
Online resources

**Benthic foraminifera in a deep-sea high-energy environment: the Moira
Mounds (Porcupine Seabight, SW of Ireland)**

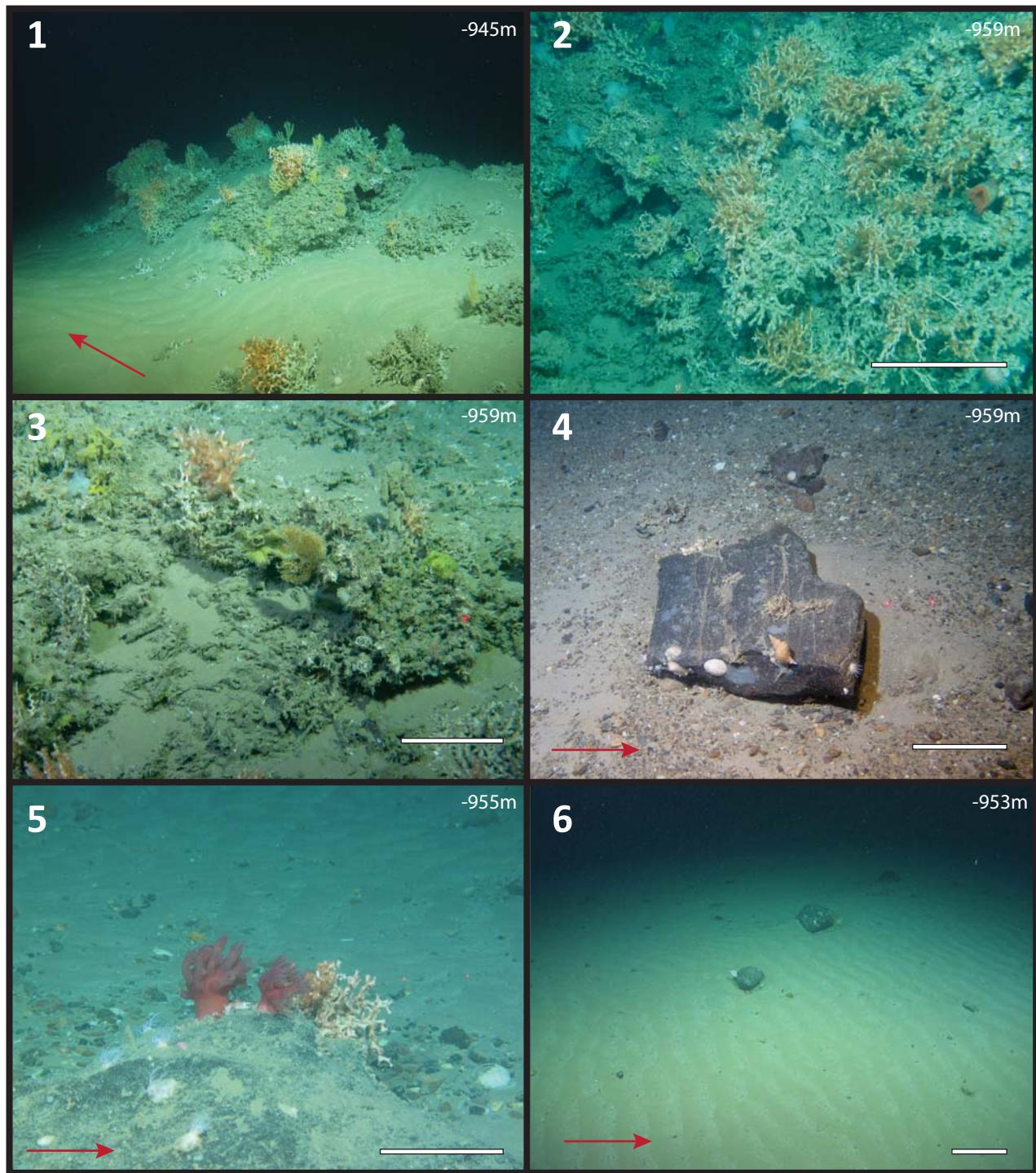
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Online Resource 1. Example of sedimentary facies variability in the downslope Moira Mound area obtained with ROV imagery (from Wheeler et al. 2011b). **2 & 3** - Living and dead coral facies; **4** - Sand and dropstone facies; **6** - Sand and biogenic gravel facies (foreground). The action of bottom currents and their dominant direction (red arrows) are clearly visible. Depth is indicated in the top right corner of each image. Scale bars represent 20 cm. **1**) Side of a mound formed by *Lophelia pertusa* and *Madrepora oculata*. The rippled sand and the elongated shape of the mound are visible. The mound is approximately 4 m long and 1 m high. **2**) Close up of the coral framework on a mound and its macrofaunal richness (presence of sea urchins, sea anemones and sponges). The coral framework nearest the seabed is heavily clogged up with sediment. **3**) Close up of dead and living coral framework. Notice again how heavily the framework is clogged up with sediment. **4**) Dropstone littered sediment. A number of macro-organisms such as coral, gastropods and sea urchins colonize the large dropstone in the foreground. **5**) Prominent feature colonized by hydroids, sea anemones and a colony of *L. pertusa*. **6**) Sandy, rippled substrate with dropstones.

