## **Supplementary Information**

## Seasonal Dynamics of Epiphytic Microbial Communities on Marine Macrophyte Surfaces

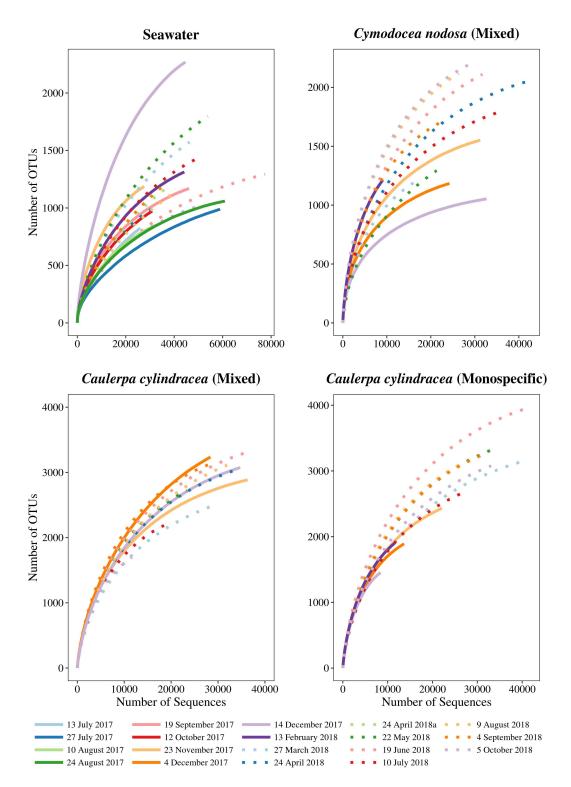


3. Department of Marine Microbiology and Biogeochemistry, Royal Netherlands Institute for Sea

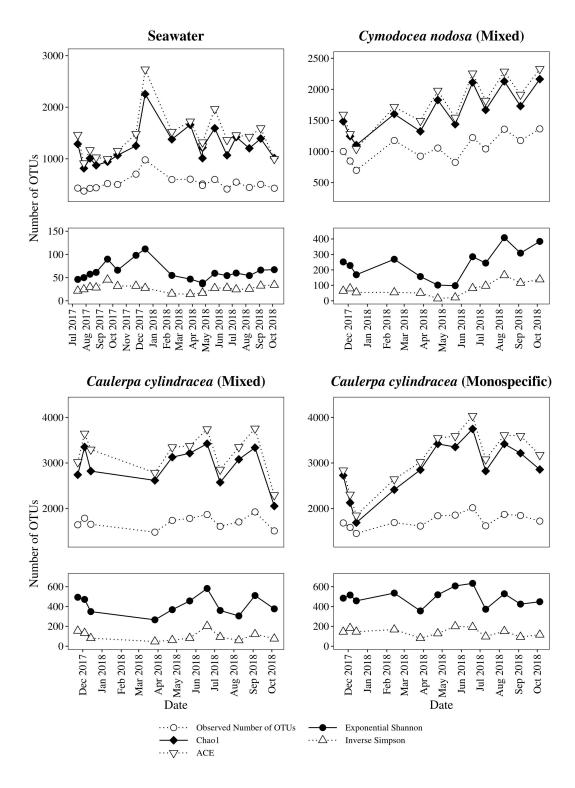
2. Department of Functional and Evolutionary Ecology, University of Vienna, Austria

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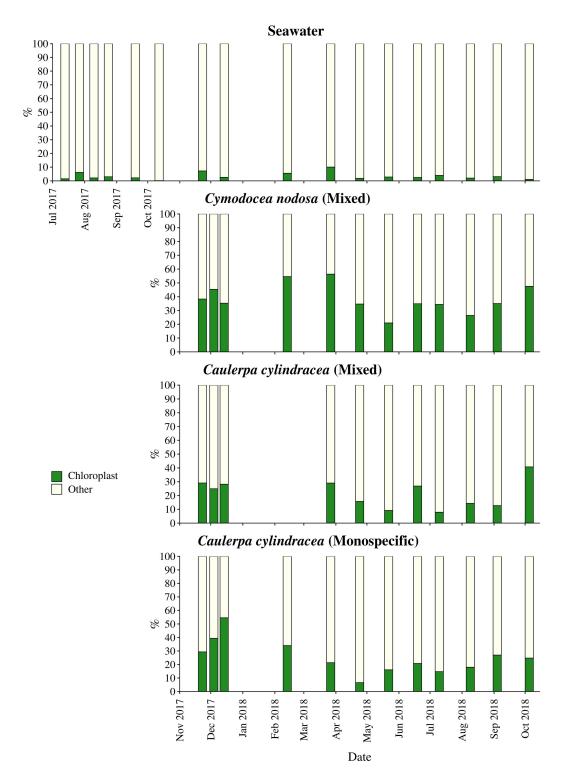
## **Supplementary Figures**



**Figure S1.** Rarefaction curves of bacterial and archaeal communities from the surfaces of macrophytes (*C. nodosa* [Mixed Settlement] and *C. cylindracea* [Mixed and Monospecific Settlement]) and in the ambient seawater.



**Figure S2.** Seasonal dynamics of observed number of OTUs, Chao1, ACE, exponential of the Shannon Diversity Index and Inverse Simpson Index of bacterial and archaeal communities from the surfaces of macrophytes (*C. nodosa* [Mixed Settlement] and *C. cylindracea* [Mixed and Monospecific Settlement]) and in the ambient seawater.



