

Table S1. Average values of the water physical parameters and chl- α concentration recorded at the water surface and water column for each area. Temperature: T; Salinity: S; water density: σ_t ; Chlorophyll - α : chl- α ; Ierissos AR: IR; Kalymnos AR: KL; Preveza AR: PR; Spring: SPR; Summer: SUM; Autumn: AUT; Winter: WIN; 13 and 14 indicate the years 2013 and 2014, respectively.

IERISSOS				
Surface	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
IRSPR13	20.4(19.7-22.0)	31.9(30.6-32.7)	22.3(20.9-22.9)	1.2(0.9-1.6)
IRAUT13	23.3(22.9-23.5)	35.0(34.4-35.6)	23.8(23.4-24.4)	0.1(0.0-0.2)
IRWIN13	18.1(17.9-18.2)	35.9(35.5-36.1)	25.9(25.7-26.1)	0.4(0.3-0.5)
IRSPR14	15.0(14.8-15.1)	35.8(35.6-36.0)	26.6(26.3-26.8)	1.5(0.1-2.4)
IRSUM14	21.6(20.8-22.0)	33.1(32.7-33.7)	22.9(22.6-23.4)	0.2(0.1-0.4)
IRAUT14	24.6(24.5-24.6)	33.9(33.7-34.0)	22.6(22.5-22.7)	0.1(0.0-0.1)
Column	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
IRSPR13	15.6(13.5-19.2)	36.7(34-38.7)	27.2(24.2-29.0)	0.5(0.1-1.1)
IRAUT13	22.4(17.1-23.4)	36.2(35.2-38.3)	25.0(23.9-28.0)	0.1(0.0-0.2)
IRWIN13	18.2(18.1-18.3)	36.1(36.0-36.1)	26.0(36.0-26.1)	0.4(0.3-0.5)
IRSPR14	13.9(13.6-14.2)	36.2(35.9-36.4)	27.2(26.9-27.3)	0.7(0.4-1.6)
IRSUM14	19.2(15.2-22.3)	35.1(32.8-38.5)	25.0(22.5-28.6)	0.2(0.1-0.5)
IRAUT14	22.6(18.0-24.7)	35.7(34.0-38.1)	24.6(22.7-27.6)	0.1(0.0-0.3)
KALYMNOS				
Surface	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
KLSPR13	21.6(21.3-21.9)	39.2(38.8-39.4)	27.5(27.2-27.6)	0.5(0.5-0.5)
KLAUT13	21.2(21.1-21.3)	39.1(38.9-39.2)	27.6(27.4-27.6)	0.1(0.0-0.1)
KLWIN13	17.6(16.8-17.9)	38.7(38.3-39.3)	28.2(27.8-28.8)	0.4(0.4-0.5)
KLSPR14	19.2(18.8-19.5)	39.1(37.9-39.4)	28.1(27.2-28.3)	0.3(0.3-0.3)
KLSUM14	20.4(19.9-21.2)	39.2(38.3-39.4)	27.8(27.2-28.1)	0.2(0.1-0.2)
KLWIN14	20.7(20.5-20.7)	39.3(39.1-39.4)	27.9(27.7-28.0)	0.0 (0.0-0.1)
Column	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
KLSPR13	20.8(18.6-21.4)	39.0(38.1-39.3)	27.6(27.0-28.1)	0.3(0.2-0.5)
KLAUT13	21.2(20.9-21.3)	39.2(39.0-39.3)	27.6(27.5-27.7)	0.1(0.0-0.2)
KLWIN13	18.0(17.0-18.1)	39.1(38.9-39.3)	28.4(28.3-28.8)	0.3(0.2-0.4)
KLSPR14	18.4(18.1-19.0)	39.4(39.2-39.6)	28.6(28.3-28.8)	0.2(0.1-0.3)
KLSUM4	19.4(18.6-20.2)	39.4(39.3-39.5)	28.3(28.1-28.5)	0.1(0.1-0.1)
KLWIN14	20.7(20.6-20.7)	39.3(39.3-39.4)	27.9(27.8-28.0)	0.0(0.0-0.0)
PREVEZA				

