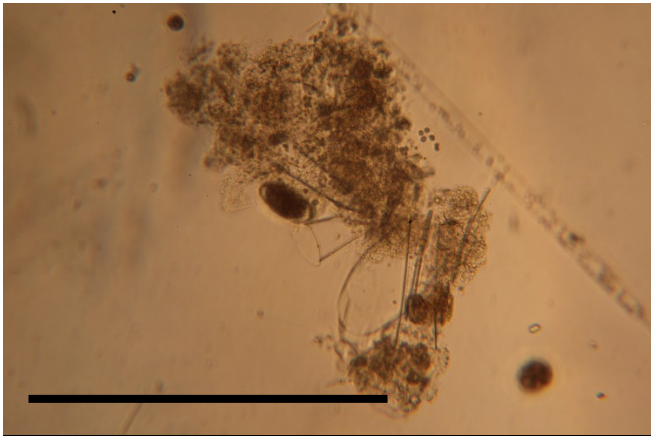


1 **Supplementary Material**

2 **Figure S1: Example light microscope image of a phytodetrital aggregate collected from depth. Scale bar=0.5 mm.**



3
4 **Table S1: Particulate organic carbon (POC) content of marine snow aggregates (PA). PA were grouped into size classes for bulk**
5 **carbon measurement (see methods). ND=No Data**

6

<i>Size range (ESD, mm)</i>	<i>Aggregate POC (µg C mm⁻³)</i>	
	<i><0.6</i>	<i>>0.6</i>
<i>Sample Depth (m)</i>		
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