Infaunal Anthozoa of the SCB Part II
Big John's Legacy

SCB Anthozoa Taxonomic List
Actiniaria

Order Actiniaria
- Family Edwardsiidae
  - *Nematostella vectensis*
  - *Edwardsia californica*
  - *Edwardsia handi*
  - *Edwardsia juliae*
  - *Edwardsia olguini*
  - *Edwardsia profunda*
  - *Scolanthus scamiti*
  - *Scolanthus triangulus*
- Family Halcampoididae
  - *Pentactinia californica*
- Family Limnactiniidae
  - Limnactiniidae sp A
- Family Haloclavidae
  - *Anemonactis* sp A
  - *Harenactis attenuata*
  - *Peachia quinquecapitata*
- Family Halcampidae
  - *Cactosoma arenaria*
  - *Halcampa decemtentaculata*
  - *Halianthella* sp A
- Family Actiniidae
  - *Anthopleura* sp
  - *Epiactis prolifera*
  - *Urticina* sp A
- Family Isanthidae
  - *Zaolutus actius*

SCB Anthozoa Taxonomic List (2)
Actiniaria, Corallimorpharia & Zoanthidea

Family Isopheliidae
- *Flosmaris grandis*

Family Hormathidae
- *Stephanauge* sp

Family Sagartiidae
- *Sagartia catalensis*

Family Metridiidae
- *Metridium* sp

Family uncertain
- Acontifera sp A
- Anemone #49

Order Corallimorpharia

Family Corallimorphidae
- *Corynactis californica*

Order Zoanthidea
- Zoanthidea sp A
- Zoanthidea sp B

Unidentifed & Provisional

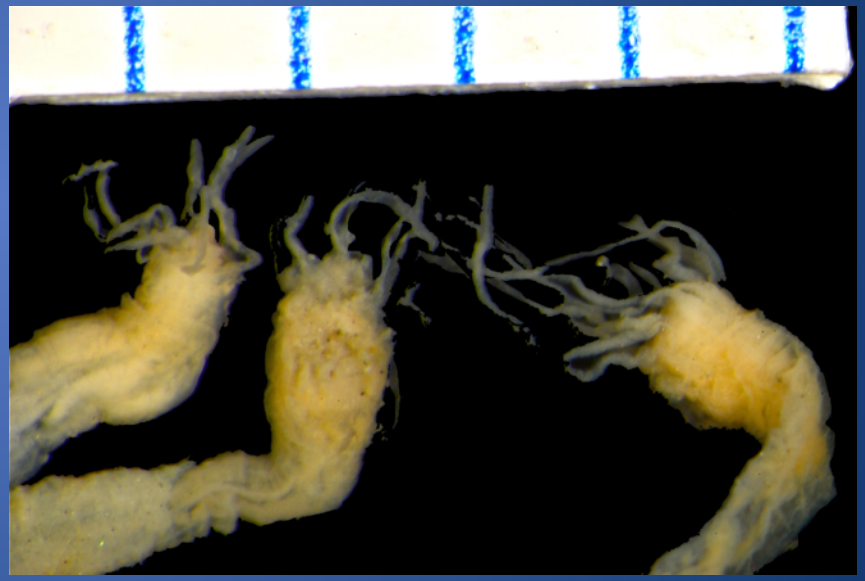
Family Edwardsiidae

- 1. Elongate, vermiform body
- 2. Body divided into 2 or 3 regions
  - a. capitulum
  - b. scapus with periderm (cuticle)
  - c. short scapulus that lacks periderm
  - d. aboral end rounded, may be differentiated into physa
- 3. With or without nemathybones
- 4. 12, 16 - 24 tentacles
- 5. 8 primary mesentaries

Family Edwardsiidae

Nematostella vectensis

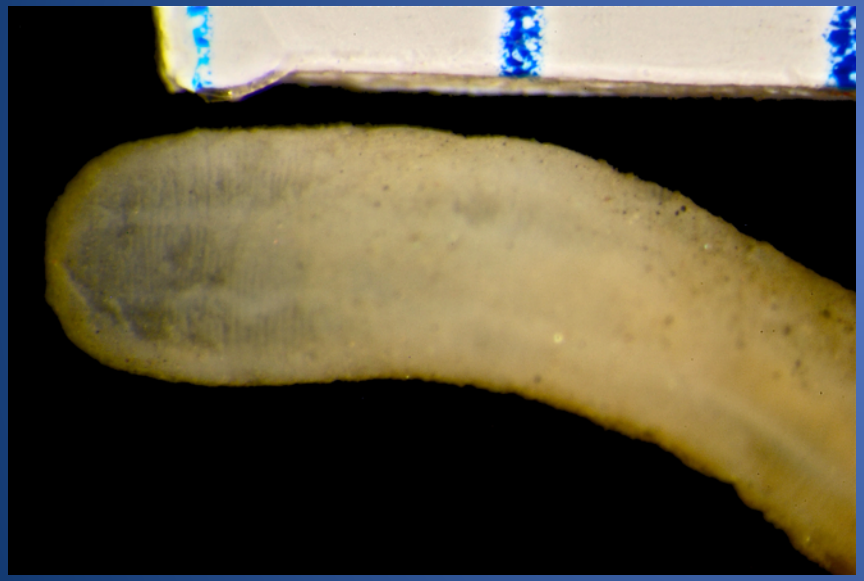
= *Drillactis sp* in SCAMIT Edition 8



Family Edwardsiidae

Nematostella vectensis

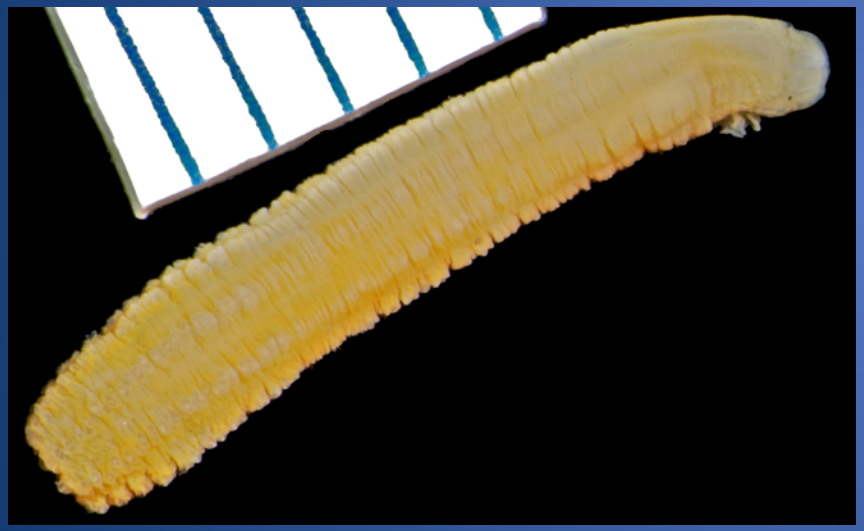
= *Drillactis* sp in SCAMIT Edition 8

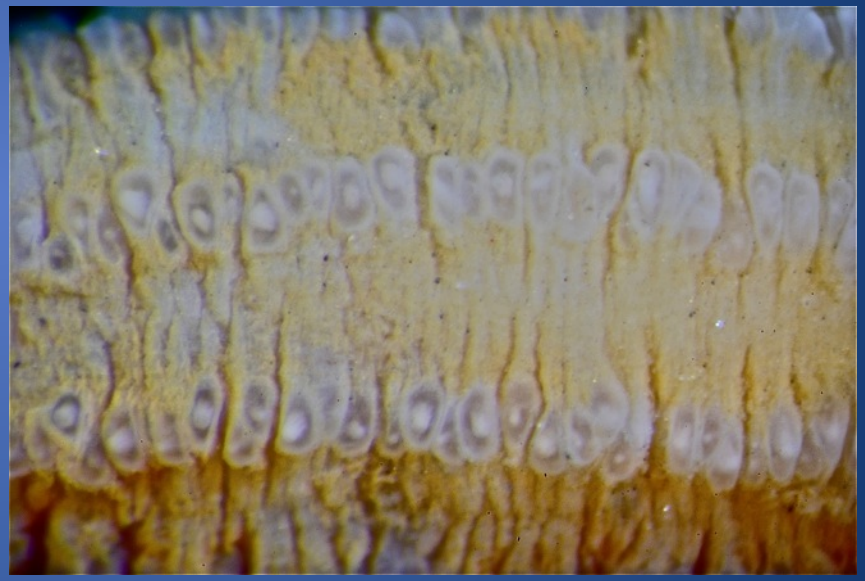


Edwardsiidae
Nematostella vectensis

Family Edwardsiidae
Edwardsia californica

Family Edwardsiidae
Edwardsia californica





Family Edwardsiidae
Edwardsia californica

Family Edwardsiidae
Edwardsia californica juvenile

Edwardsiidae
Edwardsia handi

Family Edwardsiidae
Edwardsia handi

Family Edwardsiidae

Edwardsia handi in SCAMIT Edition 8 (ID from LAH)

