**Supplementary Table S3**  PERMANOVA analysis of MGI and MGII communities indicated possible grouping of samples by season. 
R² indicates the approximate variation between communities explained by grouping samples by season. Permutations=5000.

<table>
<thead>
<tr>
<th></th>
<th>5m</th>
<th>DCM</th>
<th>150m</th>
<th>500m</th>
<th>890m</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MGI</strong></td>
<td>0.151**</td>
<td>0.107*</td>
<td>0.374***</td>
<td>0.083</td>
<td>0.136*</td>
</tr>
<tr>
<td><strong>MGII</strong></td>
<td>0.243***</td>
<td>0.147*</td>
<td>0.169**</td>
<td>0.166**</td>
<td>0.130*</td>
</tr>
</tbody>
</table>

* p<0.05, **p<0.01, ***p<0.001