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**Geographic and ontogenetic variations in parasite communities of intertidal fish species from south-eastern Pacific coast**

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**Supplementary table S1.** Mean intensity (IN ± SD) and prevalence (P, %) of ecto and endoparasites recorded in *Hypsoblennius sordidus* from different ontogenetic stages: larvae (L), juvenile (J) and adult (A); and geographic areas: Northern Area (23°26'S) and Central Area (33°25’S- 33°30’S). n: number of fish captured.

|  |  |  |  |
| --- | --- | --- | --- |
|   |   | NORTH AREA | CENTRAL AREA |
|  |  | L | J | A | L | J | A |
|   |   | n= 62 | n= 82 | n= 136 | n= 59 | n= 58 | n= 31 |
| **Ectoparasites** |  |  |  |  |  |  |  |
| *Neobenedenia melleni* | IN |  |  |  |  |  | 1 ± 0 |
|  | P |  |  |  |  |  | 3.2 |
| *Gyrodactilus* sp. | IN |  |  |  |  |  | 1 ± 0 |
|  | P |  |  |  |  |  | 3.2 |
| Piscicolidae gen. sp.  | IN |  |  |  |  | 1 ± 0 | 1 ± 0 |
|  | P |  |  |  |  | 10.3 | 25.8 |
| **Endoparasites** |  |  |  |  |  |  |  |
| Opecoelidae sp.4  | IN |  |  | 11 ± 2.1 |  |  |  |
|  | P |  |  | 8.1 |  |  |  |
| Opecoelidae sp.5  | IN |  |  | 1.3 ± 0.6 |  |  |  |
|  | P |  |  | 2.2 |  |  |  |
| Opecoelidae sp.6  | IN |  |  | 2.2 ± 1 |  |  |  |
|  | P |  |  | 4.4 |  |  |  |
| Metacercariae 2 | IN |  | 1 ± 0 |  |  |  |  |
|  | P |  | 1.2 |  |  |  |  |
| Acanthocolpidae met. | IN |  |  | 9.7 ± 15 |  |  |  |
|  | P |  |  | 2.2 |  |  |  |
| *Lecithaster* cf. *macrocotyle* | IN |  |  |  |  | 1 ± 0 |  |
|  | P |  |  |  |  | 1.7 |  |
| *Pseudoterranova* sp. | IN |  |  | 1 ± 0 |  |  |  |
|   | P |   |   | 1.5 |   |   |   |

**Supplementary table S2.** Mean intensity (IN ± SD) and prevalence (P, %) of ecto and endoparasites recorded in *Helcogrammoides cunninghami* from different ontogenetic stages: larvae (L), juvenile (J) and adult (A); and geographic areas: Northern Area (23°26'S) and Central Area (33°25’S- 33°30’S). n: number of fish captured.

|  |  |  |  |
| --- | --- | --- | --- |
|   |   | NORTH AREA | CENTRAL AREA |
|   |   | L | J | A | L | J | A |
|   |   | n= 63 | n= 98 | n= 74 | n= 63 | n= 60 | n= 67 |
| **Ectoparasites** |  |  |  |  |  |  |  |
| Piscicolidae gen. sp.  | IN |  |  |  |  |  | 1 ± 0  |
|  | P |  |  |  |  |  | 6.0 |
| *Holobomolochus chilensis* | IN |  |  |  |  | 1.6 ± 1.1 | 1.5 ± 1.5 |
|  | P |  |  |  |  | 11.7 | 16.4 |
| *Trifur* sp. | IN | 1.3 ± 0.6 |  |  | 1 ± 0  |  |  |
|  | P | 4.8 |  |  | 6.3 |  |  |
| **Endoparasites** | IN |  |  |  |  |  |  |
| Opecoelidae sp.1  | P |  |  | 1.4 |  |  |  |
|  | IN |  |  | 2 ±  |  |  |  |
| Opecoelidae sp. 2 | P |  |  | 1.4 |  |  |  |
|  | IN |  |  | 2 ±  |  |  |  |
| Opecoelidae sp.3  | P |  |  | 9.5 |  |  |  |
|  | IN |  |  | 1.4 ± 0.5 |  |  |  |
| Metacercaria 2 | P |  | 1.0 |  |  |  |  |
|  | IN |  | 1 ±  |  |  |  |  |
| Hemiuridae gen. sp.1 | P |  |  |  |  | 1.7 | 10.4 |
|  | IN |  |  |  |  | 1 ±  | 1 ± 0  |
| *Lecithaster* cf. *macrocotyle* | P |  |  |  |  | 3.3 | 6.0 |
|  | IN |  | 1.0 | 2.7 |  | 1 ± 0  | 1 ± 0  |
| Digenean undetermined | P |   | 1 ±  | 1 ± 0  |   |   |   |