= *Edwardsia californica*

Family Edwardsiidae

Edwardsia handi in SCAMIT Edition 8 (ID from LAH)

= *Edwardsia californica*

Family Edwardsiidae

Edwardsia handi in SCAMIT Edition 8 (ID from LAH)

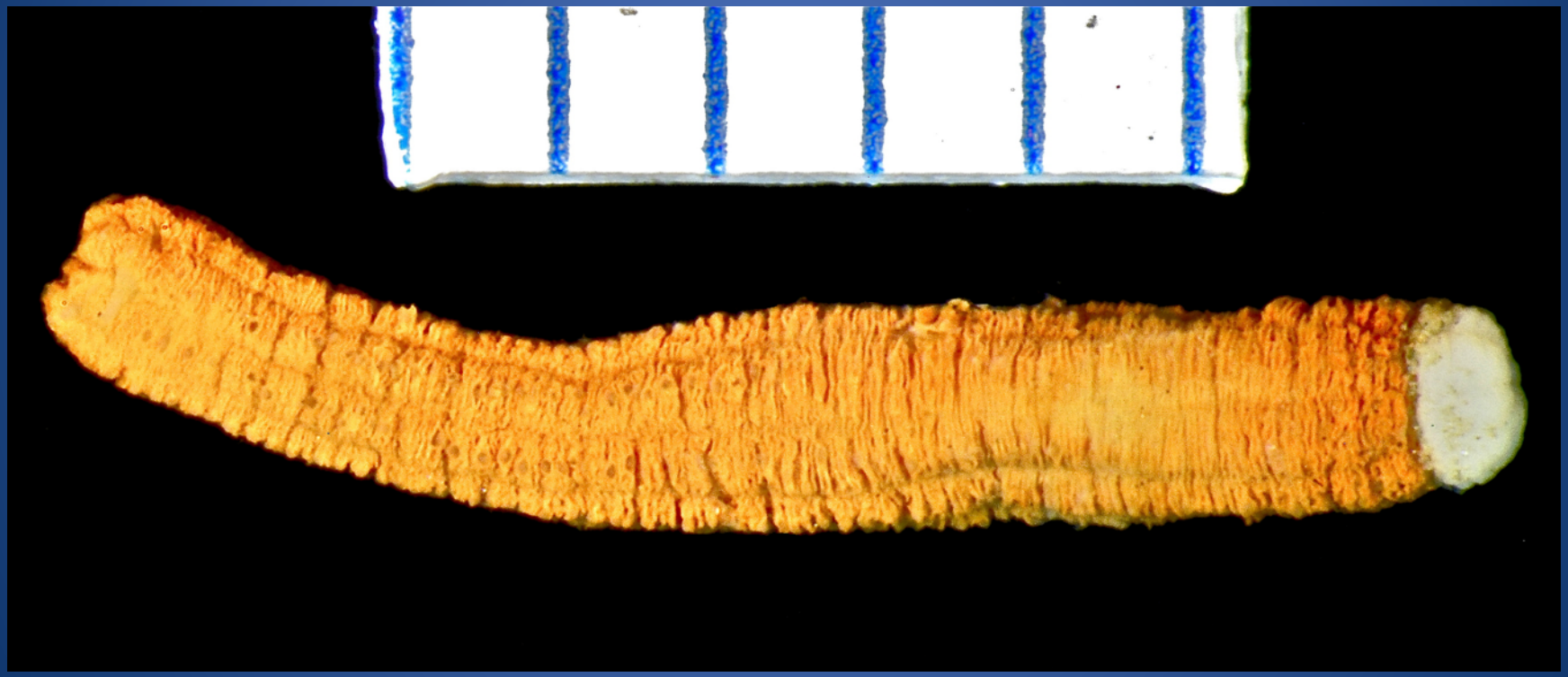
= *Edwardsia californica*

Family Edwardsiidae

Edwardsia handi in SCAMIT Edition 8 (ID from LAH)

= *Edwardsia californica*

Family Edwardsiidae
Edwardsia juliae



Family Edwardsiidae
Edwardsia juliae

Family Edwardsiidae
Edwardsia juliae

Family Edwardsiidae
Edwardsia juliae

Family Edwardsiidae
Edwardsia juliae juveniles

Family Edwardsiidae
Edwardsia olguini

Family Edwardsiidae
Edwardsia olguini

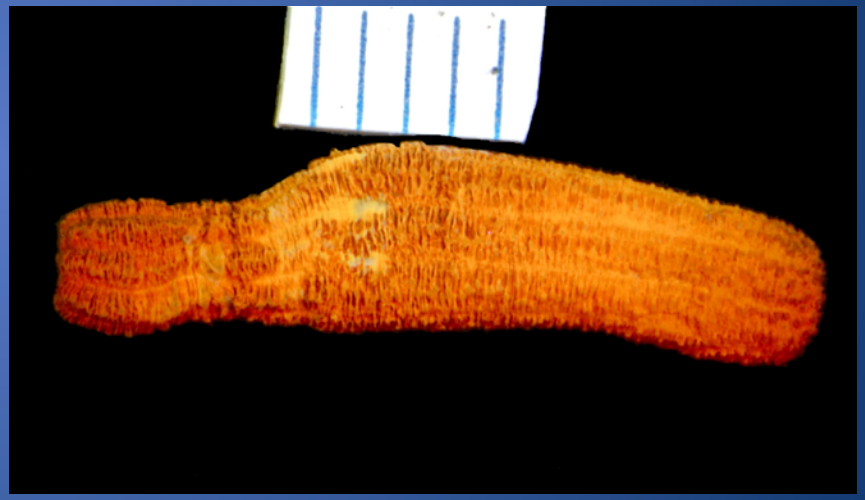
Family Edwardsiidae
Edwardsia olguini

Family Edwardsiidae
Edwardsia profunda

Family Edwardsiidae
Edwardsia profunda

Family Edwardsiidae
Edwardsia profunda

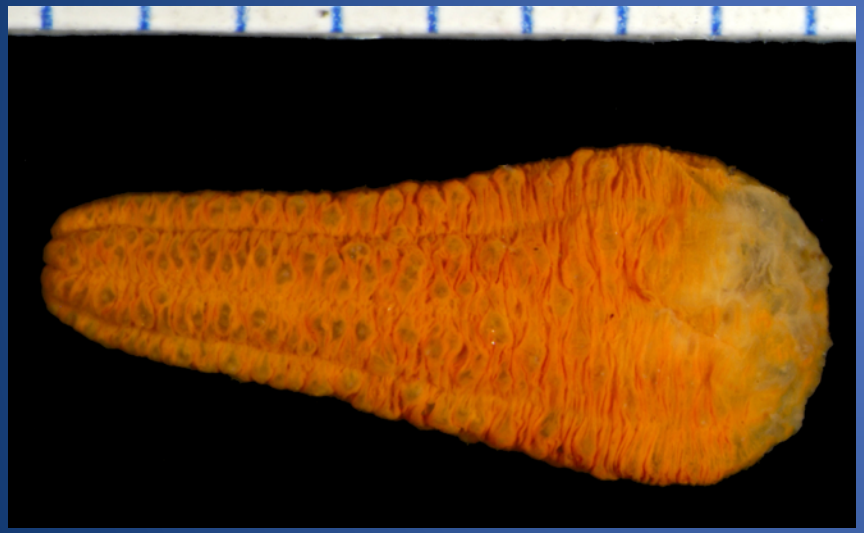
Family Edwardsiidae
Scolanthus scamiti



Family Edwardsiidae
Scolanthus scamiti

Family Edwardsiidae
Scolanthus scamiti

Family Edwardsiidae
Scolanthus triangularis



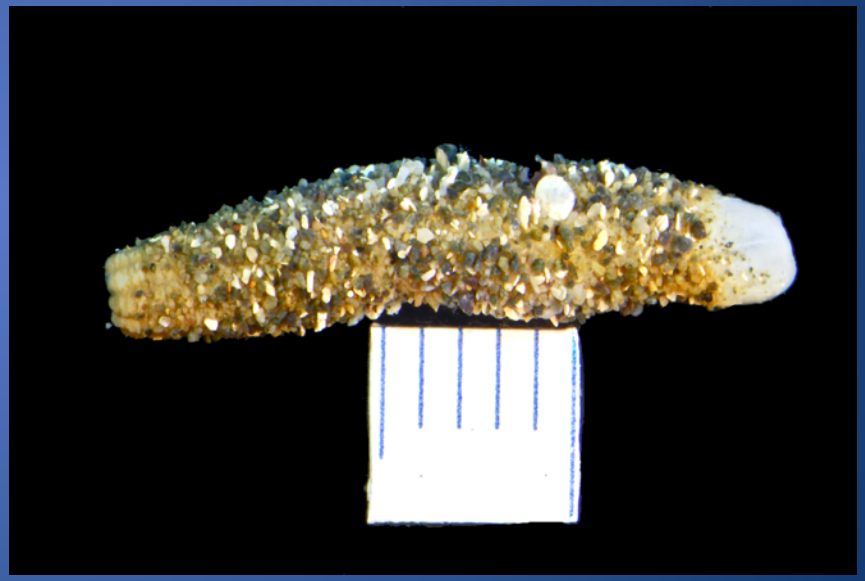
Family Edwardsiidae
Scolanthus triangulus