Surface	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
PRSPR13	20.2(19.5-20.8)	36.8(31.1-38.4)	26.1(21.9-27.3)	1.0(0.9-1.3)
PRWIN13	21.5(21.0-21.9)	37.7(35.1-38.6)	26.4(24.6-27.0)	0.2(0.1-0.3)
PRSPR14	16.0(15.5-17.1)	36.6(30.3-38.2)	27.0(22.2-28.2)	0.7(0.4-1.0)
PRSUM14	19.9(19.0-20.7)	36.4(29.0-37.9)	25.8(20.5-27.1)	0.4(0.1-0.8)
PRAUT14	24.0(23.4-24.4)	38.0(37.4-38.4)	25.9(25.5-26.2)	0.1(0.1-0.1)
Column	T (°C)	S	σ_t (kg/m ³)	Chl- α (µg/L)
PRSPR13	19.6(18.8-20.2)	38.8(38.4-38.9)	27.8(27.3-28.0)	0.5(0.3-0.7)
PRWIN13	22.0(21.8-22.2)	38.9(38.7-39.0)	27.2(27.1-27.3)	0.1(0.0-0.2)
PRSPR14	16.3(16.1-16.5)	38.4(37.6-38.7)	28.3(27.7-28.6)	0.4(0.2-0.7)
PRSUM14	17.6(16.9-19.0)	39.0(38.1-39.5)	28.4(27.4-29.3)	0.1(0.0-0.2)
PRAUT14	24.0(21.2-24.5)	38.6(37.4-38.7)	27.7(25.6-27.1)	0.1(0.0-0.1)

Table S2. Taxa identified in sampling areas, Ierissos, Kalymnos and Preveza during the years 2013, 2014. *N*, number of individuals; *Sp*, Spring; *S*, Summer; *A*, Autumn; *W*, Winter.

Taxa	Ierissos (N)						Kalymnos (N)						Preveza (N)					
	2013			2014			2013			2014			2013		2014			
	Sp	A	W	Sp	S	A	Sp	A	W	Sp	S	W	Sp	W	Sp	S	A	
Cnidaria																		
<i>Caryophyllia (Caryophyllia) inornata</i> (Duncan, 1878)			13		1									1				
<i>Caryophyllia (Caryophyllia) smithii</i> Stokes & Broderip, 1828					5													
<i>Caryophyllia</i> sp.							2											
Unknown sp.		1																
Acanthocephala																		
<i>Aspidosiphon (Aspidosiphon) muelleri muelleri</i> Diesing, 1851									9						1			
<i>Phascolosoma (Phascolosoma) granulatum</i> Leuckart, 1828									1	6	6			1			1	
<i>Priapulus caudatus</i> Lamarck, 1816										2								
<i>Sipuncula</i> sp.											4							
Arthropoda																		
Alpheidae			2								2							
<i>Ampelisca diadema</i> (Costa, 1853)											3	2						
<i>Apolochus neapolitanus</i> (Della Valle, 1893)											2					3		
Amphipoda											1							
<i>Apseudopsis latreillii</i> (Milne Edwards, 1828)							1											
Cirripedia		1																
Copepoda	1																	
<i>Cymodoce truncata</i> Leach, 1814														1				
Decapoda					3													
<i>Delavalia inopinata</i> Scott A., 1902								2			1							
<i>Dexamine spiniventris</i> (Costa, 1853)									2		1					1	1	
Gammaridae		1	2		2		2	1			2							