**Supplementary table S3.** Mean intensity (IN ± SD) and prevalence (P, %) of ecto and endoparasites recorded in *Scartichthys viridis* from different ontogenetic stages: larvae (L), juvenile (J) and adult (A); and geographic areas: Northern Area (23°26'S- 23°45'S); and Central Area (33°25’S- 33°30’S). n: number of fish captured.

|  |  |  |  |
| --- | --- | --- | --- |
|   |   | NORTH AREA | CENTRAL AREA |
|   |   | L | J | A | L | J | A |
|   |   | n=61 | n=71 | n=8 | n=64 | n=74 | n=14 |
| **Ectoparasites** |  |  |  |  |  |  |  |
| *Neobenedenia melleni* | IN |  |  |  |  |  | 1 ± 0 |
|  | P |  |  |  |  |  | 28.6 |
| *Lepeophtheirus zbigniewi* | IN |  | 1 ± | 1 ± |  | 1 ± | 1.75 ± 0.5 |
|  | P |  | 1.4 | 12.5 |  | 1.4 | 28.6 |
| *Colobomatus tenuis* | IN |  | 1.5 ± 0.7 | 2.3 ± 1.0 |  | 1.5 ± 0.6 | 2.8 ± 2.8 |
|  | P |  | 15.5 | 87.5 |  | 5.4 | 100 |
| Piscicolidae gen. sp.  | IN |  |  |  |  | 1.7 ± 1.2 | 10.9 ± 14.7 |
|  | P |  |  |  |  | 25.7 | 85.7 |
| *Microcotyle* sp. | IN |  |  | 3.7 ± 1.5 |  |  | 4.1 ± 3.4 |
|  | P |  |  | 37.5 |  |  | 57.1 |
| **Endoparasites** |  |  |  |  |  |  |  |
| *Corynosoma* sp. | IN |  |  |  |  |  | 1 ± |
|  | P |  |  |  |  |  | 7.1 |
| Polymorphus sp. | IN |  |  | 1 ± |  |  |  |
|  | P |  |  | 12.5 |  |  |  |
| *Pseudodelphis cf. chilensis* | IN |  | 2 ± |  |  |  | 2 ± |
|  | P |  | 1.4 |  |  |  | 7.1 |
| Pseudophyllidea gen. sp. | IN |  |  |  |  |  | 4 ± |
|  | P |  |  |  |  |  | 7.1 |
| *Hemipera cribbi* | IN |  |  |  |  |  | 1 ± |
|  | P |  |  |  |  |  | 7.1 |
| *Monascus filliformis* | IN |  |  | 1 ± |  |  |  |
|  | P |  |  | 12.5 |  |  |  |
| *Megasolena littoralis* | IN |  | 2 ± | 1.8 ± 1.2 |  | 2 ± | 6 ± 4.5 |
|  | P |  | 4.2 | 75 |  | 1.4 | 28.6 |
| *Monorchimacradena viridis* | IN |  |  |  |  |  | 2.7 ± 2.7 |
|  | P |  |  |  |  |  | 42.9 |
| Opecoelidae sp. 7 | IN |  |  |  |  |  | 3.3 ± 2.5 |
|  | P |  |  |  |  |  | 21.4 |
| \* Bucephallidae gen. sp. | IN |  | 1 ± | 56 ± |  |  | 1 ± |
|  | P |  | 1.4 | 12.5 |  |  | 7.1 |
| \* Metacercariae 2 | IN |  | 18.7 ± 30.6 | 11.5 ± 12.0 |  |  |  |
|  | P |  | 4.2 | 25 |  |  |  |
| \* Acanthocolpidae gen. sp.  | IN |  | 3.9 ± 3.7 | 20.7 ± 16.4 |  |  |  |
|  | P |  | 15.5 | 37.5 |  |  |  |
| \* Hemiuridae gen. sp.  | IN |  |  |  |  |  | 4 ± |
|  | P |  |  |  |  |  | 7.1 |
| *Lecithaster cf. macrocotyle* | IN |  |  |  |  |  | 6.3 ± 4.0 |
|   | P |   |   |   |   |   | 21.4 |