Family Edwardsiidae
Scolanthus triangulus

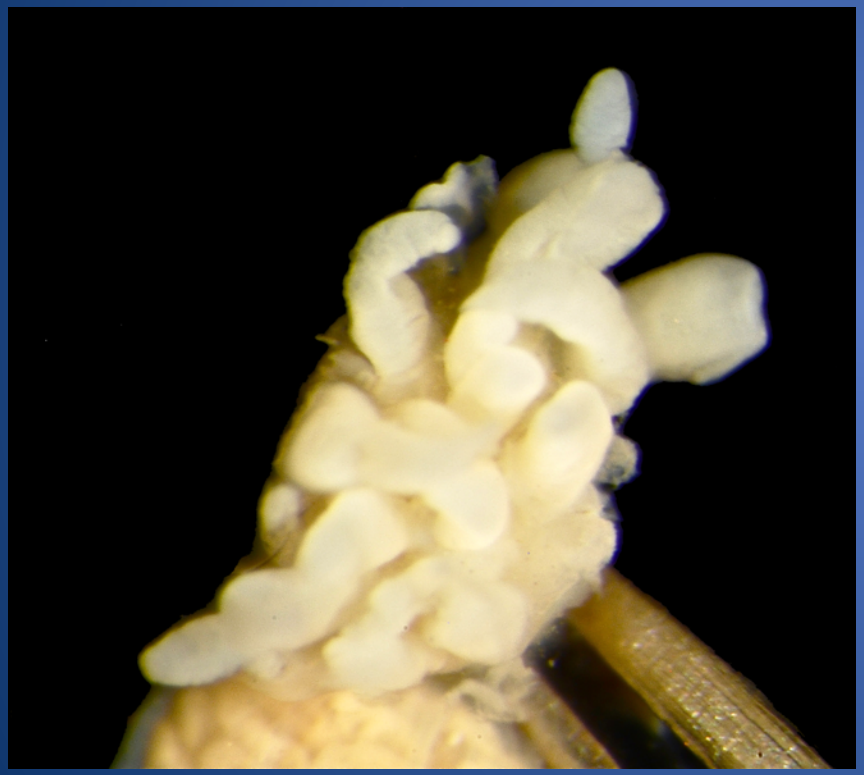
Family Halcampoididae

- 1. elongate, vermiform body
- 2. 5 pair perfect mesenteries
- 3. 20 tentacles, white (no internal pigmentation)
- 4. tenaculi with adherant sand grains

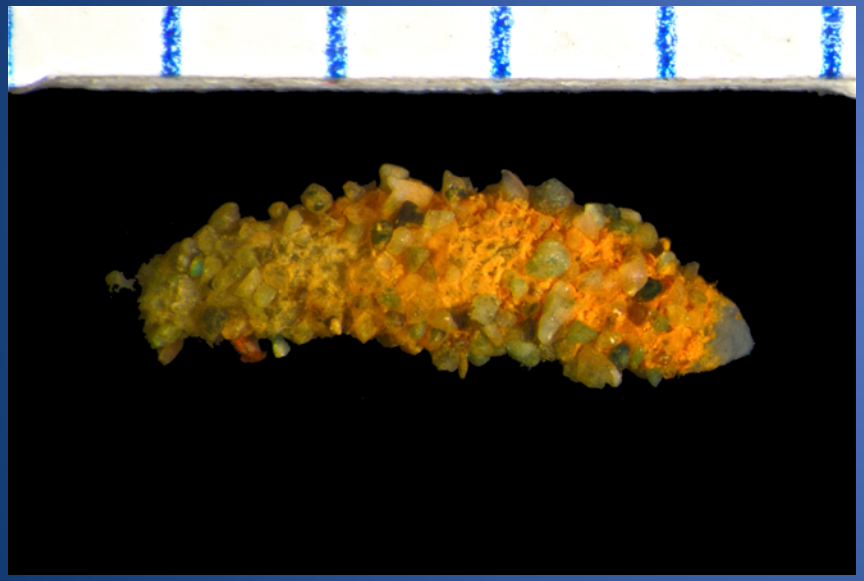
Family Halcampoididae
Pentactinia californica