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Taxa	Ierissos (N)						Kalymnos (N)						Preveza (N)					
	2013			2014			2013			2014			2013		2014			
	Sp	A	W	Sp	S	A	Sp	A	W	Sp	S	W	Sp	W	Sp	S	A	
<i>Gammarus aequicauda</i> (Martynov, 1931)			1															
<i>Gastrosaccus sanctus</i> (Van Beneden, 1861)												1						
<i>Gnathia phallonajopsis</i> Monod, 1925		8	7	5	6	5												
<i>Gnathia</i> sp.			6															
Harpacticoida								2				1						
<i>Hippolyte inermis</i> Leach, 1816						1												
Isopoda			2															
<i>Leucothoe</i> cf. <i>spinicarpa</i> (Abildgaard, 1789)				1				1	2		2	1						
<i>Lysianassina longicornis</i> (Lucas, 1846)					1							1						
<i>Macropipus tuberculatus</i> (Roux, 1830)		3																
<i>Maera inaequipes</i> (Costa, 1857)						1												
Mysidae					2		1	1			11							
<i>Pagurus</i> sp.							2	4	2					2		2		
<i>Paguristes eremita</i> (Linnaeus, 1767)							1											
<i>Pandalina brevirostris</i> (Rathke, 1843)							2	2										
<i>Pilumnus hirtellus</i> (Linnaeus, 1761)		1	8	3	2													
<i>Pisa tetraodon</i> (Pennant, 1777)								1										
<i>Tritaeta gibbosa</i> (Bate, 1862)									1									
Unknown sp.1		2									2							
Bivalvia																		
<i>Abra segmentum</i> (Récluz, 1843)			1															
<i>Acanthocardia aculeata</i> (Linnaeus, 1758)								1			3	1				1		
<i>Adipicola pelagica</i> (Forbes in Woodward, 1854)			10															
<i>Arca tetragona</i> Poli, 1795				7	1													
<i>Barbatia barbata</i> (Linnaeus, 1758)												2						
<i>Cardita</i> sp.													1				10	
<i>Centrocardita aculeata</i> (Poli, 1795)			1								1							
<i>Chama gryphoides</i> Linnaeus, 1758																1		
<i>Coralliophaga lithophagella</i> (Lamarck, 1819)		16	14											1		1		
<i>Glycymeris vanhengstumi</i> Goud & Gulden, 2009											2							
<i>Hiatella arctica</i> (Linnaeus, 1767)				24														
<i>Hiatella rugosa</i> (Linnaeus, 1767)				6	11						1							
<i>Lima lima</i> (Linnaeus, 1758)														1		3		
<i>Lithophaga lithophaga</i> (Linnaeus, 1758)		5																

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Taxa	Ierissos (N)						Kalymnos (N)						Preveza (N)					
	2013			2014			2013			2014			2013		2014			
	Sp	A	W	Sp	S	A	Sp	A	W	Sp	S	W	Sp	W	Sp	S	A	
<i>Musculus costulatus</i> (Risso, 1826)	1	5	10	12	1			3	10		2			1	1		7	1
Mytilidae		1																
<i>Nucula nucleus</i> (Linnaeus, 1758)					1													
<i>Ostrea edulis</i> Linnaeus, 1758																		1
<i>Papillicardium papillosum</i> (Poli, 1791)							1				1							
<i>Parvicardium trapezium</i> Cecalupo & Quadri, 1996									2				1			3		
<i>Polititapes aureus</i> (Gmelin, 1791)								1	1									
<i>Septifer cumingii</i> Récluz, 1849									30	6								
<i>Spondylus gaederopus</i> Linnaeus, 1758		1							1				1					
<i>Striarca lactea</i> (Linnaeus, 1758)																3		
<i>Thracia pubescens</i> (Pulteney, 1799)			1															
Veneridae								1			2							
<i>Venus verrucosa</i> Linnaeus, 1758											1							
Gastropoda																		
<i>Alvania aspera</i> (Philippi, 1844)									9	1	6							
<i>Alvania colossophilus</i> Oberling, 1970									3									
<i>Alvania lineata</i> Risso, 1826						5		9	6	6	4							
<i>Aplus dorbignyi</i> (Payraudeau, 1826)			7					2	1		1							
<i>Aptyxis syracusana</i> (Linnaeus, 1758)							2											1
<i>Bittium latreillii</i> (Payraudeau, 1826)	1	1	1		2	1		206	209	51	69	40	6	19	10	29	11	
<i>Bolma</i> cf. <i>rugosa</i> (Linnaeus, 1767)										1	28		1					
<i>Cerithium vulgatum</i> Bruguière, 1792							12	8	1									
<i>Diodora graeca</i> (Linnaeus, 1758)		1																
<i>Emarginula</i> sp.																1		
<i>Enginella leucozona</i> (Philippi, 1844)													2					
<i>Gibbula albida</i> (Gmelin, 1791)											1							
<i>Granulina marginata</i> (Bivona, 1832)									1									
<i>Jujubinus exasperatus</i> (Pennant, 1777)										3	8	7						
<i>Muricopsis cristata</i> (Brocchi, 1814)				1				2		1	4							
<i>Odostomella bicincta</i> (Tiberi, 1868)								1	1		1					2		
<i>Parthenina monozona</i> (Brusina, 1869)								3	3		22							
<i>Pirenella conica</i> (Blainville, 1829)								6			1							
<i>Rissoa violacea</i> Desmarest, 1814									1	2	55							
<i>Smaragdia viridis</i> (Linnaeus, 1758)											1							
<i>Tarantinaea lignaria</i> (Linnaeus, 1758)							2											
<i>Tricolia</i> cf. <i>speciosa</i> (Megerle von Mühlfeld, 1824)								18			1							

