**Supplementary Table 2**. Gut content of all specimens (excluding *A. fenestratum*) collected in Ireland and France. NA – Not applicable; guts absent due to damage upon ascent.

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| --- | --- | --- | --- |
| **Species name** | **Cruise ID** | **Specimen ID** | **Gut content** |
| *C. cidaris* | CE10004 | E74-U3 | Sediment |
| (Linnaeus, 1758) | BOBECO | PL468-CCA5-U1 | Coral (live with mucus, and dead) |
|  |  | PL468-CCBB1-U2 | Coral (live with mucus, and dead), sponge, grit, Foraminifera |
|  |  | PL468-CCC1-U3 | Sediment only; guts mostly empty |
|  |  | PL468-CCAA4-U4 | Sediment |
|  |  | PL468-CCAA8-U5 | Sediment, coral (live with mucus) |
|  |  | PL469-PBT1-U1 | Sediment, coral (live with mucus and polyp tissue; and dead), hydroid, Foraminifera |
|  |  | PL469-CCA1-U2 | Sediment, sponge, echinoid spine, Foraminifera, calcareous tubes of polychaete |
|  |  | PL469-CCB6-U3 | Sediment |
|  |  | PL469-CCA7-U4 | Sediment, majority coral (dead) |
|  |  | PL469-CCA3-U5 | Majority coral (dead), echinoid spine, flatworm |
|  |  | PL469-CCC1-U7 | Majority coral (dead) |
|  |  | PL471-CCA1-U1 | Sediment, coral (dead); guts mostly empty |
|  |  | PL471-CCB1-U2 | Sediment |
|  |  | PL471-CCA6-U3 | One piece of hydroid, and one piece of sponge; guts mostly empty except for these two pieces |
|  |  | PL471-CCA3-U4 | Majority coral (dead) |
|  |  | PL471-CCA5-U5 | Majority sediment, coral (dead), bryozoan |
|  |  | PL471-CCB7-U6 | Sediment; guts mostly empty |
|  |  | PL471-CCA8-U7 | Mostly sediment, some coral (dead), calcareous tube of polychaete, bryozoan, grit |
|  |  | PL471-GBT-U8 | Sediment, coral (dead) |
|  |  | PL476-CCB4-U1 | Sediment, majority coral (mucus, polyp tissue, live and dead) |
|  |  | PL476-CCA4-U2 | Sediment |
|  |  | PL476-CCA5-U3 | Sediment |
|  |  | PL476-CCB5-U4 | Empty |
|  |  | PL476-CCA6-U5 | Sediment, hydroid; guts mostly empty |
|  |  | PL476-CCC4-U6 | Coral (live with mucus) |
|  |  | PL476-CCC7-U7 | Coral (dead), hydroid, 8 flatworms (still alive!) |
|  |  | PL476-CCC2-U8 | Majority coral (dead), sponge |
|  |  | PL476-CCB1-U10 | Sediment, coral (dead, one small piece), hydroid |
|  |  | PL476-CCB2-U11 | Sediment |
|  |  | PL476-CCB7-U12 | Empty |
|  |  | PL476-CCB3-U13 | Sediment, coral (dead, sponge spicules on coral) |
|  |  | PL476-CCB4-U14 | Sediment |
|  |  | PL476-CCC5-U15 | Sediment, hydroid |
|  |  | PL478-CCA8-U1 | Coral (dead), majority sponge (*Poecillastra*?) |
|  |  | PL478-GBT1-U2 | Majority sediment, coral (dead), crustacean exoskeleton, sponge |
|  |  | PL479-CCB2-U3 | NA |
|  |  | PL480-CCB8-U4 | Sediment, coral (live with mucus and polyp tissue), hydroid; guts mostly empty |
|  |  | PL480-CCA6-U5 | Majority sediment, grit, some tubes (amphipod tubes?) |
|  |  | PL480-CCA8-U6 | Sediment |
|  |  | PL480-CCB1-U7 | Sediment, coral (live with mucus and polyp tissue); gut mostly empty |
|  |  | PL480-CCA4-U8 | Sediment, hydroid |
