**Supplementary material** - List of taxa (mean density ± SE) for macrofauna associated with *Sabellaria wilsoni* reefs and surrounding beach in the Algodoal-Maiandeua Island (Pará - Brazil). \* indicate species previously recorded in Sabellariidae reefs; † indicate new species recordings for the Sabellariidae reef; ♦ indicate new species recordings for the Pará Coast; ● indicate specimen deposited at the Museum of Zoology of the São Paulo University. **Life style - Motility**: S= completely sessile; D= discretely motile, is able to move, but movement is not necessary for feeding; M= motile: moves actively and movement is required for feeding. **Feeding mode**: De: deposit feeder (ingests sediment); Dt= detritus feeder (ingests particular matter only, without sediment); Su= suspension/filter feeder (strains particles from the water); Pr= Predator (eats live animals only); Sr= scavenger (carrion); Ec= ectoparasite (suctorial parasite); Gr=grazer (feeds by scraping, either on algae or sessile animals); On=omnivorous.

|  |  |  |  |
| --- | --- | --- | --- |
|  TAXA | REEF | BEACH | LIFE STYLE |
| **EXPOSED** | **PROTECTED** | **LOWER** | **UPPER** |
| Turbellaria  | 253.2±58.6 |  |  |  | M/Pr |
| Cnidaria |  |  |  |  |  |
| *Bunodosoma cangicum* ♦† | 395.6±196.4 | 838.6±254.2 |  |  | S/P |
| Actiniaria sp.  |  | 221.5±123.7 |  |  | S |
| Mollusca |  |  |  |  |  |
| Gastropoda |  |  |  |  |  |
| *Anachis isabellei* †  | 174.1±67.4 | 332.3±217.9 |  |  | M/Pr |
| *Anachis* *obesa* *●*†  | 696.2±226.9 | 110.8±60.7 |  |  | M/Pr |
| *Chrysallida bushiana* ♦†  | 443±198.7 | 300.6±133.1 |  |  | D/Ec |
| *Epitonium albidum* *●*† | 205.7±79.1 | 63.3±33.8 |  |  | D/Ec |
| *Eulimastoma didymum* ♦† |  | 15.8±15.8 |  |  | D/Ec |
| *Leucozonia* sp. † | 680.4±194.2 | 94.9±62.2 |  |  | M/Pr |
| *Littoraria angulifera* † | 15.8±15.8 |  |  |  | M/Gr |
| *Miralda robertisoni* † | 15.8±15.8 | 15.8±15.8 |  |  | D/Ec |
| *Nerita tessellata ♦*†  |  | 15.8±15.8 |  |  | M/Gr |
| *Olivella minuta* † | 15.8±15.8 |  |  |  | M/Pr |
| *Phrontis vibex* † | 15.8±15.8 |  |  |  | M/On |
| *Solariorbis schumoi* ♦†  | 63.3±33.8 | 31.6±20.7 |  |  | D/Dt |
| *Thaisella coronata ●*† | 47.5±47.5 | 79.1±79.1 |  |  | M/Pr |
| *Triphora* sp*.* | 31.6±31.6 | 15.8±15.8 |  |  | M |
| *Turbonilla multicostata* ♦† |  | 31.6±31.6 |  |  | D/Ec |
| Bivalvia |  |  |  |  |  |
| *Crassostrea gasar*† | 1645.6±598.5 | 743.7±392.7 |  |  | S/Su |
| *Petricolaria serrata ●*†  | 33259.5±7316.1 | 23196.2±8382.5 |  |  | D/Su |
| *Donax striatus* † |  |  |  | 15.8±15,8 | D/Su |
| *Hiatella* *arctica\**  | 19493.7±4872.8 | 5680.4±2037.6 |  |  | D/Su |
| *Iphigenia brasiliensis* †  |  |  |  |  | D/Su |
| *Austromacoma constricta* † | 63.3±47.8 | 15.8±15.8 |  |  | D/Su |
| *Cyrtopleura costata* \*† | 1044.3±372.7 | 63.3±47.8 |  |  | D/Su |
| *Mytella charruana* † |  |  |  |  | S/Su |
| *Sphenia fragilis* \**●* | 2452.5±940 | 664.6±357.8 |  |  | S/Su |
| *Leukoma pectorina* †  | 158.2±82 | 15.8±15.8 |  |  | D/Su |
| *Modiolus americanus* \* | 31.6±31.6 | 63.3±63.3 |  |  | S/Su |
| *Tellina iheringi* † | 15.8±15.8 |  |  |  | D/Su |
| Annelida |  |  |  |  |  |
| *Sabellaria wilsoni*  | 8076.0±1101.3 | 981.0±584.4 |  |  | D/Su |
| *Aricidea* sp. |  |  |  | 15.8±15.8 | M/Dt |
| *Alitta succinea\**  | 569.6±197.3 |  |  |  | M/On |
| *Armandia* sp.†  | 15.8±15.8 |  | 253.2±82.9 | 110.8±44.4 | M/De |
| *Boccardiella* sp.†  | 822.8±300.7 | 142.4±108.1 |  |  | D/Dt |
| *Bonuania* sp.† | 1313.3±663.3 |  |  |  | M/Pr |
