

The following supplement accompanies the article

**Evidence for inter- and intraspecific trophic niche separation
among deepwater elasmobranchs on the southern
Great Barrier Reef, Australia**

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Table S1. Results of post-hoc comparisons of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values between elasmobranch species based on a one-way ANOVA and Tukeys post-hoc tests. Significant contrasts ($p < 0.05$) are denoted by an asterisk.

| Isotope | Contrast | P-value |
|---|---|---|
| $\delta^{15}\text{N}$ | <i>D. polyommata</i> x <i>A. pallidus</i> | <0.001* |
| | <i>M. walker</i> x <i>A. pallidus</i> | 0.95 |
| | <i>S. megalops</i> x <i>A. pallidus</i> | 0.57 |
| | <i>M. walker</i> x <i>D. polyommata</i> | <0.001* |
| | <i>S. megalops</i> x <i>D. polyommata</i> | <0.001* |
| | <i>S. megalops</i> x <i>M. walkeri</i> | 0.02* |
| | $\delta^{13}\text{C}$ | <i>D. polyommata</i> x <i>A. pallidus</i> |
| <i>M. walker</i> x <i>A. pallidus</i> | | 0.87 |
| <i>S. megalops</i> x <i>A. pallidus</i> | | 0.06 |
| <i>M. walker</i> x <i>D. polyommata</i> | | <0.001* |
| <i>S. megalops</i> x <i>D. polyommata</i> | | <0.001* |
| <i>S. megalops</i> x <i>M. walker</i> | | 0.38 |

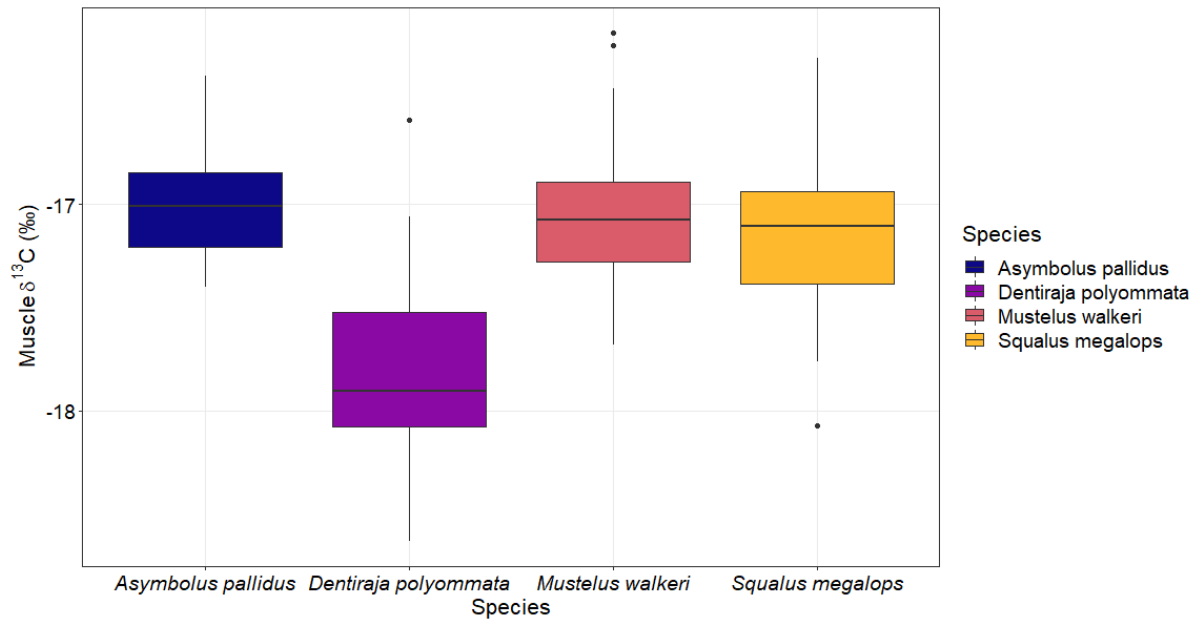


Fig. S1. Box and whiskers plot of $\delta^{13}\text{C}$ values for each elasmobranch species. The box defines the first and third quartile (likely range of variation), lines (whiskers) are the maximum and minimum range of variation, points are outliers. The middle band is the median stable isotope value.

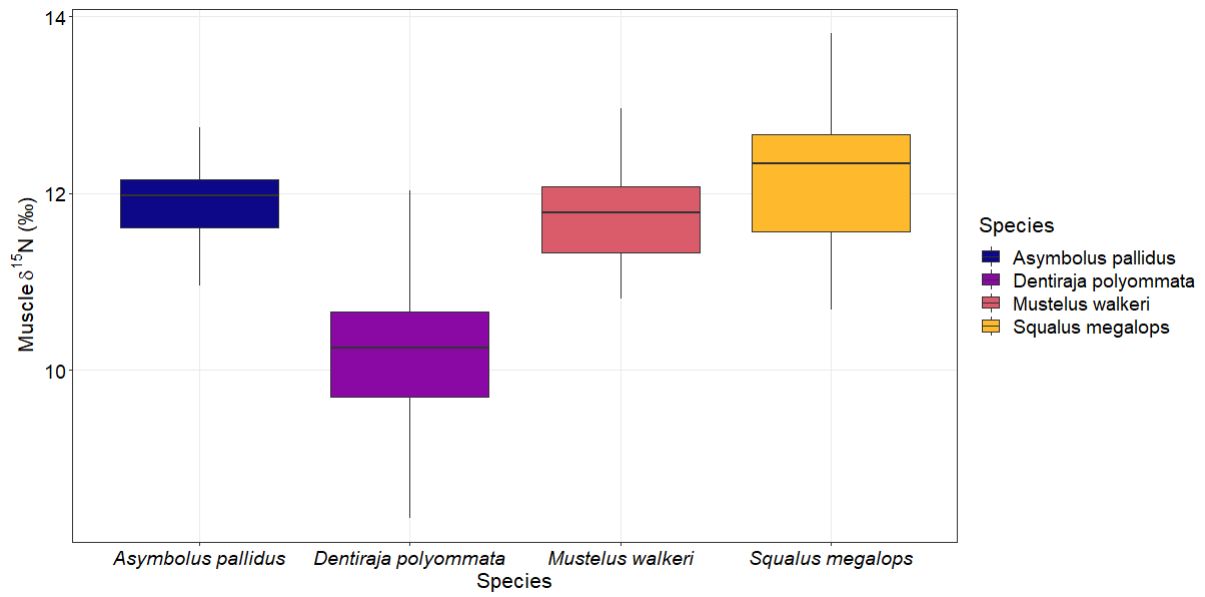


Fig. S2. Box and whiskers plot of $\delta^{15}\text{N}$ values for each elasmobranch species. The box defines the first and third quartile (likely range of variation), lines (whiskers) are the maximum and minimum range of variation, points are outliers. The middle band is the median stable isotope value.