**Trophic ecology, habitat, and migratory behaviour of the viperfish *Chauliodus sloani* reveal a key mesopelagic player**

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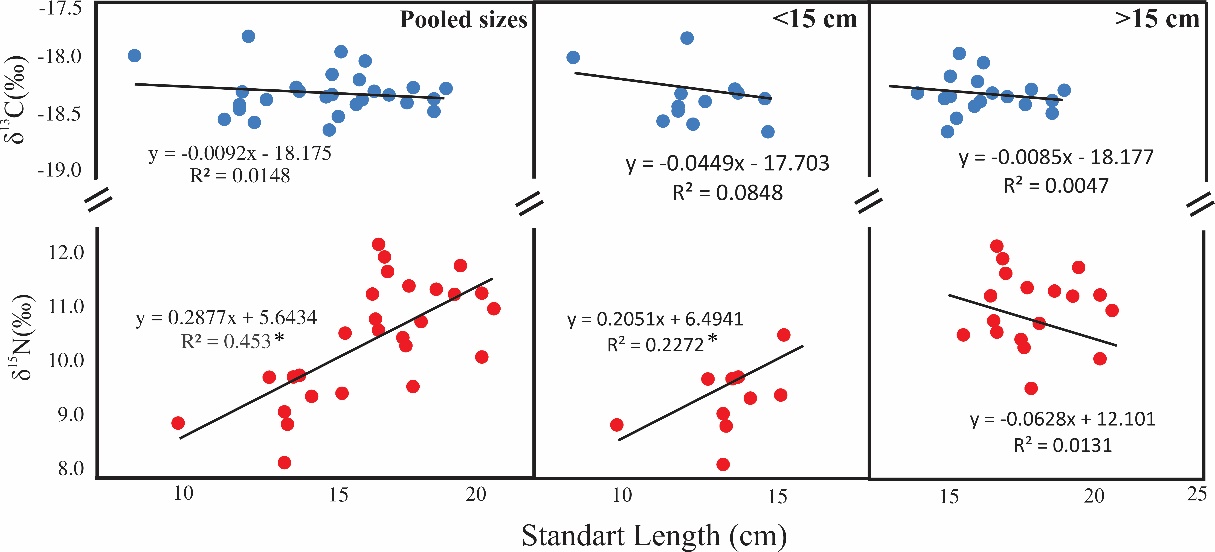
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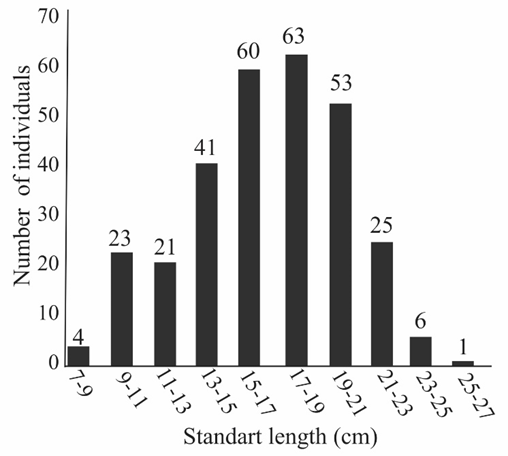
**SUPPLEMENTARY MATERIAL**

Supplementary Material 1 – Number of trawls per depth strata and period of the day.

|  |  |  |
| --- | --- | --- |
| Depth Strata | Day | Night |
|  |  |  |
| 10-100 | 3 | 3 |
| 100-200 | 3 | 1 |
| 200-300 | 3 | - |
| 300-400 | 1 | 1 |
| 400-500 | 3 | 1 |
| 500-600 | 1 | 1 |
| 600-700 | 1 | 1 |
| 700-800 | 2 | - |
| 800-900 | 1 | 1 |
| 900-1000 | 2 | 2 |



Supplementary Material 2 – Results of least-squares regression analysis between standard length (cm) and δ15N and δ13C values of the viperfish *Chauliodus sloani.\** relationships presenting significant statistical differences (p <0.05).



Supplementary Material 3– Histogram of the number of individuals per length. Numbers above bars represent the number of individuals in each size class.