| *Capitella capitata \** | 6471.5±4974.9 | 917.7±344 |  |  | M/De |
| *Caulleriella*sp. ♦†.  | 31.6±20.7 | 15.8±15.8 |  |  | D/Dt |
| *Eulalia viridis\**  | 1519±629.3 | 221.5±78.4 |  |  | M/Pr |
| *Glycinde* sp. |  |  |  | 15.8±15.8 | M/Pr-Dt |
| *Isolda pulchella* †  | 63.3±47.8 |  |  |  | D/Su |
| *Leodamas* sp.† | 506.3±143.5 | 47.5±33.3 |  |  | M/Dt-On |
| *Lepidonotus* sp. ♦  | 363.9±90.9 | 15.8±15.8 |  |  | M/Pr |
| *Lumbrineriopsis* sp.  | 79.1±53.2 |  |  |  | M/Pr-De |
| *Marphysa sanguinea \**  | 47.5±23.2 |  |  |  | M/On |
| *Mediomastus* sp.  | 3022.2±511.6 | 1091.8±408 |  |  | M/De |
| *Nephtys simoni*  |  |  | 47.5±23.2 | 79.1±41 | M/Pr |
| *Nereis oligohalina* † | 8876.6±1418.6 | 1882.9±1185.1 |  |  | M/On |
| *Nereis pseudomoniliformis ♦†*  | 63.3±23.9 |  |  |  | M/On |
| *Nicolea* sp.♦  | 2753.2±1080.4 | 316.5±316.5 |  |  | D/Dt |
| *Nicon* sp.♦†  | 15.8±15.8 | 31.6±31.6 |  |  | M/O |
| *Orbinia* sp.  |  |  | 363.9±148.3 | 174.1±106.8 | M/De |
| *Paradoneis* sp.♦†  | 79.1±47.5 |  |  |  | M/Dt |
| *Schistomeringos* sp.♦†  | 1250±487 | 253.2±156.9 |  |  | M/Pr |
| *Sigambra grubii* † | 205.7±95.5 |  |  |  | M/Dt |
| *Streblosoma* sp.♦† | 269±150.2 |  |  |  | D/Dt |
| *Syllis garciai ♦*† | 7848.1±2973.8 | 3512.7±1444.6 |  |  | M/Pr |
| *Trochochaeta* sp♦†.  | 15.8±15.8 |  |  |  | D/De |
| Flabelligeridae ♦† | 15.8±15.8 |  |  |  | M/Pr |
| Tubificinae | 158.2±78.4 | 363.9±118.3 |  |  | M/Dt |
| Crustacea |  |  |  |  |  |
| *Caprella* sp.♦† (Amphipoda) | 110.8±50.4 |  |  |  | M/Gr |
| *Corophium* sp.♦ (Amphipoda) | 221.5±119 | 47.5±33.3 |  |  | D/Dt |
| *Elasmopus rapax* \*♦(Amphipoda) | 2436.7±1171.4 | 1503.2±1010.2 |  |  | M/Dt |
| *Parhyale* sp. *♦*† (Amphipoda) | 174.1±79.1 | 15.8±15.8 |  |  | M/Gr |
| *Quadrimaera miranda ♦*† (Amphipoda) | 158.2±97.9 |  |  |  | M/Dt |
| Phoxocephalidae (Amphipoda) |  |  |  | 15.8±15.8 | D/ |
| *Sphaeromopsis mourei* † (Isopoda) | 63.3±23.9 | 617.1±222.4 |  |  | M/Sc-On |
| *Paradella dianae \*♦* (Isopoda) | 379.7±240.4 | 363.9±157.7 |  |  | M/Sc-On |
| Oniscidea sp. ♦† (Isopoda) | 174.1±156.8 | 126.6±109.6 |  |  | M/Sc-On |
| *Halmyrapseudes spaansi †●* (Tanaidacea) | 31.6±20.7 |  |  |  | D/Dt |
| *Lepidophthalmus siriboia* (Decapoda)† |  |  | 15.8±15.8 | 31.6±20.7 | D/Su |
| *Menippe nodifrons \*●* (Decapoda) | 15.8±15.8 | 63.3±41.4 |  |  | M/Pr |
| *Panopeus americanus* †*●* (Decapoda) | 15.8±15.8 | 63.3±41.4 |  |  | M/Pr-On |
| *Petrolisthes armatus \*●* (Decapoda) | 901.9±415.3 | 1993.7±926.7 |  |  | M/Su |
| *Porcellana sayana* †*●* (Decapoda) |  | 31.6±20.7 |  |  | M/Su |
| *Pinnixa sayana* (Decapoda) |  |  |  | 15.8±15.8 | D/Su |
| *Clibanarius vittatus* † (Decapoda) | 15.8±15.8 | 31.6±20.7 |  |  | M/Sr-On |
| *Upogebia acanthura* † (Decapoda) | 31.6±31.6 |  |  |  | D/Su |
| Cumacea sp. (Crustacea) | 15.8±15.8 |  |  |  | M/Su |
| Others |  |  |  |  |  |
| Nemertea | 348.1±294.7 | 253.2±98.6 |  | 15.8±15.8 | M/Pr |
| Sipuncula | 727.8±296.6 | 79.1±47.5 |  |  | M/De/Dt |
| Chironominae (Hexapoda) | 63.3±47.8 |  |  |  | D/On |
| Collembola (Hexapoda) |  | 15.8±15.8 |  |  | M/On |
| Coleoptera (Hexapoda) |  | 15.8±15.8 |  |  | M/Pr |
| Pycnogonida (Chelicerata) | 522.2±504.3 |  |  |  | M/Pr |
| Acari (Chelicerata) | 15.8±15.8 |  |  |  | M/ |
| *Jellyella tuberculata* (Briozoa) ♦† | Colony | Colony |  |  | S/Su |
| *Membranipora* sp. (Briozoa) ♦† | Colony | Colony |   |   | S/Su |
| *Alcyonidium* sp. (Briozoa) ♦† | Colony | Colony |  |  | S/Su |