	x	
Arthropoda	<i>Balanus</i> spp. (Costa, 1778)			x								
Echinodermata	<i>Paracentrotus lividus</i> (Lamarck, 1816)				x							
Chordata	<i>Microcosmus</i> sp. (Heller, 1877)						x					
Chordata	<i>Phallusia fumigata</i> (Grube, 1846)						x				x	
Chordata	<i>Phallusia nigra</i> (Savigny, 1816)				x							

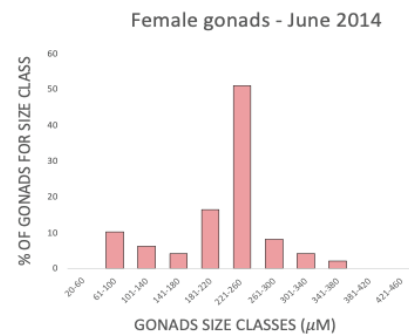
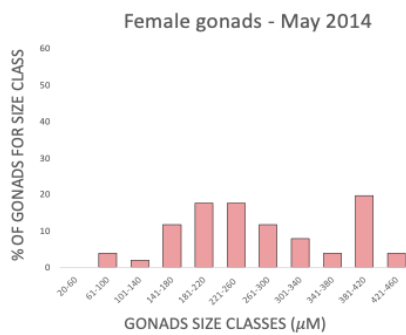
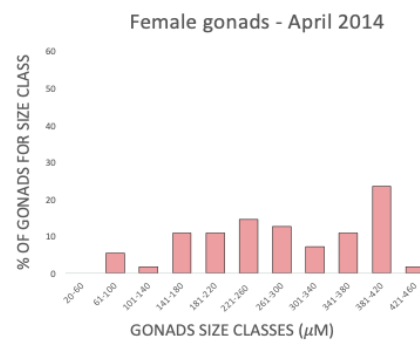
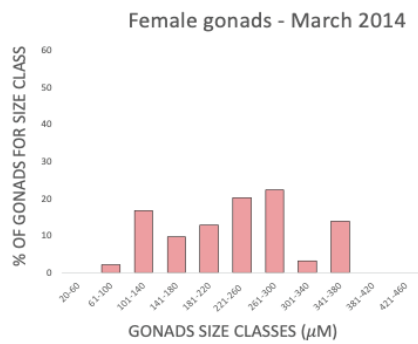
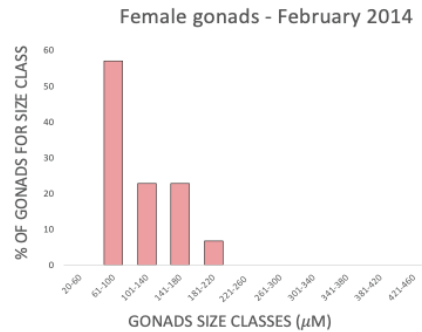
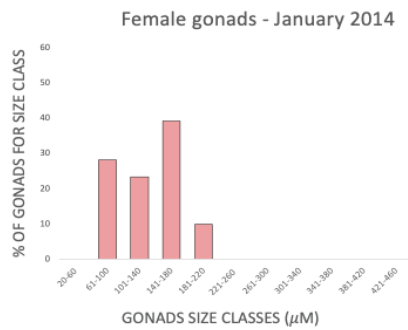
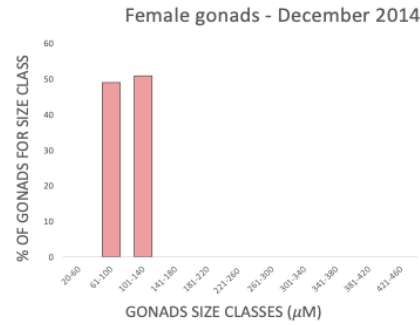
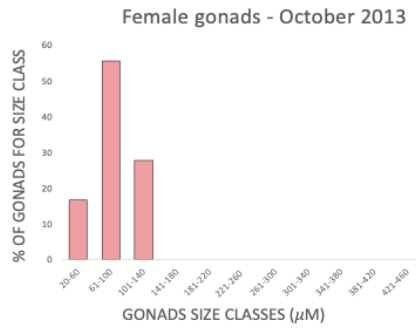
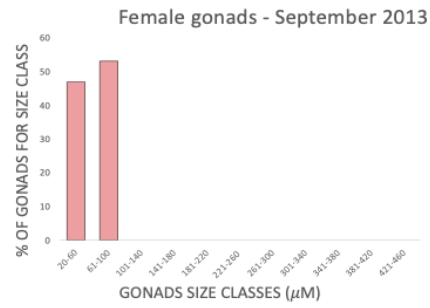
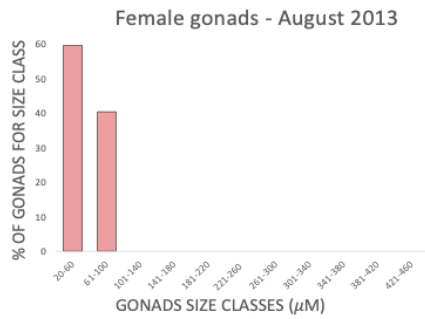
Fauna and flora *Exaiptasia diaphana*

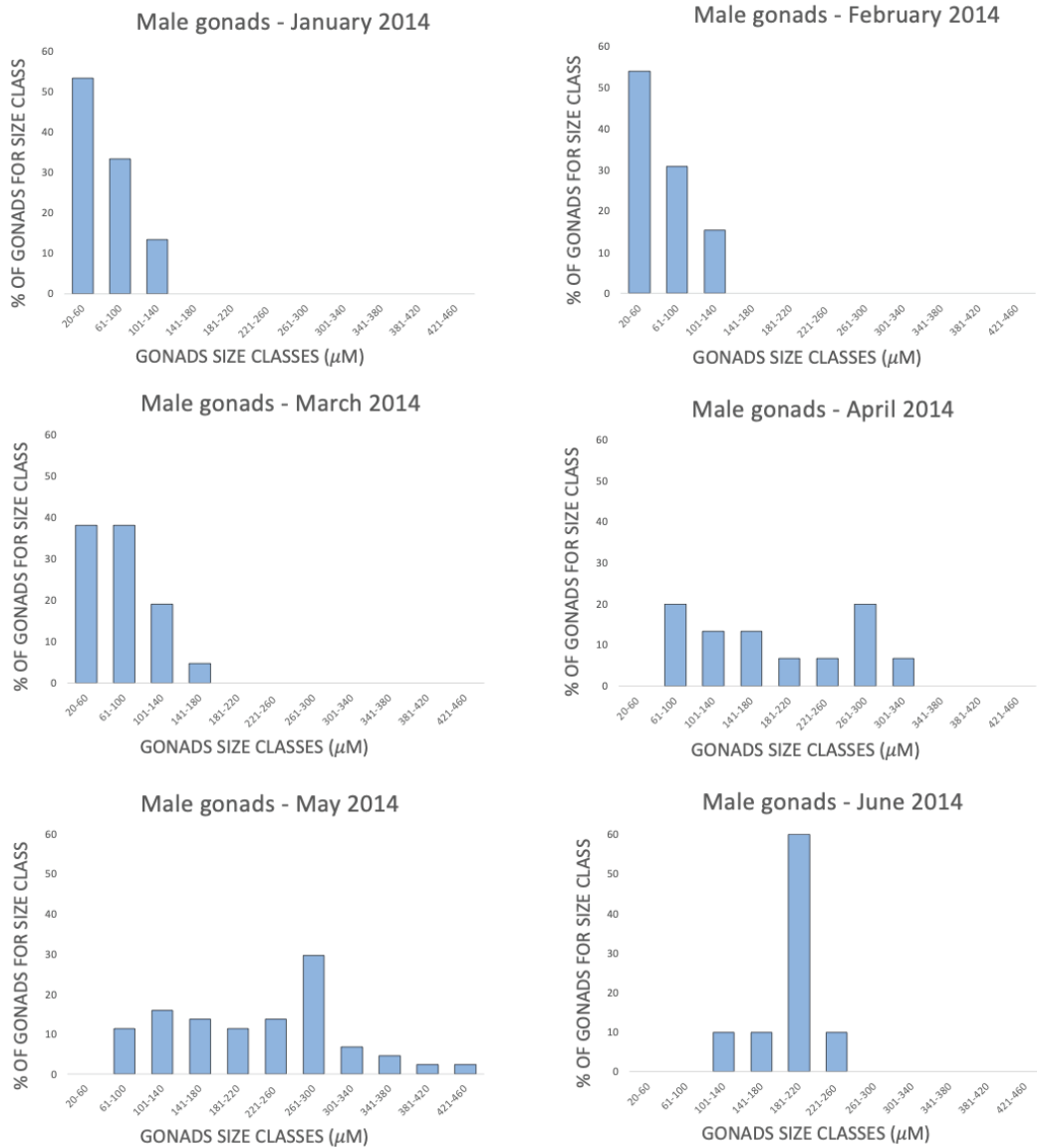
Phyla	Species	Jul-13	Aug-13	Sep-13	Oct-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
Rhodophyta	<i>Alsidium corallinum</i> (C. Agardh, 1827)			x								
Rhodophyta	<i>Chondracanthus acicularis</i> (Roth) Fredericq, 1993			x								
Rhodophyta	Ecrusting Corallinaceae				x							x
Ochrophyta	<i>Cystoseira cf. barbata</i> (Stackhouse) C. Agardh, 1820	x										
Ochrophyta	<i>Cystoseira montagnei</i> var. <i>compressa</i> (Ercegovic) M. Verlaque, A. Blanfune', C. F. Boudouresque, T. Thibaut and L. N. Sellam, 2017				x							x