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Taxa	Ierissos (N)						Kalymnos (N)						Preveza (N)					
	2013			2014			2013			2014			2013		2014			
	Sp	A	W	Sp	S	A	Sp	A	W	Sp	S	W	Sp	W	Sp	S	A	
<i>Tricolia pullus</i> (Linnaeus, 1758)							12			3								
<i>Tritia incrassata</i> (Strøm, 1768)					2													
<i>Trophonopsis muricata</i> (Montagu, 1803)										1								
Echinodermata																		
<i>Amphiura chiajei</i> Forbes, 1843									3				1					
<i>Echinocyamus pusillus</i> (O.F. Müller, 1776)										1								
Annelida																		
<i>Ceratonereis (Composetia) costae</i> (Grube, 1840)							1											
<i>Chrysopetalum debile</i> (Grube, 1855)									2									
Cirratulidae					1													
Dorvillea							1	1					1					
<i>Eulalia viridis</i> (Linnaeus, 1767)						4											6	
<i>Eunice pennata</i> (Müller, 1776)					7		1	1										
<i>Eusyllis blomstrandii</i> Malmgren, 1867								1										
Flabelligeridae		5			1													
<i>Glycera</i> sp.					1				3			2					1	
<i>Haplosyllis</i> cf. <i>spongicola</i> (Grube, 1855)					9			3	3				12	1	1	1		
<i>Hediste diversicolor</i> (O.F. Müller, 1776)				2	7			4			1							
<i>Leodice harassii</i> (Audouin & Milne Edwards, 1833)													1					
Lumbrineridae								3										
<i>Lumbrineris coccinea</i> (Renier, 1804)													1					
<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833		4			3						1		10			1		
<i>Lysidice unicornis</i> (Grube, 1840)		1				1					1			1				
<i>Marphysa fallax</i> Marion & Bobretzky, 1875																	1	
<i>Marphysa sanguinea</i> (Montagu, 1815)				4										1				
<i>Metavermilia acanthophora</i> (Augener, 1914)					2	1												
<i>Nephtys hombergii</i> Savigny in Lamarck, 1818																	1	
<i>Nephtys</i> sp.					1													
Nereididae		13				9		2	1				1	4	1	2	1	
<i>Onuphis</i> sp.						1												
<i>Placostegus crystallinus</i> (non Scacchi, 1836) sensu Zibrowius, 1968					1													
<i>Platynereis dumerilii</i> (Audouin & Milne Edwards, 1834)		7			1													
<i>Polycirrus aurantiacus</i> Grube, 1860						1												