Online Resource 2. Species list and raw quantitative data of benthic foraminifera. **A)** Living foraminifera, surface samples **B)** Living foraminifera, subcore samples **C)** Dead foraminifera, surface samples.

A)

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|-----------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Volume (cm3) | 14 | 18 | 20 | 45 | 20 | 32 | 30 | 16 | 20 | 13 | 47 | 48 | 18 | 28 | 29 | 18 | 55 | 46 | 18 | 32 |
| <i>Adercotryma wrighti</i> | 1 | 5 | 1 | 5 | 1 | 0 | 1 | 7 | 0 | 0 | 10 | 21 | 4 | 16 | 1 | 7 | 0 | 0 | 0 | 3 |
| <i>Alabaminella weddellensis</i> | 1 | 7 | 13 | 5 | 11 | 0 | 1 | 10 | 2 | 6 | 12 | 16 | 7 | 21 | 15 | 12 | 0 | 5 | 4 | 3 |
| <i>Anomalinoides globulosa</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| <i>Astronomion gallowayi</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| <i>Bolivina difformis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Bolivina dilatata</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina pseudopunctata</i> | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 1 | 2 | 2 | 2 | 0 | 1 | 0 | 0 |
| <i>Bolivina spathulata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina spinescens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina striatula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| <i>Bolivina subspinescens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina sp.1</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| <i>Bulimina marginata</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Cassidulina bradyi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cassidulina teretis</i> | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| <i>Chilostomella oolina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| <i>Cibicides aravaensis</i> | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 4 | 0 |
| <i>Cibicides mundulus</i> | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 2 | 0 | 1 | 0 | 1 | 1 |
| <i>Cibicides refulgens</i> | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 1 | 1 | 3 | 8 | 2 | 1 | 1 | 0 | 16 | 14 |
| <i>Cibicides ungerianus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Cibicides wuellerstorfi</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 |
| <i>Cornuspira involvens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Cribrostomoides jeffreysii</i> | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 4 | 3 | 0 | 2 | 0 | 0 | 0 |
| <i>Dentalina baggi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Discanomalina coronata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 5 | 0 | 20 | 14 | 2 | 0 | 4 | 1 |
| <i>Discorbina bertheloti</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 3 | 2 | 0 | 0 | 0 | 3 |