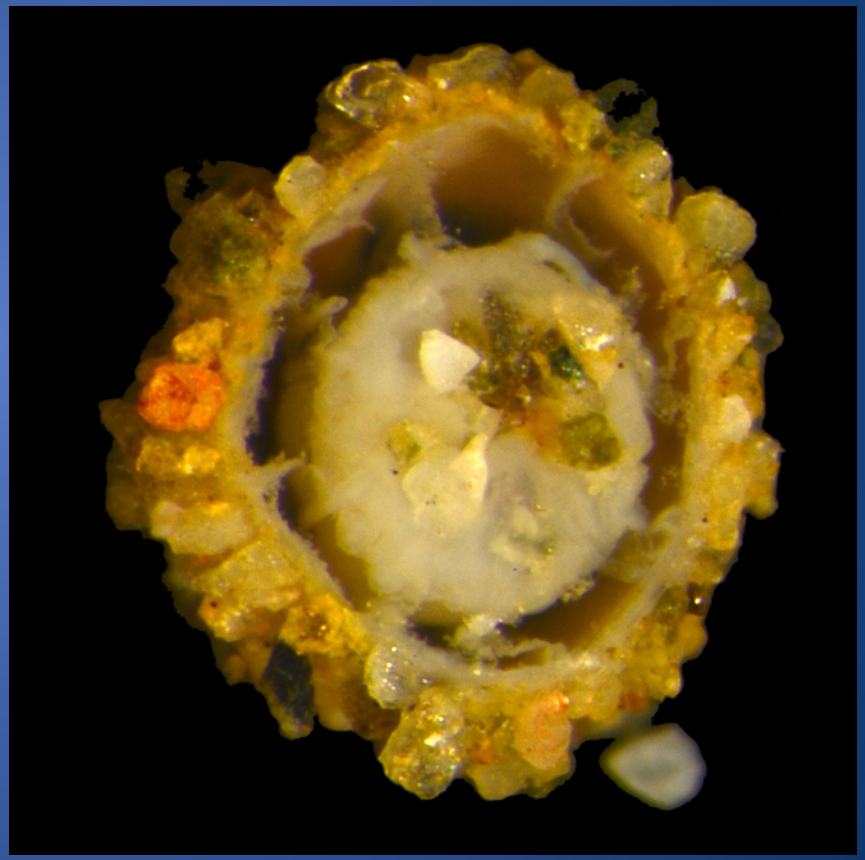


Family Halcampoididae
Pentactinia californica



Family Halcampoididae
Pentactinia californica juvenile



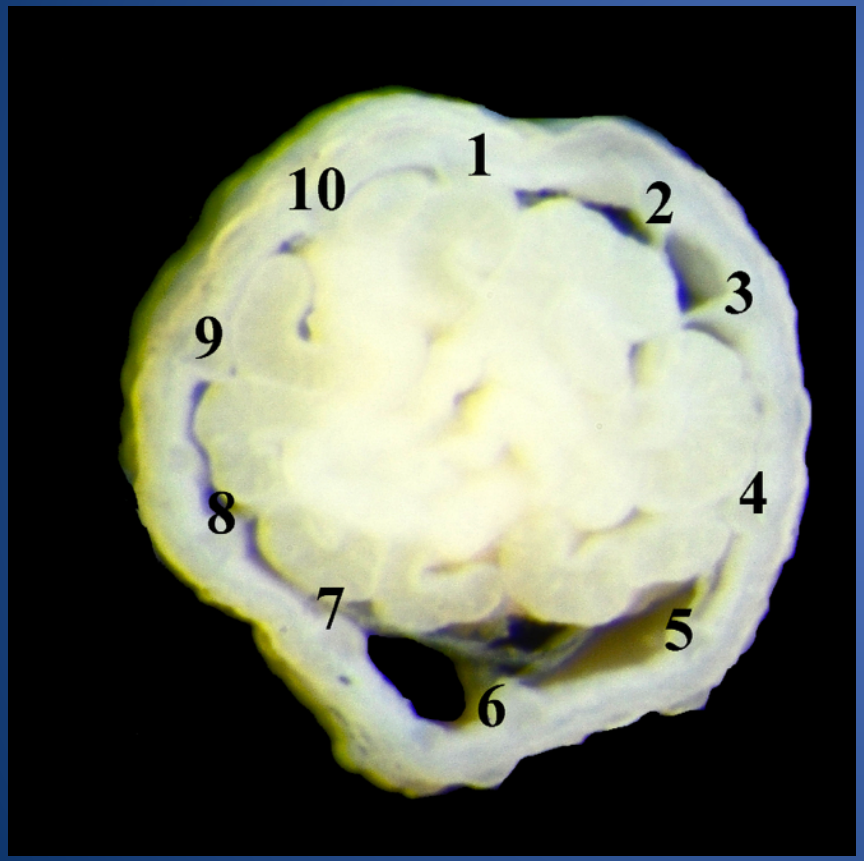


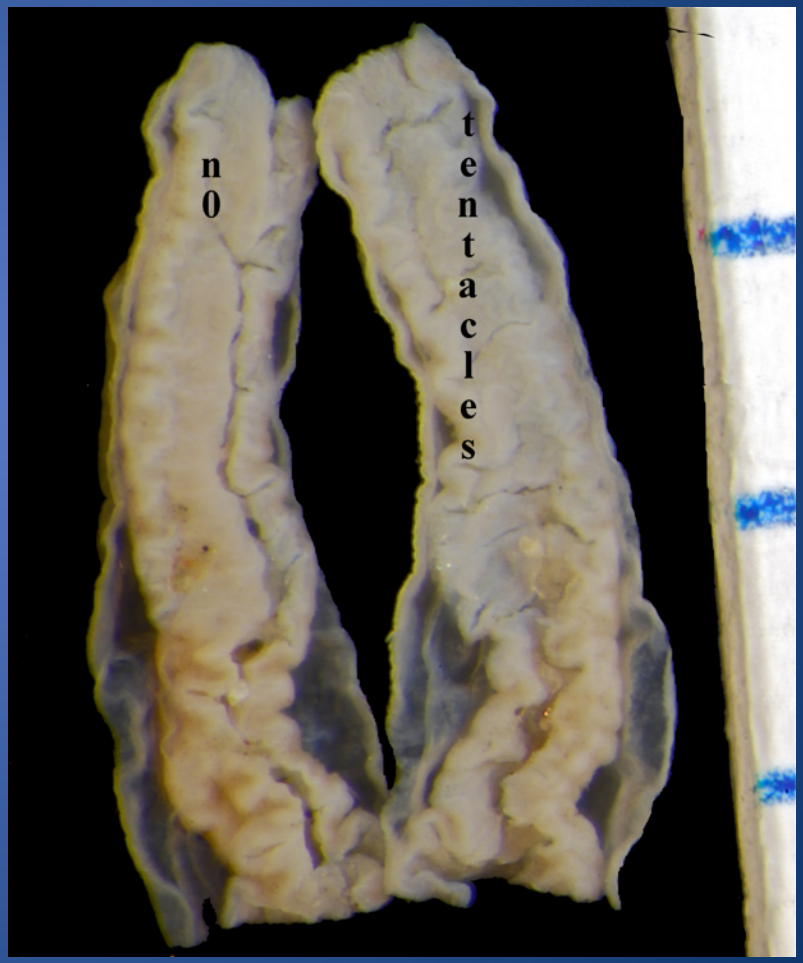
Family Limnactiniidae
Limnactiniidae sp A

- 1. Elongate, vermiform body
- 2. Tentacles and spincter lacking
- 3. 8 – 10 perfect mesenteries
- 4. Ectoderm of oral disc very thickened

Family Limnactiniidae
Limnactiniidae sp A

Family Limnactiniidae
Limnactiniidae sp A





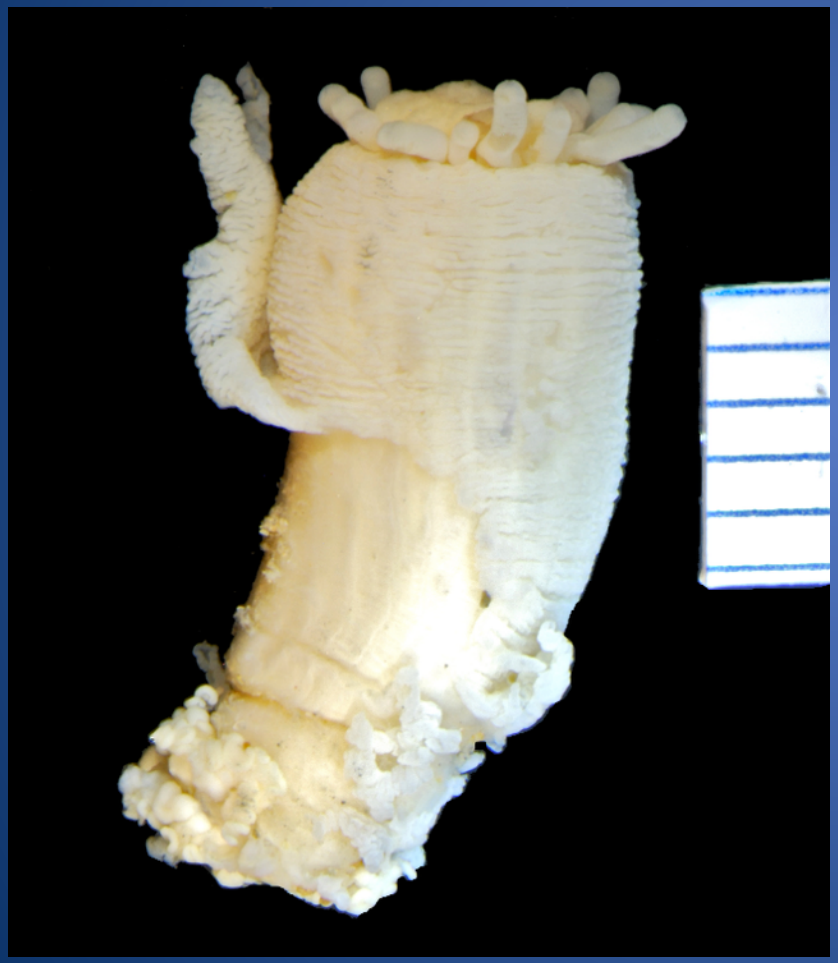
Family Haloclavidae
Anemonactis

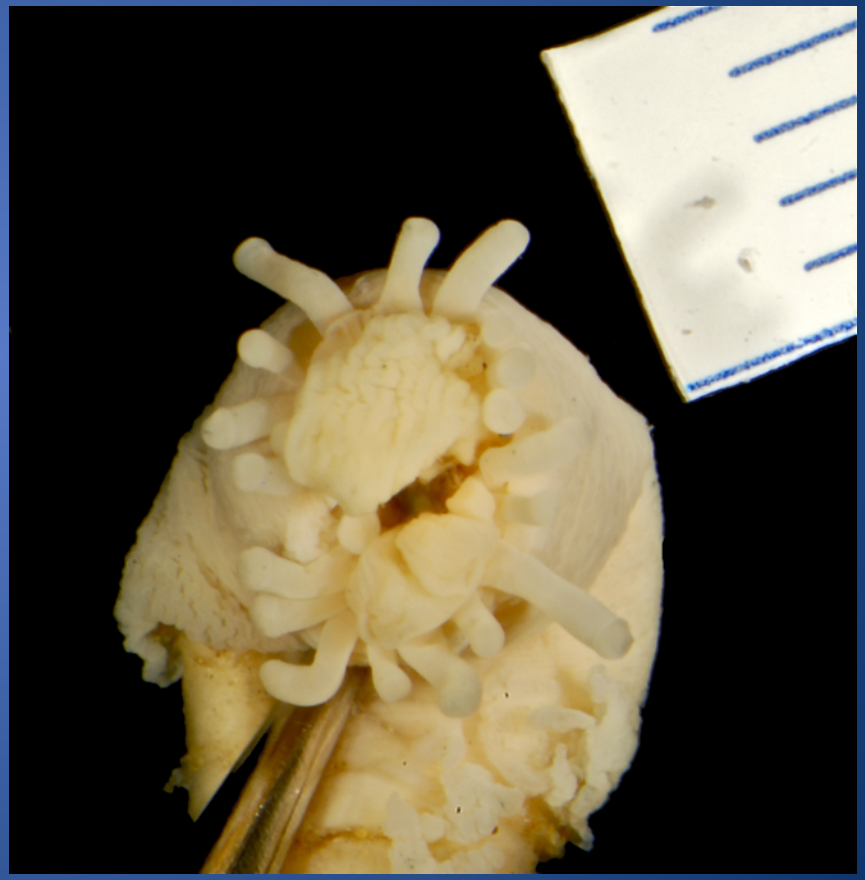
- 1. Elongate body with rounded aboral end
- 2. Column cylindrical with numerous papillae scattered over surface
- 3. Tentacles 20, forming acrospheres distally
- 4. Siphonoglyph without conchula
- 5. Mesenteries 6 primary pairs

