Supplement of Biogeosciences, 17, 6163–6184, 2020
https://doi.org/10.5194/bg-17-6163-2020-supplement
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Supplement of

Adult life strategy affects distribution patterns in abyssal isopods – implications for conservation in Pacific nodule areas

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| original Field ID (use in circle trees) | BOLD sample ID | locus type | RegionCode | GenBank no COI | GenBank no 16S |
|------------------------------------------|---------------|-----------|------------|----------------|----------------|
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
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| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
| D01_2164 | BOLD:ADL8989 | Desmosomatidae | DISCOL | MW072497 | |
null
| Species                        | APEI3 | GSR  | DISCOL | IFREMER | BGR  | IOM  |
|-------------------------------|-------|------|--------|---------|------|------|
| Desmosomatidae_cf. Chelator_D01 | 1     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_cf. Chelator_D05 | 1     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_cf. Disparella_D24 | 0     | 1    | 0      | 0       | 1    | 0    |
| Desmosomatidae_cf. Disparella_D25 | 0     | 0    | 0      | 0       | 0    | 1    |
| Desmosomatidae_cf. Disparella_D27 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_cf. Disparella_D28 | 3     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_cf. Eugerdella_D52 | 0     | 0    | 2      | 0       | 0    | 0    |
| Desmosomatidae_cf. Eugerdella_D36 | 0     | 0    | 0      | 0       | 0    | 2    |
| Desmosomatidae_cf. Eugerdella_D47 | 0     | 0    | 0      | 0       | 1    | 0    |
| Desmosomatidae_cf. Mirabilicoxa_D09 | 0     | 0    | 0      | 0       | 1    | 0    |
| Desmosomatidae_cf. Mirabilicoxa_D10 | 2     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_cf. Mirabilicoxa_D12 | 0     | 0    | 0      | 2       | 0    | 0    |
| Desmosomatidae_cf. Mirabilicoxa_D13 | 0     | 0    | 0      | 0       | 1    | 0    |
| Desmosomatidae_cf. Mirabilicoxa_D18 | 0     | 0    | 0      | 2       | 0    | 0    |
| Desmosomatidae_cf. Prochelator_D32 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Chelator_D01 | 3     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D03 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D04 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D05 | 2     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D06 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D07 | 0     | 1    | 0      | 0       | 3    | 0    |
| Desmosomatidae_Delay_D22 | 1     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D23 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D24 | 0     | 0    | 0      | 0       | 2    | 0    |
| Desmosomatidae_Delay_D25 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D26 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D50 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D51 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D36 | 0     | 0    | 0      | 0       | 0    | 1    |
| Desmosomatidae_Delay_D16 | 0     | 0    | 0      | 0       | 1    | 0    |
| Desmosomatidae_Delay_D17 | 0     | 0    | 1      | 0       | 4    | 0    |
| Desmosomatidae_Delay_D33 | 0     | 0    | 1      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D34 | 1     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D35 | 3     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D36 | 0     | 0    | 0      | 0       | 0    | 2    |
| Desmosomatidae_Delay_D38 | 0     | 1    | 0      | 0       | 3    | 0    |
| Desmosomatidae_Delay_D39 | 0     | 0    | 0      | 0       | 8    | 2    |
| Desmosomatidae_Delay_D40 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D41 | 0     | 0    | 0      | 0       | 2    | 0    |
| Desmosomatidae_Delay_D42 | 0     | 0    | 0      | 0       | 0    | 1    |
| Desmosomatidae_Delay_D43 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D44 | 0     | 2    | 0      | 3       | 0    | 1    |
| Desmosomatidae_Delay_D45 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D46 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D48 | 0     | 1    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D49 | 0     | 1    | 0      | 0       | 2    | 0    |
| Desmosomatidae_Delay_D10 | 0     | 0    | 0      | 0       | 3    | 0    |
| Desmosomatidae_Delay_D11 | 1     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D12 | 0     | 1    | 0      | 1       | 2    | 1    |