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|--|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Volume (cm ³) | 14 | 18 | 20 | 45 | 20 | 32 | 30 | 16 | 20 | 13 | 47 | 48 | 18 | 28 | 29 | 18 | 55 | 46 | 18 | 32 |
| <i>Paratrochammina globorotaliformis</i> | 0 | 2 | 5 | 3 | 1 | 2 | 1 | 3 | 1 | 1 | 19 | 5 | 3 | 6 | 9 | 6 | 0 | 5 | 1 | 1 |
| <i>Patellina corrugata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 1 | 0 | 5 | 1 | 0 | 0 | 0 | 0 |
| <i>Planulina ariminensis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| <i>Polymorphina ampulla</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Psammosphaera fusca</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Pullenia bulloides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Pullenia subcarinata</i> | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 6 | 1 | 3 | 3 | 7 | 2 | 2 | 1 | 0 | 1 |
| <i>Pyrulina cylindroides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Quinqueloculina semilunaris</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Reophax scorpiorus</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Rhabdammina abyssorum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Robertinoides bradyi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| <i>Rosalina brady</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Rosalina semipunctata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Siphonotextularia fretensis</i> | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Spirillina vivipara</i> | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 3 | 1 | 0 | 3 | 1 | 0 | 0 | 0 |
| <i>Stainforthia fusiformis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Textularia agglutinans</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Textularia tenuissima</i> | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| <i>Textularia truncata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Trifarina angulosa</i> | 6 | 3 | 4 | 20 | 3 | 4 | 8 | 8 | 4 | 7 | 8 | 4 | 3 | 9 | 7 | 13 | 1 | 0 | 0 | 3 |
| <i>Trifarina bradyi</i> | 6 | 7 | 14 | 20 | 3 | 2 | 9 | 10 | 3 | 15 | 15 | 14 | 19 | 14 | 23 | 34 | 1 | 0 | 2 | 17 |
| <i>Tritaxis fusca</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| <i>Triloculina tricarinata</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trochammina globigeriniformis</i> | 0 | 0 | 0 | 11 | 2 | 0 | 1 | 2 | 0 | 10 | 1 | 9 | 3 | 8 | 1 | 1 | 0 | 0 | 0 | 0 |
| <i>Trochammina globulosa</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Trochammina labiosa</i> | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| <i>Trochammina nitida</i> | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|-------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Volume (cm3) | 14 | 18 | 20 | 45 | 20 | 32 | 30 | 16 | 20 | 13 | 47 | 48 | 18 | 28 | 29 | 18 | 55 | 46 | 18 | 32 |
| <i>Trochammina robertsoni</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | |
| <i>Uvigerina auberiana</i> | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Uvigerina mediterranea</i> | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | |
| <i>Uvigerina peregrina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Valvularia bradyana</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| Unidentified | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 2 | |
| Total | 37 | 38 | 106 | 142 | 41 | 21 | 71 | 97 | 26 | 75 | 135 | 150 | 117 | 135 | 200 | 175 | 25 | 30 | 45 | 92 |

B)

| sample number | BC34 | BC34 | BC34 | BC34 | BC34 | BC34 | BC26 | BC26 | BC26 | BC26 | BC26 | BC26 | BC35 | BC35 | BC35 | BC35 | BC35 | BC35 | BC35 |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| sampling interval (cm) | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | |
| volume (cm3) | 53 | 32 | 48 | 57 | 51 | 49 | 18 | 10 | 14 | 13 | 14 | 8 | 18 | 59 | 52 | 64 | 74 | 55 | |
| <i>Adercotryma wrightii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | |
| <i>Alabaminella weddellensis</i> | 0 | 3 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 2 | 4 | 16 | 0 | 2 | 0 | 0 | |
| <i>Bolivina difformis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| <i>Bolivina pseudopunctata</i> | 2 | 2 | 9 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 0 | |
| <i>Bulimina marginata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cibicides aravaensis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cibicides mundulus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| <i>Cibicides refulgens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 110 | 5 | 0 | 0 | |
| <i>Cornuspira involvens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| <i>Discanomalina coronata</i> | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | 2 | 0 | 0 | 0 | |
| <i>Discorbina bertheloti</i> | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | |
| <i>Epistominella exigua</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| <i>Gavelinopsis praegeri</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | |

| sample number | BC34 | BC34 | BC34 | BC34 | BC34 | BC34 | BC26 | BC26 | BC26 | BC26 | BC26 | BC35 | BC35 | BC35 | BC35 | BC35 | BC35 | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| sampling interval (cm) | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 | 0 - 1 | 1 - 2 | 2 - 3 | 3 - 4 | 4 - 5 | 5 - 6 |
| volume (cm ³) | 53 | 32 | 48 | 57 | 51 | 49 | 18 | 10 | 14 | 13 | 14 | 8 | 18 | 59 | 52 | 64 | 74 | 55 |
| <i>Trochammina nitida</i> | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Uvigerina mediterranea</i> | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Uvigerina peregrina</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Valvularia bradyana</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Unidentified | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 1 | 0 |
| Total | 39 | 29 | 22 | 5 | 0 | 0 | 116 | 7 | 1 | 3 | 2 | 3 | 45 | 238 | 45 | 30 | 23 | 2 |