Family Haloclavidae
Anemonactis sp A

Family Haloclavidae
Anemonactis sp A

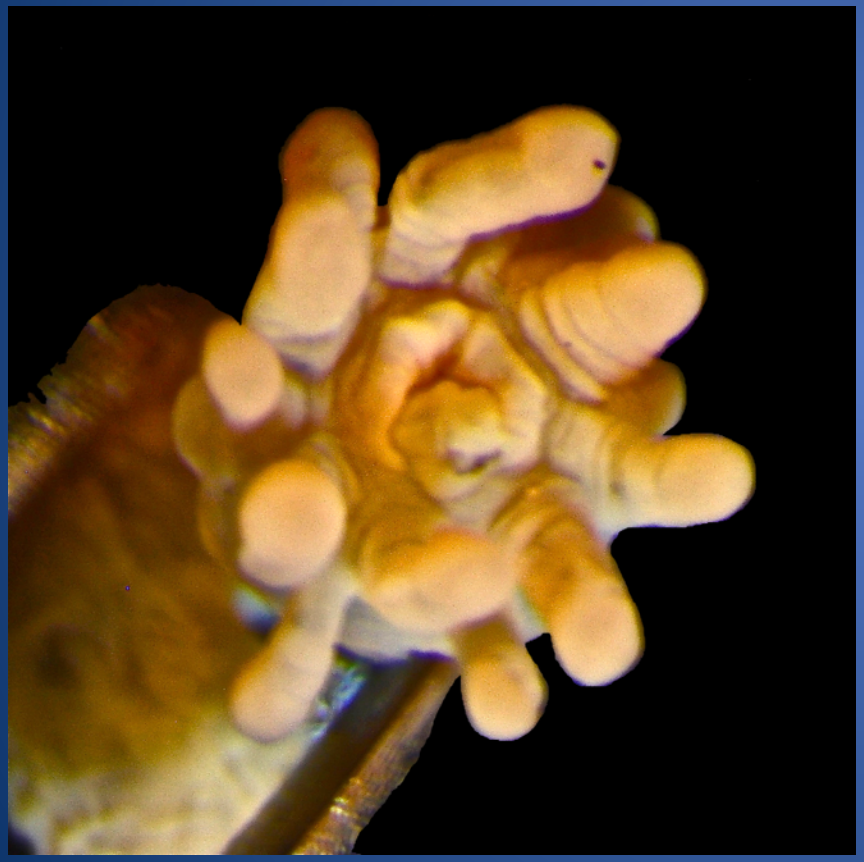
Family Haloclavidae
Anemonactis sp A



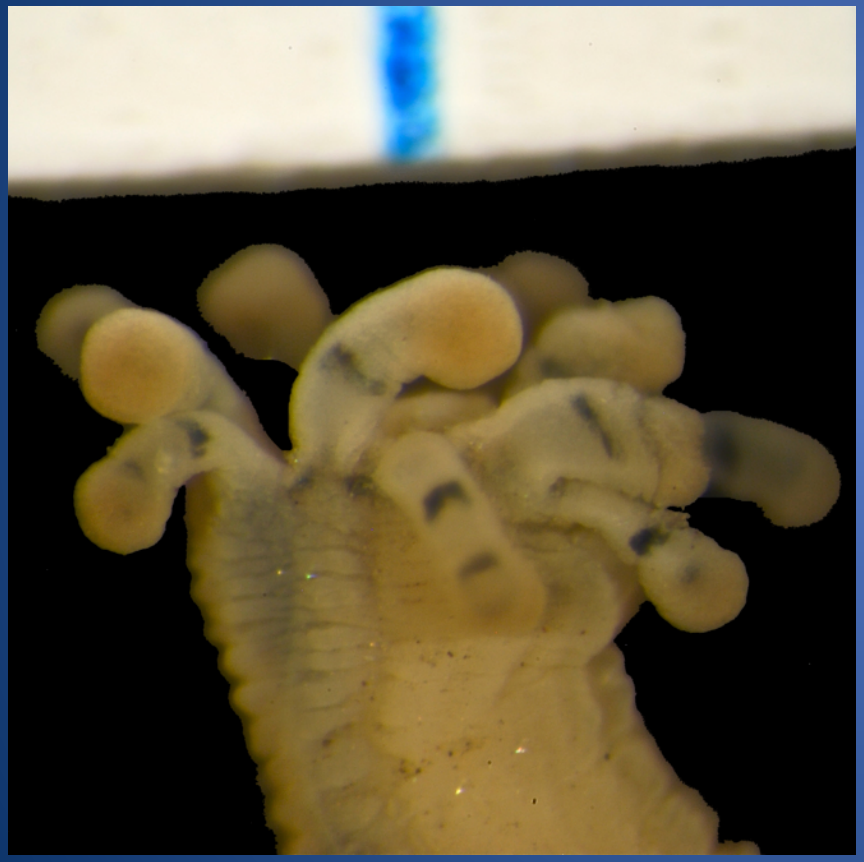


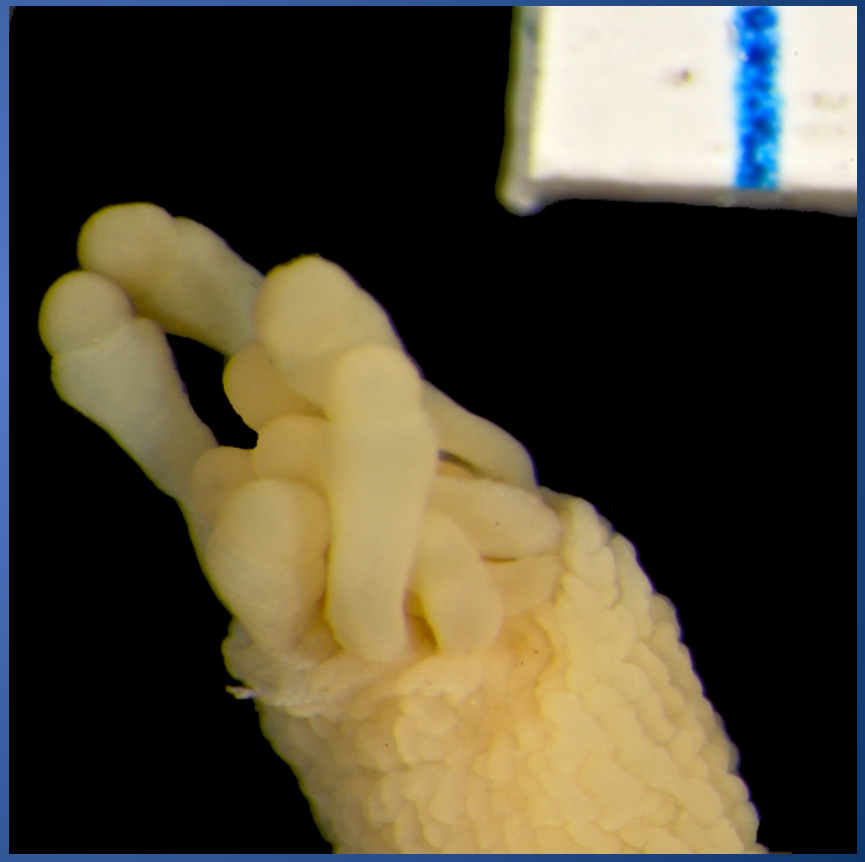
Family Haloclavidae
Anemonactis sp A

Family Haloclavidae
Anemonactis sp A



Family Haloclavidae
Anemonactis sp A



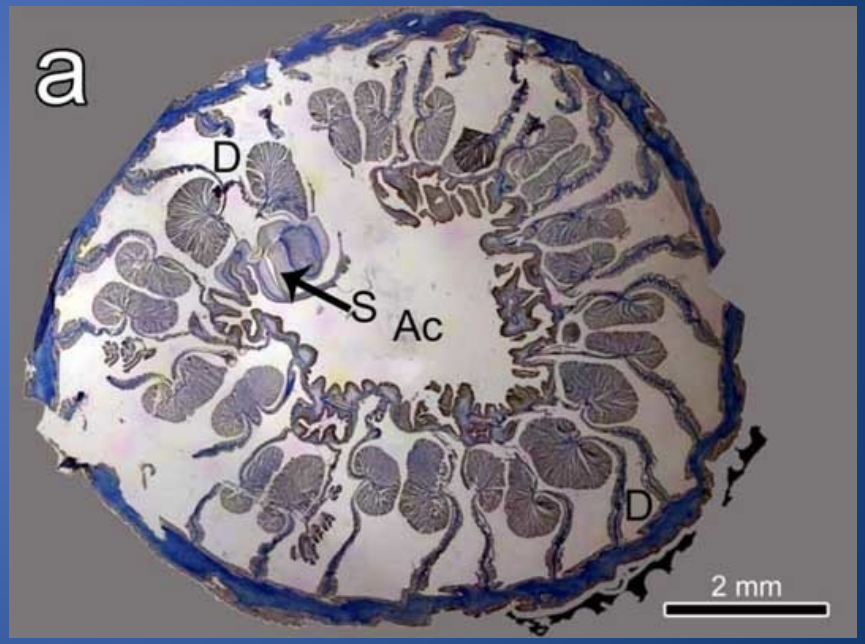


Family Haloclavidae
Anemonactis sp A (juveniles)