| Desmosomatidae_Delay_D13 | 0     | 0    | 0      | 2       | 0    | 0    |
| Desmosomatidae_Delay_D14 | 0     | 1    | 0      | 0       | 3    | 1    |
| Desmosomatidae_Delay_D15 | 3     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D18 | 0     | 0    | 2      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D19 | 0     | 0    | 0      | 3       | 0    | 1    |
| Desmosomatidae_Delay_D20 | 0     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D21 | 0     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D37 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D98 | 3     | 0    | 0      | 0       | 0    | 0    |
| Desmosomatidae_Delay_D29 | 0     | 0    | 0      | 1       | 0    | 0    |
| Desmosomatidae_Delay_D30 | 0     | 3    | 1      | 0       | 4    | 0    |
| Desmosomatidae_Delay_D31 | 1     | 0    | 0      | 0       | 0    | 0    |
| Class               | Genus          | Subgenus | Species | ID   |
|--------------------|----------------|----------|---------|------|
| Haploniscidae      | Chauliodoniscus| H07      |         | 0    |
| Haploniscidae      | Chauliodobiscus| H15      |         | 0    |
| Haploniscidae      | Chauliodoniscus| H09      |         | 0    |
| Haploniscidae      | Chauliodoniscus| H14      |         | 0    |
| Haploniscidae      | Chauliodoniscus| H15      |         | 0    |
| Haploniscidae      | Haploniscus    | H03      |         | 0    |
| Haploniscidae      | Haploniscus    | H04      |         | 0    |
| Haploniscidae      | Haploniscus    | H05      |         | 0    |
| Haploniscidae      | Haploniscus    | H06      |         | 0    |
| Haploniscidae      | Haploniscus    | H10      |         | 0    |
| Haploniscidae      | Haploniscus    | H11      |         | 7    |
| Haploniscidae      | Haploniscus    | H12      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H01      |         | 2    |
| Haploniscidae      | Mastigoniscus  | H02      |         | 2    |
| Haploniscidae      | Mastigoniscus  | H08      |         | 3    |
| Haploniscidae      | Mastigoniscus  | H13      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H16      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H17      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H18      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H19      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H20      |         | 3    |
| Haploniscidae      | Mastigoniscus  | H21      |         | 0    |
| Haploniscidae      | Mastigoniscus  | H22      |         | 0    |
| Macrostylidae      | Macrostylis    | M00      |         | 0    |
| Macrostylidae      | Macrostylis    | M01      |         | 0    |
| Macrostylidae      | Macrostylis    | M02      |         | 0    |
| Macrostylidae      | Macrostylis    | M03      |         | 0    |
| Macrostylidae      | Macrostylis    | M04      |         | 10   |
| Macrostylidae      | Macrostylis    | M05      |         | 1    |
| Macrostylidae      | Macrostylis    | M06      |         | 0    |
| Macrostylidae      | Macrostylis    | M07      |         | 0    |
| Munnopsidae        | Mu11           |          |         | 0    |
| Munnopsidae        | Acanthocope    | Mu56     |         | 7    |
| Munnopsidae        | Aspidarachna   | Mu53     |         | 0    |
| Munnopsidae        | Bellibos       | Mu43     |         | 3    |
| Munnopsidae        | Bellibos       | Mu44     |         | 2    |
| Munnopsidae        | Betamorpha     | Mu20     |         | 0    |
| Munnopsidae        | Betamorpha     | Mu40     |         | 0    |
| Munnopsidae        | Betamorpha     | Mu41     |         | 1    |
| Munnopsidae        | Betamorpha     | Mu42     |         | 0    |
| Munnopsidae        | Betamorpha     | Mu45     |         | 0    |
| Munnopsidae        | Betamorpha     | Mu46     |         | 0    |
| Munnopsidae        | Betamorpha     | Mu47     |         | 1    |
| Munnopsidae        | Betamorpha     | Mu69     |         | 5    |
| Munnopsidae        | Betamorpha     | Mu70     |         | 0    |
| Munnopsidae        | Disconectes    | Mu07     |         | 0    |
| Munnopsidae        | Disconectes    | Mu75     |         | 0    |
| Munnopsidae        | Disconectes    | Mu01     |         | 2    |
| Munnopsidae        | Disconectes    | Mu02     |         | 0    |
| Munnopsidae        | Disconectes    | Mu03     |         | 3    |
| Munnopsidae        | Disconectes    | Mu04     |         | 0    |
| Munnopsidae        | Disconectes    | Mu05     |         | 0    |