C)

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|----------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Adercotryma wrightii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| <i>Alabaminella weddellensis</i> | 1 | 28 | 8 | 2 | 13 | 0 | 9 | 24 | 15 | 13 | 28 | 19 | 26 | 17 | 13 | 10 | 10 | 8 | 26 | 15 |
| <i>Ammolagena clavata</i> | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | |
| <i>Ammonia beccarii</i> | 7 | 1 | 3 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 2 | 7 | 0 | 0 | 2 | 3 | 1 | 3 | 0 | 1 |
| <i>Amphycorina scalaris</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 |
| <i>Anomalinoides globulosa</i> | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| <i>Astronomion gallowayi</i> | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Astrononion stellatum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Bathysiphon filiformis</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| <i>Biloculinella globula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 0 | 1 |
| <i>Bolivina alata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina difformis</i> | 0 | 2 | 0 | 2 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 4 | 1 | 3 | 1 | 0 | 2 | 3 | 0 | 1 |
| <i>Bolivina dilatata</i> | 0 | 8 | 5 | 1 | 7 | 1 | 1 | 8 | 8 | 4 | 9 | 4 | 10 | 6 | 2 | 7 | 5 | 1 | 5 | 3 |
| <i>Bolivina pseudoplicata</i> | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 1 | 0 | 0 |
| <i>Bolivina pseudopunctata</i> | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 2 | 3 | 0 | 4 | 6 | 4 | 0 | 3 | 5 | 0 | 4 | 2 | 0 |

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|-----------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Bolivina spathulata</i> | 1 | 18 | 13 | 1 | 25 | 2 | 3 | 6 | 26 | 18 | 20 | 22 | 23 | 23 | 20 | 10 | 22 | 20 | 8 | 9 |
| <i>Bolivina spinescens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bolivina striatula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| <i>Bolivina subaeriensis</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 1 |
| <i>Bolivina subspinescens</i> | 9 | 7 | 11 | 12 | 7 | 2 | 8 | 18 | 20 | 13 | 9 | 9 | 12 | 7 | 7 | 18 | 5 | 7 | 5 | 6 |
| <i>Bolivina sp.1</i> | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bulimina aculeata</i> | 2 | 8 | 1 | 4 | 3 | 4 | 15 | 8 | 2 | 5 | 1 | 3 | 3 | 5 | 3 | 2 | 3 | 3 | 3 | 3 |
| <i>Bulimina marginata</i> | 12 | 21 | 10 | 1 | 25 | 2 | 0 | 14 | 21 | 13 | 20 | 13 | 18 | 6 | 6 | 10 | 16 | 18 | 12 | 13 |
| <i>Bulimina spicata</i> | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bulimina striata</i> | 2 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| <i>Cassidulina carinata</i> | 0 | 3 | 0 | 1 | 3 | 0 | 0 | 0 | 7 | 0 | 8 | 5 | 5 | 5 | 2 | 0 | 0 | 0 | 2 | 0 |
| <i>Cassidulina crassa</i> | 27 | 74 | 56 | 22 | 66 | 6 | 14 | 62 | 79 | 58 | 83 | 80 | 85 | 40 | 39 | 49 | 56 | 46 | 31 | 31 |
| <i>Cassidulina laevigata</i> | 20 | 13 | 21 | 0 | 46 | 0 | 5 | 16 | 4 | 0 | 26 | 21 | 26 | 2 | 15 | 6 | 9 | 24 | 11 | 3 |
| <i>Cassidulina teretis</i> | 190 | 171 | 194 | 304 | 118 | 49 | 167 | 135 | 154 | 242 | 156 | 177 | 136 | 201 | 178 | 182 | 194 | 150 | 184 | 159 |
| <i>Chilostomella oolina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cibicides aravaensis</i> | 26 | 21 | 11 | 24 | 18 | 14 | 14 | 25 | 11 | 14 | 17 | 27 | 10 | 13 | 27 | 21 | 44 | 41 | 49 | 40 |
| <i>Cibicides mundulus</i> | 166 | 79 | 109 | 192 | 53 | 248 | 225 | 98 | 31 | 45 | 120 | 140 | 105 | 151 | 92 | 127 | 129 | 63 | 95 | 212 |
| <i>Cibicides pachyderma</i> | 2 | 0 | 6 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 7 | 13 | 1 | 5 | 5 |
| <i>Cibicides refulgens</i> | 13 | 20 | 33 | 15 | 6 | 15 | 26 | 38 | 4 | 62 | 26 | 31 | 33 | 31 | 14 | 12 | 5 | 37 | 19 | 10 |
| <i>Cibicides ungerianus</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 |
| <i>Cibicides wuellerstorfi</i> | 6 | 13 | 19 | 9 | 6 | 3 | 12 | 7 | 7 | 6 | 5 | 2 | 4 | 0 | 7 | 8 | 5 | 2 | 1 | 11 |
| <i>Cribrostomoides jeffreysii</i> | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | 0 |
| <i>Dentalina baggi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Discanomalina coronata</i> | 29 | 5 | 34 | 37 | 0 | 5 | 6 | 60 | 13 | 188 | 103 | 135 | 104 | 104 | 41 | 67 | 23 | 125 | 104 | 19 |
| <i>Discanomalina japonica</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Discorbina patelliformis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Discorbinella bertheloti</i> | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Eggerella humboldti</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Elphidium crispum</i> | 0 | 1 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 1 | 1 | 1 | 1 | 1 |