Ochrophyta	<i>Cystoseira</i> sp. (C. Agardh, 1820)			x						x		x
Ochrophyta	<i>Dictyota dichotoma</i> (Hudson) J. V. Lamouroux, 1809				x		x					x
Ochrophyta	<i>Dictyota implexa</i> (Desfontaines) J. V. Lamouroux				x							
Ochrophyta	<i>Dictyopteris polypoides</i> (A. P. De Candolle) J. V. Lamouroux, 1809	x		x	x							
Rhodophyta	<i>Ellisolandia elongata</i> (J. Ellis & Solander, 1786)				x							
Rhodophyta	<i>Graciliaria bursa-pastoris</i> (S. G. Gmelin) P. C. Silva, 1952	x				x	x		x	x		
Rhodophyta	<i>Hypnea musciformis</i> (Wulfen) J. V. Lamouroux, 1809				x							
Cyanobacteria	Oscillatoriaceae (Engler, 1898)		x	x								
Myzozoa	<i>Ostreopsis ovata</i> (Fukuyo, 1981)		x	x								
Rhodophyta	<i>Peyssonnelia</i> sp. (Decaisne, 1841)						x	x	x			
Rhodophyta	Ecrusting Peyssonneliaceae						x					
Rhodophyta	<i>Pterocladia capillacea</i> (S. G. Gmelin, 1768) Santelices & Hommersand, 1997	x										
Rhodophyta	<i>Rhodymenia ardissoni</i> (Kuntze) Feldmann, 1937				x							
Rhodophyta	<i>Schottera nicaeensis</i> (J. V. Lamouroux ex Duby) Guiry & Hollenberg, 1975						x		x			

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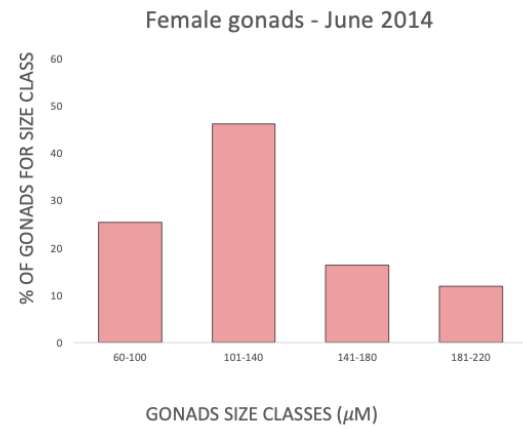
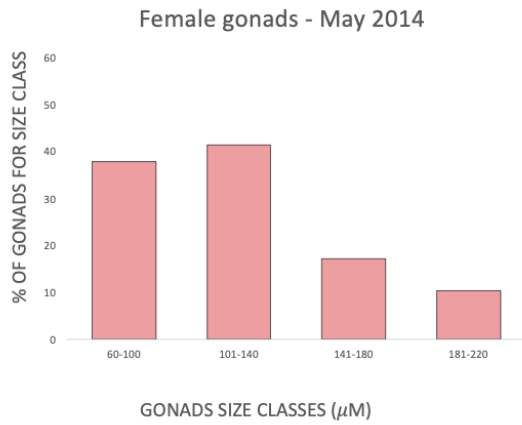
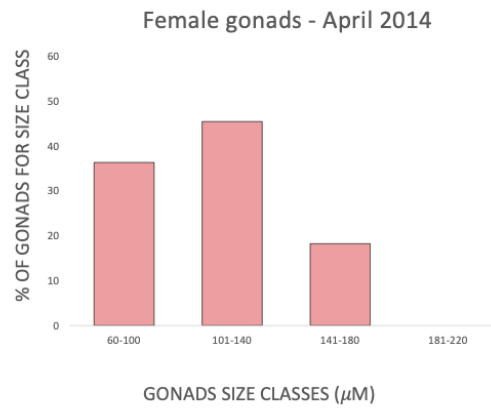