|  |  | PL480-CCA6-U9 | Majority sediment, hydroid |
|  |  | PL480-CCB6-U10 | Sediment, hydroid |
|  |  | PL480-CCB6-U11 | Sediment |
|  |  | PL480-CCB6-U12 | Sediment |
|  |  | PL480-GBT2-U13 | Sediment, majority coral (live) |
| *G. affinis* | CE10004 | E37-U1 | NA |
| (Mortensen, 1903) |  | E85-U1 | Sediment, Foraminifera |
|  |  | E85-U2 | Sediment |
|  |  | E85-U3 | Sediment |
|  |  | E85-U4 | Sediment |
|  |  | E85-U5 | Empty |
|  |  | E85-U6 | Empty |
|  |  | E85-U7 | Sediment, grit |
|  |  | E85-U8 | Sediment; guts very empty |
|  |  | E85-U9 | NA |
|  |  | E96-U1 | Sediment |
|  |  | E96-U2 | Sediment |
|  |  | E96-U3 | Sediment |
|  |  | E96-U4 | Sediment |
|  |  | E96-U5 | Sediment |
|  |  | E96-U6 | Sediment |
|  |  | E96-U7 | Sediment |
|  |  | E96-U8 | Sediment |
|  |  | E96-U9 | Sediment |
|  |  | E96-U10 | Sediment |
|  |  | E96-U11 | Sediment |
|  |  | E96-U12 | Sediment |
|  |  | E96-U13 | Sediment |
|  |  | E96-U14 | Sediment |
|  |  | E96-U15 | Sediment |
|  |  | E96-U16 | Sediment |
| *G. alexandri* | CE10004 | E108-U2 | Sediment |
| (Danielssen and |  | E108-U6 | Sediment |
| Koren, 1883) | CE11006 | E4-U2 | Sediment, coral |
|  |  | E12-U3 | Sediment, coral (live with mucus); guts mostly empty |
|  |  | E12-U4 | Majority sediment, coral (live with mucus) |
|  |  | E12-U5 | Sediment |
|  |  | E14-U1 | NA |
|  |  | E14-U2 | Sediment, coral (dead) |
|  | BOBECO | PL467-CCA3-U1 | Clay, grit |
|  |  | PL470-CCB5-U1 | Sediment, coral (live and dead); guts mostly empty |
|  |  | PL470-CCB7-U3 | Sediment; guts mostly empty |
| *G. elegans* | CE10004 | E74-U1 | Coral (live with mucus and polyp tissue) |
| (Düben and Koren, |  | E74-U2 | Coral (live with mucus and polyp tissue); guts mostly empty |
| 1844) |  | E108-U1 | Coral (live with mucus and polyp tissue) |
|  |  | E108-U3 | Coral (live with mucus and polyp tissue) |
|  |  | E108-U4 | Coral (live with mucus and polyp tissue) |
|  |  | E108-U5 | Coral (live with mucus and polyp tissue) |
|  |  | E108-U7 | Coral (live with mucus and polyp tissue) |
|  |  | E108-U8 | Sediment, coral (live with mucus and polyp tissue) |
|  | CE11006 | E4-U1 | Sediment |
|  | BOBECO | PL470-CCB4-U2 | Coral (live with mucus and polyp tissue) |
| *H. petersii* | CE11006 | E19-U1 | Clay |
| (A. Agassiz 1880) |  | E19-U2 | Clay |
|  |  | E19-U3 | Sediment |
|  |  | E19-U6 | Sediment |
|  |  | E19-U7 | NA |
| *H. purpurata* | CE12006 | E64-U1 | Sediment, hydroid |
| (Thomson, 1872) |  | E64-U2 | Sediment, hydroid |
| *P. placenta* | CE10004 | E52-U2 | Sediment |
| (Thomson, 1872) |  | E52-U3 | Sediment |
|  |  | E52-U4 | Sediment |
| *S. grimaldii* | CE11006 | E19-U4 | Sediment |
| (Koehler, 1897) |  | E19-U5 | Sediment |
|  |  | E19-U8 | NA |
|  |  | E19-U9 | Sediment |
|  |  | E19-U10 | Sediment; guts mostly empty |
|  |  | E19-U11 | Sediment |
|  |  | E19-U12 | Sediment |
|  | BOBECO | PL470-CCB3-U4 | Sediment |
| *T. Uranus* (Thomson, 1877) | CE10004 | E52-U1 | Sediment |