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|-----------------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Homalohedra williamsoni</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| <i>Hyalinea balthica</i> | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 3 | 1 | 0 | 1 | 4 | 1 |
| <i>Hyperammina elongata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Hyrrokin sarcophaga</i> | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 |
| <i>Karreriella bradyi</i> | 2 | 10 | 9 | 2 | 18 | 0 | 1 | 5 | 12 | 0 | 4 | 0 | 2 | 1 | 11 | 2 | 8 | 0 | 5 | 1 |
| <i>Lagena gibbera</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Lagena meridionalis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Lagena striata</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Lagena substriata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Lagenammina difflugiformis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| <i>Lenticulina gibba</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Lenticulina orbicularis</i> | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 |
| <i>Lobatula lobatula</i> | 5 | 26 | 19 | 4 | 31 | 3 | 3 | 13 | 37 | 3 | 6 | 8 | 12 | 5 | 20 | 24 | 18 | 5 | 15 | 8 |
| <i>Melonis barleanum</i> | 47 | 55 | 68 | 24 | 69 | 22 | 30 | 39 | 68 | 17 | 24 | 24 | 34 | 19 | 31 | 38 | 38 | 22 | 16 | 21 |
| <i>Melonis pomphiloides</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Miliolinella subrotunda</i> | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 |
| <i>Neolenticulina variabilis</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nodosaria lamarckii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Nonion commune</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 0 |
| <i>Nonionella iridea</i> | 19 | 9 | 11 | 8 | 2 | 1 | 6 | 5 | 1 | 1 | 5 | 6 | 3 | 3 | 0 | 0 | 0 | 20 | 0 | 2 |
| <i>Nonionellina labradorica</i> | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 1 | 1 | 1 | 1 |
| <i>Nonionella turgida</i> | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 1 |
| <i>Nuttallides umbonifera</i> | 4 | 1 | 5 | 6 | 1 | 6 | 2 | 2 | 1 | 4 | 4 | 5 | 6 | 4 | 3 | 8 | 4 | 6 | 7 | 11 |
| <i>Oolina globosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Oolina laevigata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Oridorsalis umbonatus</i> | 2 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 0 | 1 | 3 | 4 |
| <i>Parabrizalina porrecta</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Parafissurina lateralis</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Planulina ariminensis</i> | 5 | 7 | 10 | 1 | 17 | 7 | 4 | 15 | 16 | 3 | 6 | 8 | 20 | 3 | 8 | 5 | 12 | 3 | 8 | 2 |