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Taxa		Ierissos (N)						Kalymnos (N)						Preveza (N)					
		2013			2014			2013			2014			2013		2014			
		Sp	A	W	Sp	S	A	Sp	A	W	Sp	S	W	Sp	W	Sp	S	A	
<i>Protodorvillea</i> sp.	1			1															
Protodrilidae																			
<i>Psamathe fusca</i> Johnston, 1836									1								1		
<i>Sabella pavonina</i> Savigny, 1822					2														
<i>Sabella spallanzanii</i> (Gmelin, 1791)		1												1					
Sabellidae				1	4	1													
<i>Scoletoma impatiens</i> (Claparède, 1868)									1										
Serpulidae	20	124	144	70	123	60	1		3	2		1	12	5		2	1		
Syllidae					3			1											
<i>Syllis</i> sp.			6		5		1							1		3			
Terebellidae		5		2	13			1					1						
Trichobranchidae							2												
<i>Trypanosyllis zebra</i> (Grube, 1860)			2	1										1					
<i>Vermiliopsis infundibulum</i> (Philippi, 1844)		5		12	1														
Chordata																			
<i>Halocynthia papillosa</i> (Linnaeus, 1767)				1															
Unknown sp. 1		3	1	2															
Total number of taxa		4	26	23	25	27	9	17	31	31	11	39	11	17	15	4	24	11	

Table S3. Species/family contribution to 80% among-group average dissimilarity in the study sites during the two years of sampling (2013, 2014). IR, Ierissos; KL, Kalymnos; PR, Preveza.

Species/Family	Sites/Year		
	IR 2013& 2014 dis.66.29%	IR2014&KL2013 dis.89.12%	IR2013&KL2014 dis.90.81%
<i>Bittium latreillii</i>		10.46	9.72
<i>Cerithium vulgatum</i>		3.46	4.26
<i>Coralliophaga lithophagella</i>	4.04		3.16
<i>Gnathia phallona-jopsis</i>	3.07	3.04	
<i>Hiatella rugosa</i>	3.38	2.17	
<i>Musculus costulatus</i>	3.21		2.89
<i>Nephtys hombergii</i>	3.07		
Serpulidae	7.63	10.53	12.34
	IR2014&KL2014 dis.89.92%	KL2013&KL2014 dis.77.63%	IR2013&PR2013 dis.75.37%
<i>Bittium latreillii</i>	9.72	11.93	6.12
<i>Cerithium vulgatum</i>		4.39	
<i>Coralliophaga lithophagella</i>			4.41
<i>Gnathia phallona-jopsis</i>	3.6		3.06
<i>Haplosyllis spongicola</i>			5.49
<i>Hiatella rugosa</i>	2.4		
<i>Jujubinus exasperatus</i>	3.65	3.88	
<i>Lysidice ninetta</i>			3.84
Nereididae			4.14
<i>Rissoa violacea</i>		3.17	
Serpulidae	12.34		12.03
	IR2014&PR2013 dis. 80.26%	KL2013&PR2013 dis.80.52%	KL2014&PR2013 dis.80.70%
<i>Bittium latreillii</i>	5.13	13.45	7.98
<i>Cerithium vulgatum</i>		4.78	
<i>Gnathia phallona-jopsis</i>	4.55		
<i>Haplosyllis spongicola</i>	3.85	3.02	4.9
<i>Hiatella rugosa</i>	3.09		
<i>Jujubinus exasperatus</i>			5.18
<i>Lysidice ninetta</i>		2.78	3.42
Nereididae	2.99		3.38
<i>Rissoa violacea</i>			3.05
Serpulidae	11.87	3.45	4.14
	PR2013&PR2014 dis.64.81%		
<i>Bittium latreillii</i>	4.63		
<i>Haplosyllis spongicola</i>	5.83		
<i>Lysidice ninetta</i>	5.91		
Serpulidae	8.47		