**Figure S3.** Relative contribution of chloroplast sequences on the surfaces of macrophytes (*C. nodosa* [Mixed Settlement] and *C. cylindracea* [Mixed and Monospecific Settlement]) and in the ambient seawater.

## **Supplementary Table**

**Table S1.** Sample ID, Community Type, Sampling Date and Season, No. of Sequences and No. of OTUs of each sample. No. of Sequences and OTUs was calculated after the exclusion of eukaryotic, chloroplast, mitochondrial and no relative sequences.

Sample ID	Community Type	Date	Season	No. of Sequences	No. of OTUs
3	Seawater	13 July 2017	Summer	25,996	824
5	Seawater	27 July 2017	Summer	58,950	989
7	Seawater	10 August 2017	Summer	32,631	851
9	Seawater	24 August 2017	Summer	60,935	1,060
11	Seawater	19 September 2017	Summer	46,115	1,170
13	Seawater	12 October 2017	Autumn	30,913	973
15	Seawater	23 November 2017	Autumn	27,586	1,187
17	Seawater	14 December 2017	Autumn	44,584	2,270
19	Seawater	13 February 2018	Winter	44,185	1,313
21	Seawater	27 March 2018	Winter	46,375	1,573
23a	Seawater	24 April 2018	Spring	30,968	996
23b	Seawater	24 April 2018	Spring	38,572	1,200
25	Seawater	22 May 2018	Spring	53,871	1,796
27	Seawater	19 June 2018	Spring	77,463	1,292
29	Seawater	10 July 2018	Summer	50,811	1,444
31	Seawater	9 August 2018	Summer	39,051	1,120
33	Seawater	4 September 2018	Summer	36,200	1,202
35	Seawater	5 October 2018	Autumn	49,568	1,012
37	Cymodocea nodosa (Mixed)	23 November 2017	Autumn	31,236	1,552
41	Cymodocea nodosa (Mixed)	4 December 2017	Autumn	24,252	1,184
45	Cymodocea nodosa (Mixed)	14 December 2017	Autumn	32,681	1,053
49	Cymodocea nodosa (Mixed)	13 February 2018	Winter	9,089	1,213
52	Cymodocea nodosa (Mixed)	27 March 2018	Winter	17,002	1,211
55	Cymodocea nodosa (Mixed)	24 April 2018	Spring	42,642	2,058
58	Cymodocea nodosa (Mixed)	22 May 2018	Spring	21,337	1,294
61	Cymodocea nodosa (Mixed)	19 June 2018	Spring	31,724	2,111
64	Cymodocea nodosa (Mixed)	10 July 2018	Summer	35,738	1,794
67	Cymodocea nodosa (Mixed)	9 August 2018	Summer	26,355	2,119

**Table S1.** Sample ID, Community Type, Sampling Date and Season, No. of Sequences and No. of OTUs of each sample. No. of Sequences and OTUs was calculated after the exclusion of eukaryotic, chloroplast, mitochondrial and no relative sequences. *(continued)* 

Sample ID	<b>Community Type</b>	Date	Season	No. of Sequences	No. of OTUs
70	Cymodocea nodosa (Mixed)	4 September 2018	Summer	23,275	1,723
73	Cymodocea nodosa (Mixed)	5 October 2018	Autumn	29,911	2,216
38	Caulerpa cylindracea (Mixed)	23 November 2017	Autumn	36,311	2,886
42	Caulerpa cylindracea (Mixed)	4 December 2017	Autumn	28,381	3,235
46	Caulerpa cylindracea (Mixed)	14 December 2017	Autumn	34,724	3,074
53	Caulerpa cylindracea (Mixed)	27 March 2018	Winter	28,694	2,483
56	Caulerpa cylindracea (Mixed)	24 April 2018	Spring	34,780	3,061
59	Caulerpa cylindracea (Mixed)	22 May 2018	Spring	23,393	2,720
62	Caulerpa cylindracea (Mixed)	19 June 2018	Spring	36,491	3,316
65	Caulerpa cylindracea (Mixed)	10 July 2018	Summer	18,485	2,186
68	Caulerpa cylindracea (Mixed)	9 August 2018	Summer	31,956	3,112
71	Caulerpa cylindracea (Mixed)	4 September 2018	Summer	29,273	3,153
74	Caulerpa cylindracea (Mixed)	5 October 2018	Autumn	11,692	1,703
39	Caulerpa cylindracea (Monospecific)	23 November 2017	Autumn	22,081	2,432
43	Caulerpa cylindracea (Monospecific)	4 December 2017	Autumn	13,661	1,892
47	Caulerpa cylindracea (Monospecific)	14 December 2017	Autumn	8,409	1,454
51	Caulerpa cylindracea (Monospecific)	13 February 2018	Winter	11,674	1,908
54	Caulerpa cylindracea (Monospecific)	27 March 2018	Winter	39,470	3,133
57	Caulerpa cylindracea (Monospecific)	24 April 2018	Spring	20,296	2,833
60	Caulerpa cylindracea (Monospecific)	22 May 2018	Spring	33,034	3,315
63	Caulerpa cylindracea (Monospecific)	19 June 2018	Spring	41,842	3,970
66	Caulerpa cylindracea (Monospecific)	10 July 2018	Summer	27,040	2,675
69	Caulerpa cylindracea (Monospecific)	9 August 2018	Summer	26,735	3,120
72	Caulerpa cylindracea (Monospecific)	4 September 2018	Summer	31,871	3,264
75	Caulerpa cylindracea (Monospecific)	5 October 2018	Autumn	33,077	3,078