| Sample number | BC1 | BC4 | BC5 | BC10 | BC14 | BC17 | BC20 | BC21 | BC22 | BC23 | BC24 | BC25 | BC26 | BC28 | BC31 | BC32 | BC33 | BC34 | BC35 | BC36 |
|--------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <i>Triloculina tricarinata</i> | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Tritaxis fusca</i> | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trochammina globigeriniformis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trochammina labiosa</i> | 0 | 5 | 3 | 0 | 7 | 0 | 0 | 0 | 5 | 1 | 16 | 3 | 5 | 5 | 4 | 0 | 0 | 2 | 9 | 2 |
| <i>Trochammina robertsoni</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| <i>Uvigerina auberiana</i> | 5 | 9 | 9 | 1 | 13 | 4 | 1 | 9 | 52 | 5 | 4 | 6 | 16 | 11 | 10 | 12 | 18 | 4 | 10 | 2 |
| <i>Uvigerina bradyana</i> | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Uvigerina mediterranea</i> | 36 | 47 | 31 | 27 | 63 | 23 | 38 | 20 | 24 | 16 | 18 | 15 | 25 | 19 | 22 | 12 | 22 | 12 | 18 | 27 |
| <i>Uvigerina peregrina</i> | 3 | 6 | 17 | 1 | 13 | 5 | 0 | 11 | 28 | 4 | 1 | 1 | 5 | 1 | 15 | 14 | 19 | 10 | 6 | 2 |
| <i>Valvularia bradyana</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| <i>Virgulina concava</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Vulvulina pennatula</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 1 | 0 |
| Unidentified | 6 | 6 | 5 | 2 | 5 | 2 | 0 | 5 | 4 | 0 | 3 | 1 | 2 | 1 | 5 | 3 | 3 | 2 | 3 | 3 |
| Total | 923 | 951 | 1008 | 915 | 952 | 650 | 851 | 962 | 959 | 928 | 1017 | 1039 | 986 | 964 | 908 | 974 | 940 | 913 | 892 | 912 |

Online Resource 3. List of species and their contributions to similarity among groups and dissimilarity between groups. For each species the average abundance (Av. Abund), average similarity (Av. Sim), the contribution (Cont. %), the cumulative contribution to the total similarity or dissimilarity (Cum. %), the ratio between the average contribution and the standard deviation ($\bar{\delta}_i/SD(\bar{\delta}_i)$) are given.