| Munnopsidae        | Disconectes    | Mu06     |         | 1    |
| Munnopsidae        | Disconectes    | Mu07     |         | 0    |
| Munnopsidae        | Disconectes    | Mu08     |         | 0    |
| Munnopsidae        | Disconectes    | Mu09     |         | 2    |
| Munnopsidae        | Disconectes    | Mu10     |         | 0    |
| Munnopsidae        | Disconectes    | Mu11     |         | 0    |
| Munnopsidae        | Disconectes    | Mu12     |         | 0    |
| Munnopsidae        | Disconectes    | Mu13     |         | 0    |
| Munnopsidae | Disconectes_Mu37 | 0 | 0 | 0 | 0 | 1 | 0 |
|------------|------------------|---|---|---|---|---|---|
| Munnopsidae | Disconectes_Mu71 | 0 | 0 | 0 | 0 | 0 | 1 |
| Munnopsidae | Disconectes_Mu72 | 0 | 0 | 6 | 0 | 0 | 0 |
| Munnopsidae | Disconectes_Mu73 | 0 | 0 | 0 | 1 | 0 | 0 |
| Munnopsidae | Disconectes_Mu74 | 0 | 0 | 0 | 0 | 0 | 2 |
| Munnopsidae | Disconectes_Mu76 | 0 | 0 | 1 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu15   | 0 | 0 | 0 | 0 | 0 | 2 |
| Munnopsidae | Eurycope_Mu16   | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Eurycope_Mu18   | 0 | 0 | 0 | 5 | 0 | 0 |
| Munnopsidae | Eurycope_Mu19   | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Eurycope_Mu21   | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Eurycope_Mu22   | 0 | 0 | 0 | 1 | 1 | 1 |
| Munnopsidae | Eurycope_Mu23   | 0 | 2 | 0 | 0 | 1 | 1 |
| Munnopsidae | Eurycope_Mu24   | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Eurycope_Mu25   | 0 | 4 | 0 | 0 | 1 | 2 |
| Munnopsidae | Eurycope_Mu26   | 0 | 0 | 0 | 1 | 2 | 0 |
| Munnopsidae | Eurycope_Mu27   | 0 | 0 | 1 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu28   | 0 | 0 | 3 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu29   | 0 | 0 | 1 | 0 | 1 | 0 |
| Munnopsidae | Eurycope_Mu30   | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu31   | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu32   | 0 | 1 | 0 | 0 | 5 | 0 |
| Munnopsidae | Eurycope_Mu33   | 4 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu34   | 0 | 1 | 0 | 1 | 0 | 0 |
| Munnopsidae | Eurycope_Mu35   | 0 | 0 | 0 | 0 | 1 | 0 |
| Munnopsidae | Eurycope_Mu36   | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Eurycope_Mu37   | 0 | 5 | 3 | 1 | 6 | 3 |
| Munnopsidae | Eurycope_Mu68   | 0 | 0 | 0 | 0 | 0 | 1 |
| Munnopsidae | Ilyarachna_Mu54 | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Ilyarachna_Mu55 | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Microscope_Mu82 | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Microscope_Mu83 | 0 | 0 | 0 | 2 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu63 | 0 | 0 | 1 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_sp.6_Mu48 | 0 | 0 | 1 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_sp.6_Mu52 | 2 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu48 | 0 | 0 | 0 | 1 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu63 | 0 | 1 | 3 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu64 | 0 | 1 | 0 | 0 | 0 | 1 |
| Munnopsidae | Munneurycope_Mu65 | 2 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu66 | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu67 | 0 | 5 | 0 | 1 | 6 | 1 |
| Munnopsidae | Munneurycope_Mu68 | 3 | 1 | 0 | 1 | 0 | 1 |
| Munnopsidae | Munneurycope_Mu77 | 0 | 0 | 0 | 0 | 2 | 0 |
| Munnopsidae | Munneurycope_Mu78 | 0 | 0 | 0 | 0 | 2 | 0 |
| Munnopsidae | Munneurycope_Mu79 | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu80 | 0 | 0 | 2 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu81 | 0 | 4 | 0 | 0 | 5 | 0 |
| Munnopsidae | Munneurycope_Mu39 | 0 | 0 | 1 | 0 | 0 | 0 |
| Munnopsidae | Munneurycope_Mu51 | 0 | 1 | 0 | 0 | 0 | 0 |
| Munnopsidae | Paralipomera_Mu84 | 0 | 0 | 3 | 0 | 0 | 0 |
| Munnopsidae | Paramunneopsis_Mu38 | 0 | 1 | 1 | 0 | 1 | 0 |
| Munnopsidae | Paramunneopsis_Mu39 | 0 | 0 | 0 | 0 | 0 | 1 |
| Munnopsidae | Rectisura_Mu57 | 0 | 0 | 2 | 0 | 0 | 0 |
| Munnopsidae | Rectisura_Mu58 | 3 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Rectisura_Mu59 | 0 | 3 | 0 | 0 | 0 | 0 |
| Munnopsidae | Rectisura_Mu60 | 0 | 0 | 0 | 2 | 3 | 0 |
| Munnopsidae | Rectisura_Mu61 | 1 | 0 | 0 | 0 | 0 | 0 |
| Munnopsidae | Stortyngura_Mu62 | 0 | 0 | 2 | 0 | 0 | 0 |
| Munnopsidae | Syneurycope_Mu85 | 0 | 0 | 0 | 6 | 0 | 0 |
| Munnopsidae | Syneurycope_Mu86 | 0 | 0 | 0 | 0 | 2 | 0 |
| Munnopsidae | Tytthocope_Mu49 | 0 | 0 | 0 | 0 | 0 | 2 |
| Munnopsidae | Tytthocope_Mu50 | 0 | 1 | 0 | 0 | 0 | 0 |