|  |  |
| --- | --- |
| **Sample**  | **Number of OTUs** |
| **Shared** | **Unique**  |
| **All samples combined** |
| SIPOM | 486 | 11  |
| SPOM | 486 | 38  |
| **Pairs by sampling day** |
| SIPOM1 | 276 | 51 |
| SPOM1 | 276 | 149  |
| SIPOM2 | 255 | 111 |
| SPOM2 | 255 | 127  |
| SIPOM3 | 254 | 51  |
| SPOM3 | 254 | 174  |
| SIPOM4 | 327 | 55  |
| SPOM4 | 327 | 115  |
| SIPOM5 | 306 | 75  |
| SPOM5 | 306 | 131  |
| SIPOM6 | 309 | 71  |
| SPOM6 | 309 | 125 |
|  |  |  |

**Table S1.** Number of OTUs shared between samples of sea ice particulate organic matter (SIPOM) and sinking POM (SPOM), globally and by same-day sampling pairs, with number of OTUs (defined by 97% sequence similarity) unique to each sample.