| SIMILARITY – Living assemblage | | | | | SIMILARITY – Dead assemblage | | | | |
|---------------------------------|-----------|---------|-------|-------|----------------------------------|-----------|---------|-------|-------|
| Species | Av. Abund | Av. Sim | Cont% | Cum.% | Species | Av. Abund | Av. Sim | Cont% | Cum.% |
| Cluster L – Av.Sim 47.75 | | | | | Cluster D1 – Av.Sim 74.08 | | | | |
| <i>T. brady</i> | 12.6 | 10.4 | 18.9 | 18.9 | <i>C. kullenbergi</i> | 25.4 | 20.8 | 28.1 | 28.1 |
| <i>A. weddellensis</i> | 11.9 | 8.6 | 15.5 | 34.4 | <i>S. schlumbergeri</i> | 17.3 | 15.1 | 20.3 | 48.4 |
| <i>H. boueana</i> | 9.5 | 6.2 | 11.2 | 45.6 | <i>C. teretis</i> | 19.7 | 14.2 | 19.2 | 67.6 |
| <i>T. angulosa</i> | 6.5 | 4.5 | 8.2 | 53.8 | <i>U. mediterranea</i> | 3.6 | 3.2 | 4.3 | 71.9 |
| <i>N. iridea</i> | 6.2 | 4.1 | 7.4 | 61.2 | <i>E. subarcticum</i> | 3.6 | 2.8 | 3.8 | 75.6 |
| <i>G. subglobosa</i> | 4.6 | 3.5 | 6.4 | 67.6 | <i>M. barleeanum</i> | 3.4 | 2.7 | 3.7 | 79.3 |
| <i>P. globorotaliformis</i> | 4.7 | 3.3 | 4.3 | 73.6 | <i>C. aravaensis</i> | 2.7 | 2.1 | 2.9 | 82.2 |
| <i>A. wrightii</i> | 5.9 | 2.9 | 5.2 | 78.8 | <i>C. crassa</i> | 2.3 | 1.6 | 2.2 | 84.4 |
| <i>G. lamarciana</i> | 2.6 | 1.7 | 3.1 | 81.8 | <i>C. refulgens</i> | 1.9 | 1.4 | 1.9 | 86.3 |
| <i>P. subcarinata</i> | 2.0 | 1.2 | 2.1 | 83.9 | <i>D. coronata</i> | 2.2 | 1.2 | 1.7 | 88.0 |
| <i>M. barleeanum</i> | 2.1 | 0.9 | 1.7 | 85.6 | <i>G. soldanii</i> | 1.5 | 1.1 | 1.4 | 89.4 |
| <i>B. pseudopunctata</i> | 1.7 | 0.9 | 1.6 | 87.1 | | | | | |
| <i>D. coronata</i> | 2.9 | 0.8 | 1.5 | 88.6 | | | | | |
| <i>T. globigeriniformis</i> | 2.1 | 0.8 | 1.4 | 90.0 | | | | | |
| <i>G. soldanii</i> | 1.7 | 0.6 | 1.2 | 91.1 | | | | | |
| Outliers 1 – Av.Sim 35.6 | | | | | Cluster D2 – Av.Sim 72.25 | | | | |
| <i>T. brady</i> | 11.1 | 6.8 | 19.2 | 19.2 | <i>C. teretis</i> | 17.9 | 15.9 | 22.0 | 22.0 |
| <i>H. boueana</i> | 12.3 | 6.8 | 19.2 | 38.4 | <i>C. kullenbergi</i> | 9.9 | 7.9 | 10.9 | 32.9 |
| <i>T. angulosa</i> | 8.6 | 4.3 | 12.1 | 50.5 | <i>C. crassa</i> | 6.2 | 5.3 | 7.3 | 40.2 |
| <i>G. subglobosa</i> | 6.5 | 3.9 | 11.0 | 61.5 | <i>E. subarcticum</i> | 6.2 | 5.2 | 7.2 | 47.4 |
| <i>H. elegans</i> | 7.3 | 3.1 | 8.6 | 70.1 | <i>S. schlumbergeri</i> | 5.3 | 4.4 | 6.1 | 53.5 |
| <i>C. refulgens</i> | 8.1 | 2.4 | 6.8 | 76.9 | <i>D. coronata</i> | 7.7 | 4.3 | 6.0 | 59.5 |
| <i>A. weddellensis</i> | 4.9 | 2.0 | 5.5 | 82.4 | <i>M. barleeanum</i> | 3.9 | 2.8 | 3.9 | 63.4 |
| <i>P. globorotaliformis</i> | 3.8 | 1.1 | 3.1 | 85.4 | <i>G. subglobosa</i> | 3.9 | 2.7 | 3.7 | 67.1 |
| <i>M. barleeanum</i> | 4.9 | 0.7 | 2.1 | 87.5 | <i>U. mediterranea</i> | 2.5 | 1.8 | 2.5 | 69.6 |
| <i>C. mundulus</i> | 1.8 | 0.7 | 2.0 | 89.5 | <i>C. aravaensis</i> | 2.5 | 1.7 | 2.3 | 71.2 |
| <i>N. iridea</i> | 2.3 | 0.6 | 1.7 | 91.2 | <i>C. refulgens</i> | 2.6 | 1.6 | 2.3 | 74.2 |
| | | | | | <i>B. spathulata</i> | 1.9 | 1.5 | 2.1 | 76.4 |
| | | | | | <i>A. weddellensis</i> | 1.8 | 1.6 | 1.9 | 78.2 |
| | | | | | <i>B. marginata</i> | 1.6 | 1.2 | 1.7 | 79.9 |
| | | | | | <i>L. lobatula</i> | 1.7 | 1.1 | 1.5 | 81.4 |
| | | | | | <i>T. angulosa</i> | 1.5 | 1.0 | 1.4 | 82.8 |

