# Supplementary data

**Otolith morphogenesis during the early life stages of fish is temperature-dependant: validation by experimental approach applied to European Seabass (*Dicentrarchus labrax*)**

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Supplementary Information Table 1: Fish number sampled by GDD values and days number at 16°C and 21°C. Total length characteristics (mean ± SD) are given for each sample.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **N** | **TL (mm)** | **GDD (°C.day)** | **Nb Days at 16°C** | **Nb Days at 21°C** |
|
| 130 | 14.92±1.37 | 688 | 43 | - |
| 156 | 18.66±2.34 | 1152 | 72 | - |
| 160 | 22.47±3.45 | 1376 | 86 | - |
| 72 | 22.35±5.39 | 1600 | 100 | - |
| 96 | 81.31±6.39 | 3712 | 232 | 0 |
| 36 | 88.04±5.88 | 3817 | 211 | 21 |
| 170 | 97.47±7.81 | 3962 | 182 | 50 |
| 148 | 111.15±7.66 | 4107 | 153 | 79 |

Supplementary Information Table 2: Size dimension parameters and shape indices of otolith used to describe seabass otolith outline.



Supplementary Information Table 3: Average percentage of non-overlapping surface by degree.day between the two reconstructed otolith shapes at the different levels of GDD.

