Table 1: Summary of sponge species microbial abundance (Low [LMA] or High [HMA]), sample sizes (N), and mean (±SE) isotope (δ13C and δ15N) and chlorophyll *a* (chl *a* in g AFDW of sponge tissue -1) values. Also included are the sample sizes (N) and mean (±SE) δ13C and δ15N values for particulate organic matter (POM). \*Represents data (in g AFDW of sponge tissue -1) from Freeman et al. (2014); \*\*represents data (in g of sponge tissue -1) from Figure 2 in Erwin and Thacker (2007); N/A signifies that data were unavailable.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | LMA/HMA | N=  GRNMS/  Honduras\* | δ13C GRNMS | δ15N  GRNMS | δ13C Honduras\* | δ15N  Honduras\* | Chl *a* GRNMS | Chl *a*  Honduras\* | Chl *a*  Bocas del Toro, Panama\*\* |
| *Aiolochroia crassa* | HMA | 6\6 | -20.4±0.03 | 5.6±0.5 | -17.6±0.06 | 3.1±0.1 | 15.8±0.9 | 1.4±0.3 | ~15 |
| *Aplysina fulva* | HMA | 16\23 | -20.8±0.04 | 6.1±0.1 | -19.8±0.1 | 2.3±0.1 | 91.5±11.8 | 295.2±23.2 | ~215 |
| *Chondrilla caribensis* | HMA | 14\5 | -20.5±0.1 | 7.5±0.1 | -18.0±0.2 | 2.3±0.3 | 79.9±11.0 | 207.7±35.3 | ~155 |
| *Cinachyrella alloclada* | LMA | 5\N/A | -21.0±0.1 | 9.1±0.1 | N/A | N/A | 69.9±5.9 | N/A | ~25 |
| *Desmapsamma anchorata* | LMA | 6\4 | -21.7±0.1 | 9.1±0.1 | -17.5±0.2 | 4.1±0.1 | 99.5±6.7 | 54.6±4.2 | N/A |
| *Dysidea fragilis* | LMA | 6\N/A | -22.4±0.2 | 7.5±0.1 | N/A | N/A | 87.4±11.9 | N/A | N/A |
| *Ircinia campana* | HMA | 11\17 | -20.1±0.1 | 3.5±0.2 | -17.7±0.09 | 1.4±0.2 | 123.0±12.5 | 618.3±53.9 | ~200 |
| *Ircinia felix* | HMA | 13\N/A | -19.6±0.1 | 4.7±0.1 | N/A | N/A | 133.2±20.9 | 459.8±109.0 | ~225 |
| *Scopalina ruetzleri* | LMA | 7\N/A | -22.6±0.1 | 7.7±0.04 | N/A | N/A | 279.1±28.7 | N/A | ~40 |
| Particulate organic matter (POM) | N/A | 6\6 | -24.6±0.7 | 4.3±0.1 | -22.7±0.5 | 3.7±0.6 | N/A | N/A | N/A |