DISSIMILARITY – Living assemblage – Av. Dissimilarity 59.79

| | Outliers 1 | Cluster L | | | |
|-----------------------------|------------|-----------|-------------------------------------|-------|-------|
| Species | Av. Abund | Av. Abund | $\bar{\delta}_i/SD(\bar{\delta}_i)$ | Cont% | Cum.% |
| <i>H. boueana</i> | 12.3 | 9.5 | 1.5 | 7.3 | 7.3 |
| <i>A. weddellensis</i> | 4.9 | 11.9 | 1.4 | 7.1 | 14.4 |
| <i>C. refulgens</i> | 8.1 | 1.0 | 0.7 | 6.5 | 20.8 |
| <i>H. elegans</i> | 7.3 | 2.1 | 1.1 | 5.8 | 26.7 |
| <i>T. angulosa</i> | 8.6 | 6.5 | 1.5 | 5.5 | 32.2 |
| <i>T. brady</i> | 11.1 | 12.6 | 1.5 | 5.4 | 37.5 |
| <i>M. barleeanum</i> | 4.9 | 2.1 | 0.6 | 4.5 | 42.0 |
| <i>A. wrightii</i> | 1.2 | 5.9 | 1.2 | 4.4 | 46.4 |
| <i>N. iridea</i> | 2.3 | 6.2 | 1.5 | 4.3 | 50.7 |
| <i>P. globorotaliformis</i> | 3.8 | 4.7 | 1.2 | 3.9 | 54.6 |
| <i>G. subglobosa</i> | 6.5 | 4.6 | 1.3 | 3.2 | 57.8 |
| <i>D. coronata</i> | 2.0 | 2.9 | 1.0 | 3.0 | 60.8 |
| <i>T. globigeriniformis</i> | 2.5 | 2.1 | 0.9 | 2.9 | 63.7 |
| <i>P. subcarinata</i> | 1.4 | 2.0 | 1.3 | 1.9 | 65.7 |
| <i>L. jeffreysii</i> | 1.8 | 0.7 | 0.8 | 1.6 | 67.3 |
| <i>G. lamarciana</i> | 1.1 | 2.6 | 1.4 | 1.6 | 68.9 |
| <i>B. pseudopunctata</i> | 0.4 | 1.7 | 1.2 | 1.5 | 70.4 |

DISSIMILARITY – Dead assemblage – Av. Dissimilarity 41.20

| | Cluster D1 | Cluster D2 | | | |
|-------------------------|------------|------------|-------------------------------------|-------|-------|
| Species | Av. Abund | Av. Abund | $\bar{\delta}_i/SD(\bar{\delta}_i)$ | Cont% | Cum.% |
| <i>C. kullenbergi</i> | 25.4 | 9.9 | 2.0 | 18.7 | 18.7 |
| <i>S. schlumbergeri</i> | 17.3 | 5.3 | 2.7 | 14.5 | 33.2 |
| <i>C. teretis</i> | 19.3 | 17.9 | 1.2 | 8.5 | 41.7 |
| <i>D. coronata</i> | 2.2 | 7.7 | 1.3 | 7.6 | 49.3 |
| <i>C. crassa</i> | 2.3 | 6.2 | 2.2 | 4.8 | 54.1 |
| <i>E. subarcticum</i> | 3.6 | 6.2 | 1.6 | 3.4 | 57.6 |
| <i>G. subglobosa</i> | 1.7 | 3.9 | 1.4 | 3.4 | 60.1 |
| <i>M. barleeanum</i> | 3.4 | 3.9 | 1.3 | 2.1 | 63.1 |
| <i>U. mediterranea</i> | 3.6 | 2.5 | 1.9 | 2.0 | 65.0 |
| <i>B. spathulata</i> | 0.4 | 1.9 | 2.3 | 1.9 | 66.9 |
| <i>C. refulgens</i> | 1.9 | 2.6 | 1.2 | 1.8 | 68.7 |
| <i>C. laevigata</i> | 0.6 | 1.7 | 1.3 | 1.7 | 70.4 |