Family Haloclavidae
Harenactis

- 1. Elongate, with physa-like aboral end that can flatten into a disc
- 2. Column smooth, with vertical rows of cinclides in upper part
- 3. Tentacles 24, without acrospheres
- 4. Single siphonglyph without conchula
- 5. Mesenteries 12 primary pair

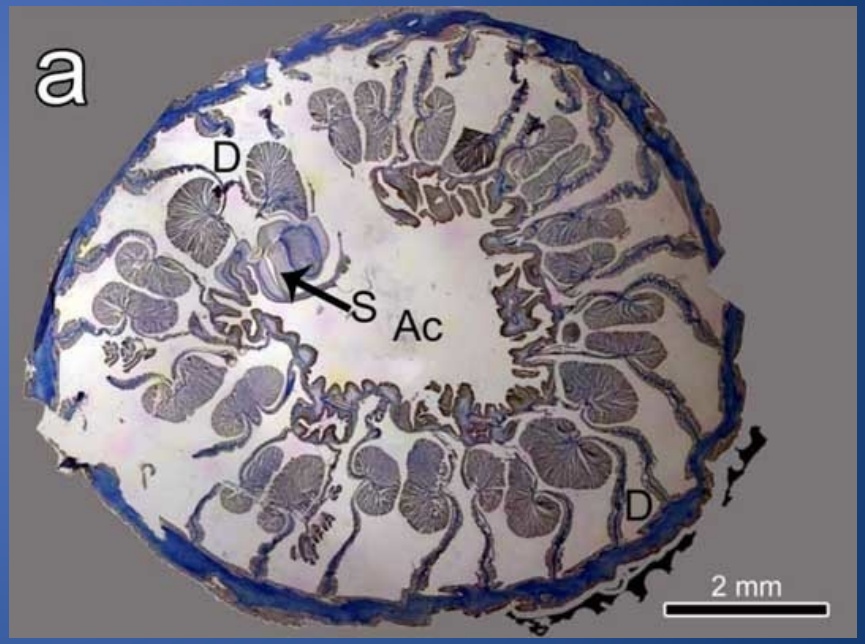
Family Haloclavidae
Harenactis



Hexacorallians of the World website

Family Haloclavidae
Harenactis attenuata

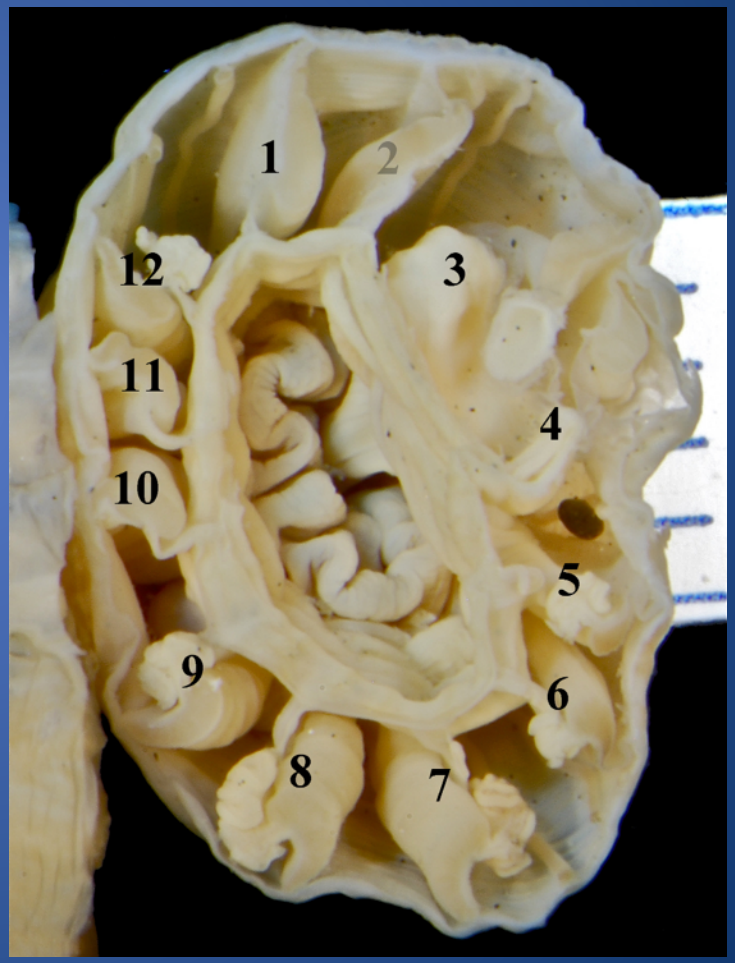
Family Haloclavidae
Harenactis attenuata



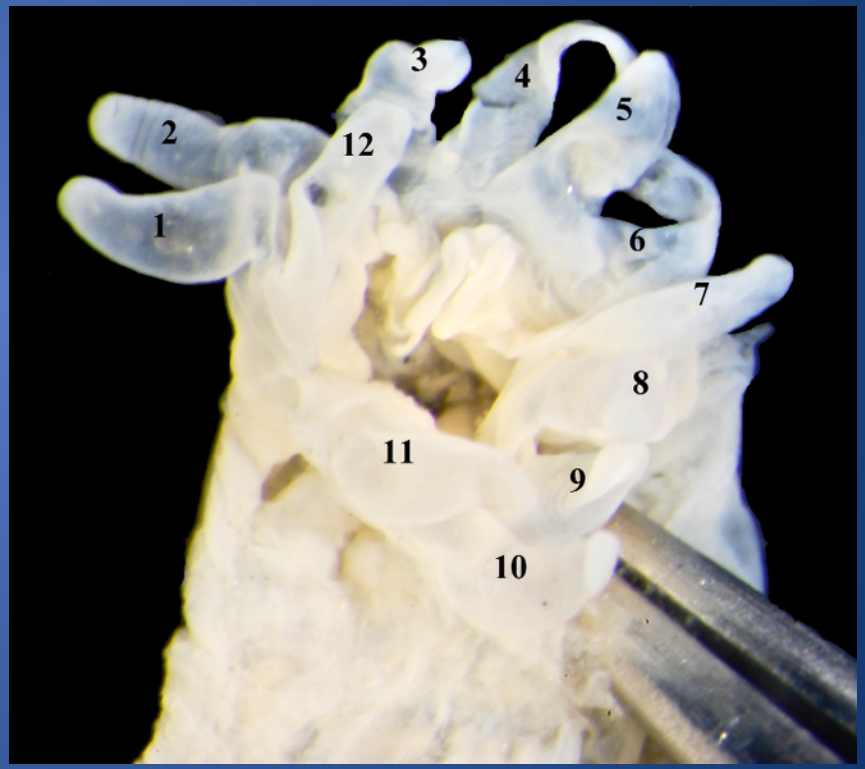
Family Haloclavidae
Peachia

- 1. Elongate, spherical column
- 2. Rounded aboral end
- 3. Tentacles 12, nipple-like to digitiform, without acrospheres
- 4. Mesentaries 6 primary pair, continuous entire length of column
- 5. Deep siphonoglyph with lobed conchula

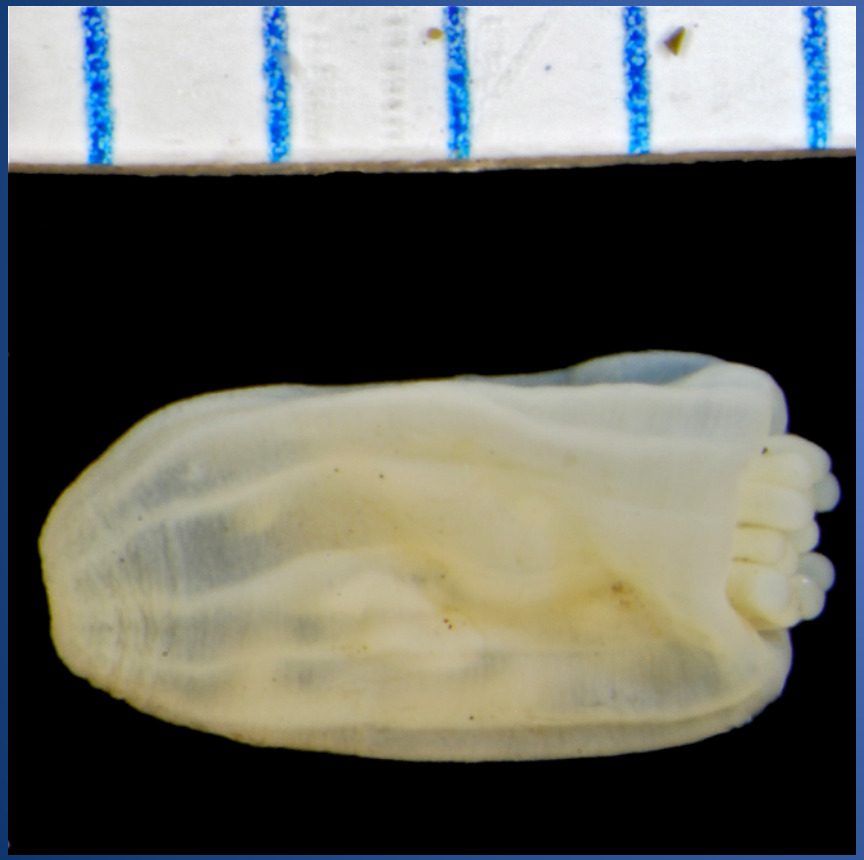
Family Haloclavidae
Peachia quinquecapitata