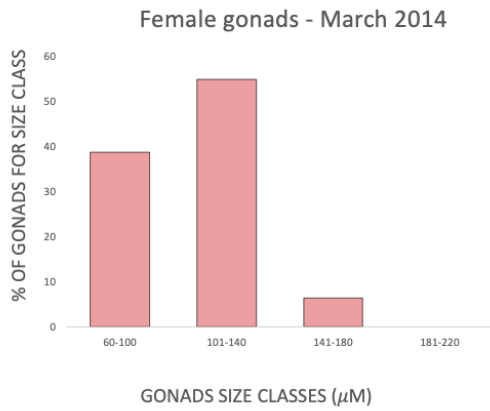
Table continued

Phyla	Species	Jul-13	Aug-13	Sep-13	Oct-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14
Ochrophyta	<i>Taonia atomaria</i> (Woodward) J. Agardh, 1848				x							
Rhodophyta	<i>Titanoderma</i> sp. (Nägeli, 1858)			x	x				x			x
Chlorophyta	<i>Ulva enteromorpha</i> (Le Jolis, 1863)							x	x	x		x
Chlorophyta	<i>Ulva</i> sp. (Linnaeus, 1753)	x			x							x
Porifera	<i>Aplysina aerophoba</i> (Nardo, 1883)			x	x		x	x	x			
Porifera	<i>Cacospongia</i> (Schmidt, 1862)						x					
Porifera	<i>Cliona adriatica</i> (Calcinai, Bavestrello, Cuttone, Cerrano, 2001)				x	x	x					
Porifera	<i>Chondrosia reniformis</i> (Nardo, 1847)								x			
Porifera	<i>Dysidea avara</i> (Schmidt, 1862)											
Porifera	<i>Haliclona (Halichlona) fulva</i> (Topsent, 1893)				x							
Porifera	<i>Sarcotragum spinolus</i> (Schmidt, 1862)					x						
Porifera	Orange encrusting sponge			x	x		x					
Porifera	Yellow encrusting sponge											
Porifera	Red encrusting sponge			x			x	x				
Porifera	Massive sponge							x				
Porifera	<i>Tedania (Tedania) anhelans</i> (Vio in Olivi, 1792)				x							
Porifera	<i>Tedania</i> sp. (Gray, 1867)	x			x	x	x					x
Cnidaria	<i>Cereus pedunculatus</i> (Pennant, 1777)					x						
Anellida	<i>Serpula vermicularis</i> (Linnaeus, 1767)					x	x					
