Table S2. List of main phytoplankton taxa and species identified over time at the different stations sampled in the Syracuse bay

Taxa/species	Sept 2018	May 2019	Aug 2019	Nov 2019	July 2020	Oct 2020	March 2021
DIATOMS				STATIONS			
Asterionellopsis glacialis	1, 2, 3, 6			4, 5			
Auliscus sp.							4
Bacillaria paxillifera	1		1				
Biddulphia sp.	1						5
Chaetoceros curvisetus				5, 6			
Chaetoceros decipiens	3		1, 2, 4	1, 2, 5, 6			
Chaetoceros delicatulus			6				
Chaetoceros lauderi			1			4	
Chaetoceros lorenzianus				5			
Chaetoceros spp.	2	2, 5, 6	1, 2, 3, 4, 5, 6	4, 5	4, 5		
Cocconeis sp.				1			
Cyclotella spp.	2		4		3	4, 5, 6	
Cylindrotheca closterium	1, 2, 3, 5			1, 2, 4	4	1*	
Diploneis sp.	2						
Grammatophora sp.				1			
Guinardia delicatula				5, 6			
Guinardia striata			6	4, 5	6		
Hemiaulus hauckii	2						
Hemiaulus sinensis	6						
Leptocylindrus danicus				1, 5, 6			
Leptocylindrus minimus	1						
Leptocylindrus sp.	5			4			
Licmophora sp.				1		1*, 6	1, 2, 6
Melosira sp.				1, 2			
Navicula spp.	1, 2, 3, 4	6	1, 2	1, 2, 4, 5, 6	1, 4	1*, 3, 4, 5	1, 3
Nitzschia longissima	3, 4, 5		1, 4, 6	1		4	
Nitzschia reversa f. *parva*	1						
Nitzschia spp.						4	
Pleurosigma spp.	1, 2, 5	1	1	1, 6		1*	1, 3, 4, 5
Proboscia alata	1			4			
Proboscia indica	1						
Pseudo-nitzschia delicatissima				1, 5, 6	4	4	
Pseudo-nitzschia seriata	5			5		1	
Pseudo-nitzschia spp.	1			6			1
Rhizosolenia sp.		1, 3					
Skeletonema costatum	1, 2, 3, 6			1	4		
Skeletonema costatum -like species	3, 5	1, 2, 6		1, 6	3, 4	4	
Skeletonema marinoi	1, 2, 3, 6						
Striatella unipunctata	5	4	4, 5			1, 2, 4, 6	1, 2, 4, 5, 6
Synedra spp.	1, 2, 5		1	1			
Thalassionema nitzschioides				5, 6	2, 4	1	1, 2, 3, 4, 5, 6
Toxarium hennedyanum			1				
Trieres regia						1	

DINOFLAGELLATES	STATIONS						
Akashiwo sanguinea				1, 2		1, 2, 3, 6	
A lexandrium catenella (= A. pacificum)		1, 3, 4, 5, 6	1			1	6
Alexandrium minutum		1, 2, 3, 4, 5, 6	6			1, 3	1, 2, 3, 4, 5, 6
Alexandrium sp.	2	1, 4			1	1	1, 3, 4, 5, 6
Blixaea quinquecornis	4				1, 3		
Ceratium furca							4, 6
Dinophysis caudata	1,3, 5			2	2		6
Dinophysis sacculus		2, 4			3		6
Diplopsalis sp.	5		1		1	1	1, 2, 6
Gonyaulax digitale					2		
Gonyaulax sp.	2						
Gonyaulax spinifera		4					
Gotoius excentricus	1						
Gymnodinium spp.	1, 4	1	4, 6		1, 2, 3, 4, 5, 6	1, 2, 3, 4, 6	
Gyrodinium cf. *fusiforme*						4, 5, 6	
Gy*rodinium* sp.				6		1, 4	
Lingulodinium polyedra		1, 2, 3, 4, 5, 6	6	2, 3			1, 2
Ostreopsis sp.				2	1*, 6*	1*	
Oxytoxum scolopax						4	
Oxytoxum sp.							1
Peridinium diabolum							1
Peridinium quadridentatum	4	1, 3, 6	6	1, 4			
Peridinium sp.	2						
Phalachroma rotundatum						4	
Polykrikos schwartzii		1					
Polykrikos sp.		3					
Prorocentrum aporum			1	2	3, 4		
Prorocentrum cf. *gracile*							4
Prorocentrum cf. *lima*						1*	
Prorocentrum cordatum	1						
Prorocentrum micans		1, 2, 3, 4, 5, 6	1, 4, 6	1, 6	2, 4, 5, 6	1	1, 2, 3, 4, 6
Prorocentrum rotundatum	5						
Prorocentrum sp.					2	4	
Prorocentrum triestinum	1, 3	1, 2, 3, 4, 5, 6	6	2	1, 3, 4, 5		1, 3, 4, 5, 6
Protoperidinium bipes					1		
Protoperidinium cerasus						4	
Protoperidinium diabolus	4	4	4, 6		1		1, 4
Protoperidinium divergens		2	3, 4	2	2, 3		6
Protoperidinium granii	4		1				
Protoperidinium pallidum							
Protoperidinium pellucidum				1, 2			
Protoperidinium sp.	1, 2, 3, 6	2, 3, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 4, 5	1, 3, 6	1, 3, 4, 5, 6
Pyrophacus steinii						1	
Scrippsiella sp.	5, 6	1, 3, 4	4	3	3	2, 5	6
Triadinium polyedricum							6
Tripos eugrammus	3, 4			5			
Tripos furca	1, 4		1				
Tripos gibberus						1	
Tripos setaceus				5			
Tripos subrobustus				1	1		
Tripos sp.	1						
Tripos teres				1			

* from benthic substrate (macroalgae)

OTHER TAXA

CIANOPHYCEAE	STATIONS
Oscillatoria sp.	1

EUGLENOPHYCEAE	STATIONS	
Lepocinclis acus	1, 3	1

COCCOLITHOPHORES	STATIONS	
Emiliania huxkeyi		2
Syracolithus sp.	2	

SILICOFLAGELLATES	STATIONS
Dictyocha fibula	6
Parapedinella reticulata	4, 6