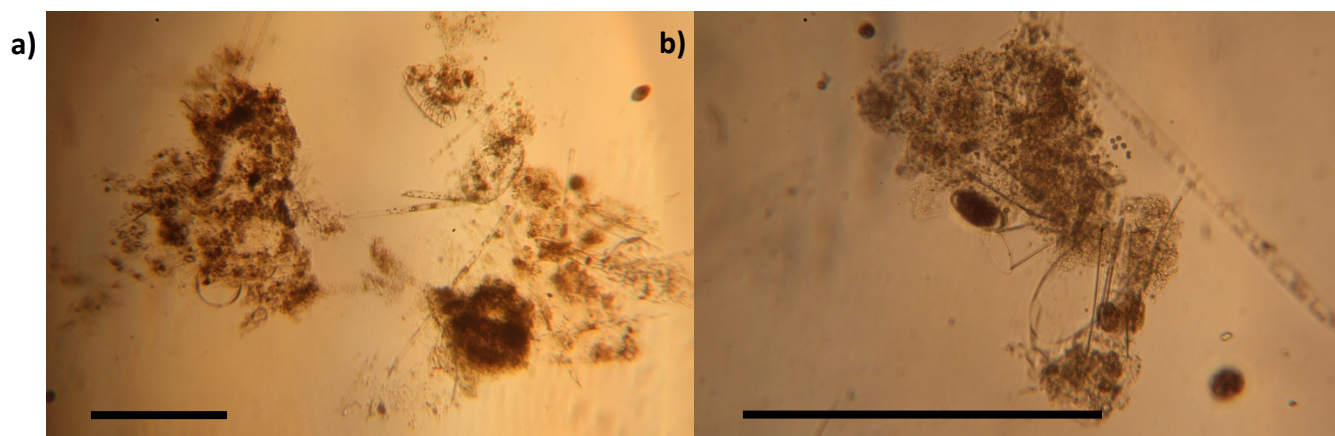


1 **Supplementary Material**

2 **Figure S1: Example light microscope image of a) roller tank formed aggregate and b) in situ collected aggregate. Scale bars=0.5**
 3 **mm.**



5 **Table S1: Particulate organic carbon (POC) content of marine snow aggregates (PA). PA were grouped into size classes for bulk**
 6 **carbon measurement (see methods). ND=No Data**

7

<i>Size range (ESD, mm)</i>	<i>Aggregate POC ($\mu\text{g C mm}^{-3}$)</i>			
	<i><0.6</i>	<i>>0.6</i>	<i><1</i>	<i>1-2</i>
<i>Sample Depth (m)</i>				
12 (Roller tank)			2.4	2.4
36	17.0	6.7		
46	30.6	11.0		
73	15.0	8.9		
113	16.5	9.4		
128	11.7	ND		
204	14.2	ND		
500	ND	ND		

8