Mollusca	<i>Rocellaria dubia</i> (Pennant, 1777)				x	x	x	x	x	x		x
Mollusca	<i>Hexaplex trunculus</i> (Linnaeus, 1758)					x						x
Mollusca	<i>Mytilus galloprovincialis</i> (Lamarck, 1819)	x	x	x	x	x	x	x	x	x		
Mollusca	<i>Ocinebrina</i> sp. (Jousseume, 1880)					x						x
Mollusca	<i>Ostrea</i> sp. (Linnaeus, 1758)					x	x					
Mollusca	<i>Pholas dactylus</i> (Linnaeus, 1758)					x	x		x	x		
Arthropoda	<i>Balanus</i> spp. (Costa, 1778)					x						
Chordata	<i>Ascidia sociale</i>						x					
Chordata	<i>Microcosmus</i> sp. (Heller, 1877)			x		x			x			
Chordata	<i>Phallusia fumigata</i> (Grube, 1846)		x	x			x					x
Chordata	<i>Phallusia nigra</i> (Savigny, 1816)											





**Fig. S2:** Graphs summarizing the abundance of Female (pink) and Male (blue) gonads in the species *A. viridis* through the sampling year. X-axis indicates the gonad size (classified using size classes in  $\mu\text{M}$ ) and y-axis indicates the percentage of gonads belonging to each size class.



**Fig. S3:** Graphs summarizing the abundance of Female (pink) gonads in the species *E. diaphana* throughout the sampling year. X-axis indicates the gonad size (classified using size classes in  $\mu\text{M}$ ) and y-axis indicates the percentage of gonads belonging to each size class.