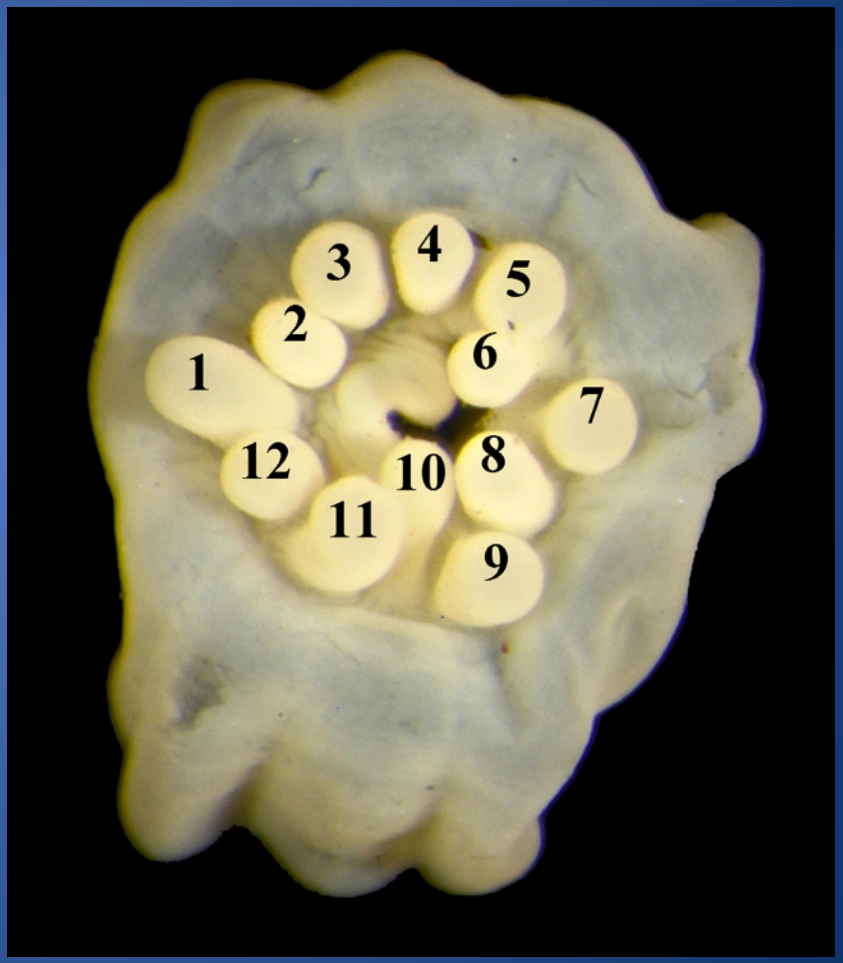


Family Haloclavidae
Peachia quinquecapitata

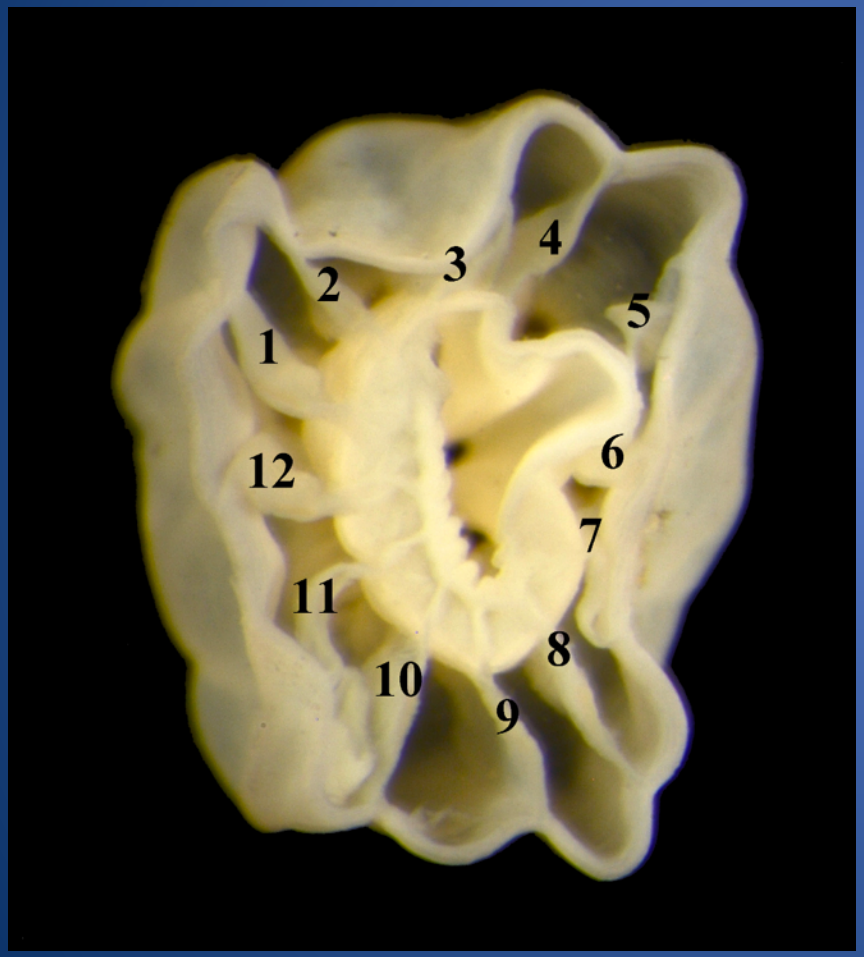


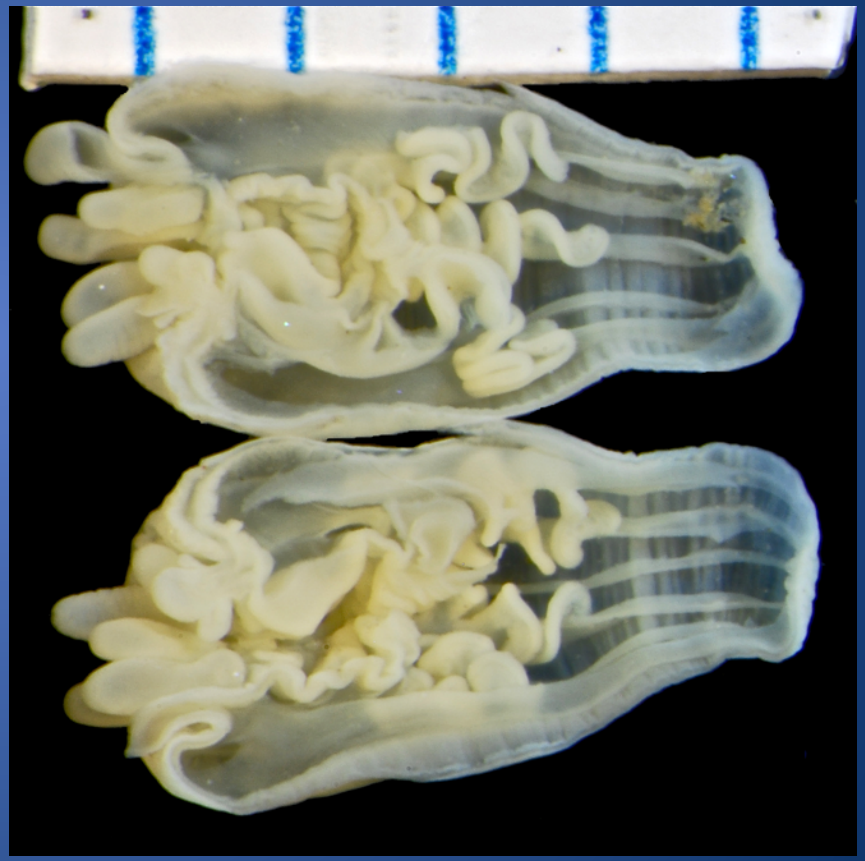
Family Haloclavidae
Peachia quinquecapitata





