**Supplementary Material**

**Age and growth of larval Pacific flagfin mojarra (*Eucinostomus currani*) in coastal Ecuador based on otolith analysis**

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**Supplemental Table S1.** Average values and standard deviation of the physical-chemical parameters registered for each locality during 2016–2017.

|  |  |
| --- | --- |
| Environmental Variables | Sampling Location |
| Data | Playas | Chipipe |
| Water Temperature (°C) | 26.69 (±1.9) | 26.87 (±1.7) | 25.4 (±2.1) |
| pHConductivity (ms/cm)Dissolved oxygen (mg/l)Dissolved oxygen (% sat)TDS (mg/l)Salinity (PSS)NitritesPhosphatesAmmonium | 8.04 (±0.5)46.93 (±6.4)6.08 (±1.8)89.74 (±23.9)22.89 (±3.8)30.96(±4.6)0.02 (± 0.01)0.03 (±0.02)0.02 (±0.01) | 8.17 (±0.2)49.33 (±3.6)7.25 (±3.1)105.38 (±39.8)23.50 (±2.3)31.61 (±3.2)0.010.06 (±0.1)0.05 (±0.04) | 8.21 (±0.5)51.72 (±2.3)7.41 (±2.4)107.82 (±31.3)25.10 (±2.1)34.61 (±1.8)0.02 (±0.01)0.03 (±0.02)0.04 (±0.04) |

**Supplementary Figure S1.** Photograph of Pacific flagfin mojarra (*Eucinostomus currani*, 13.6 mm standard length [SL]) and its lapilli otolith. The specimen was collected during the study period in a sandy beach surf zone of the Gulf of Guayaquil, Ecuador.