Family Haloclavidae
Peachia quinquecapitata

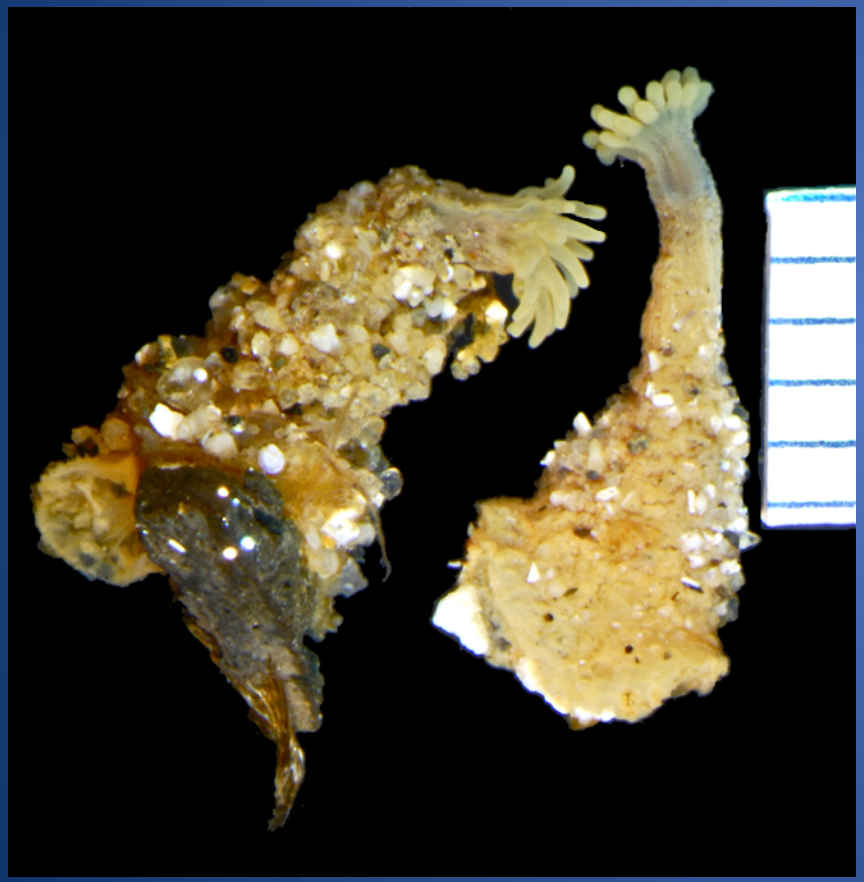




Family Halcampidae
Cactosoma

- 1. Column divisable into physa, scapus and capitulum
- 2. Tentacles >12 (24 in our specimens)
- 3. 6 pair perfect mesenteries

Family Halcampidae
Cactosoma arenaria

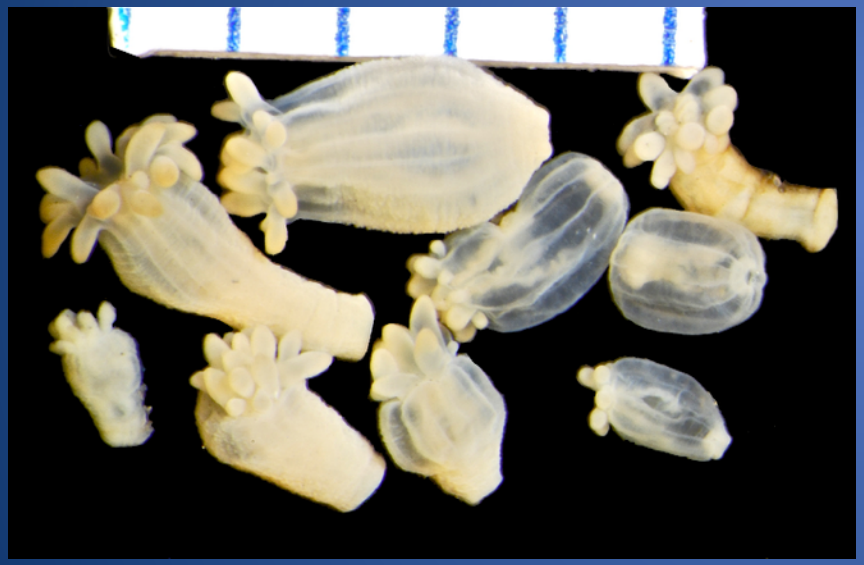


Family Halcampidae
Cactosoma arenaria

Family Halcampidae
Cactosoma arenaria

Hexacorallians of the World website

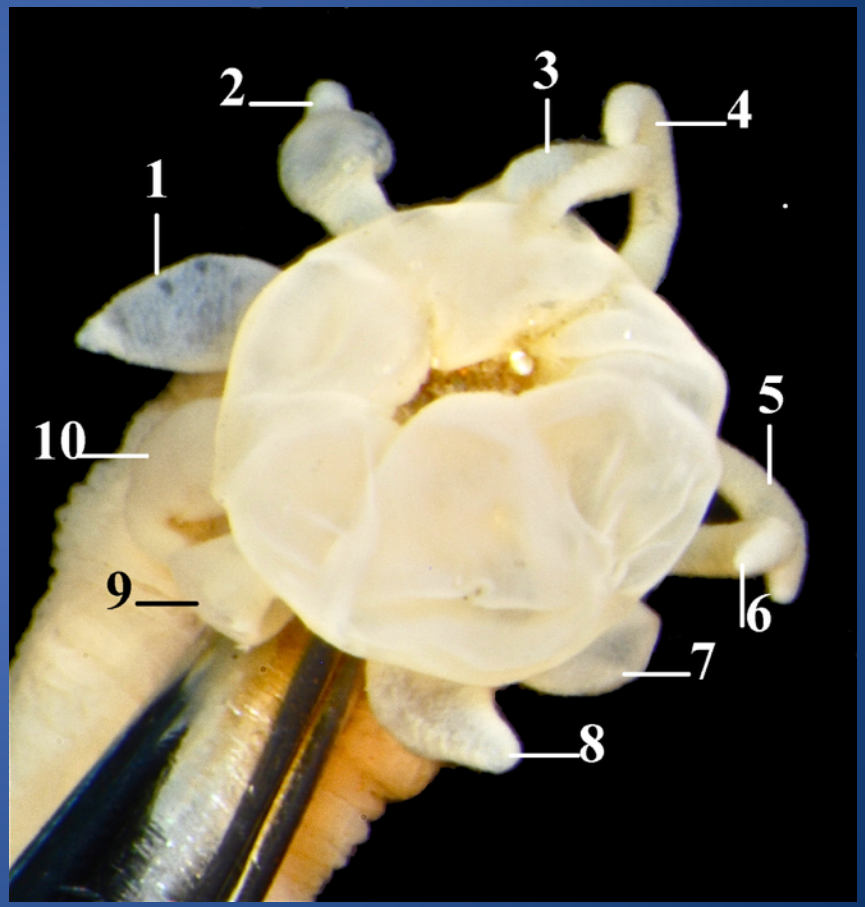
Family Halcampidae
Cactosoma arenaria (juveniles)



Family Halcampidae
Halcampa

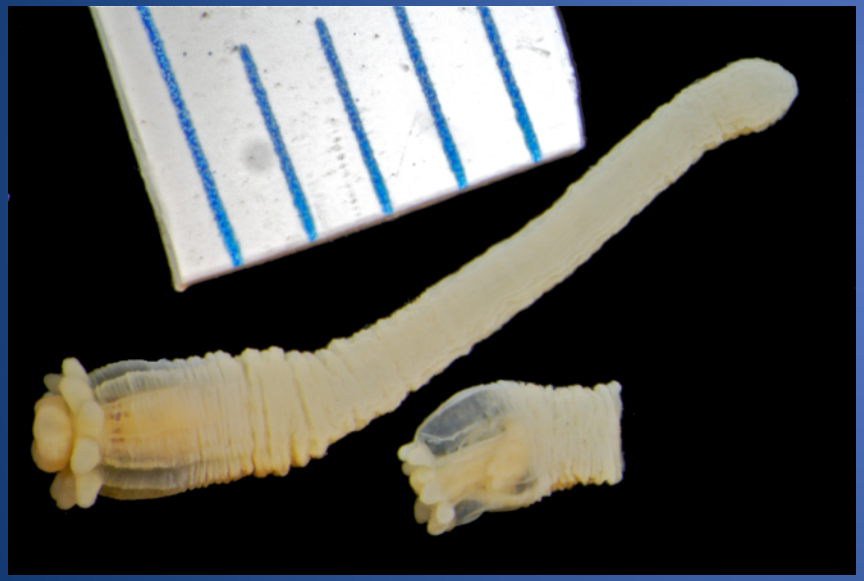
- 1. Body elongate, cylindrical
- 2. Body divisible into three regions
  - a. capitulum
  - b. scapus
  - c. physa
- 3. 5 pair perfect mesenteries
- 4. 10 tentacles (white)
- 5. Nemathybomes absent

Halcampidae
Halcampa decemtentaculata

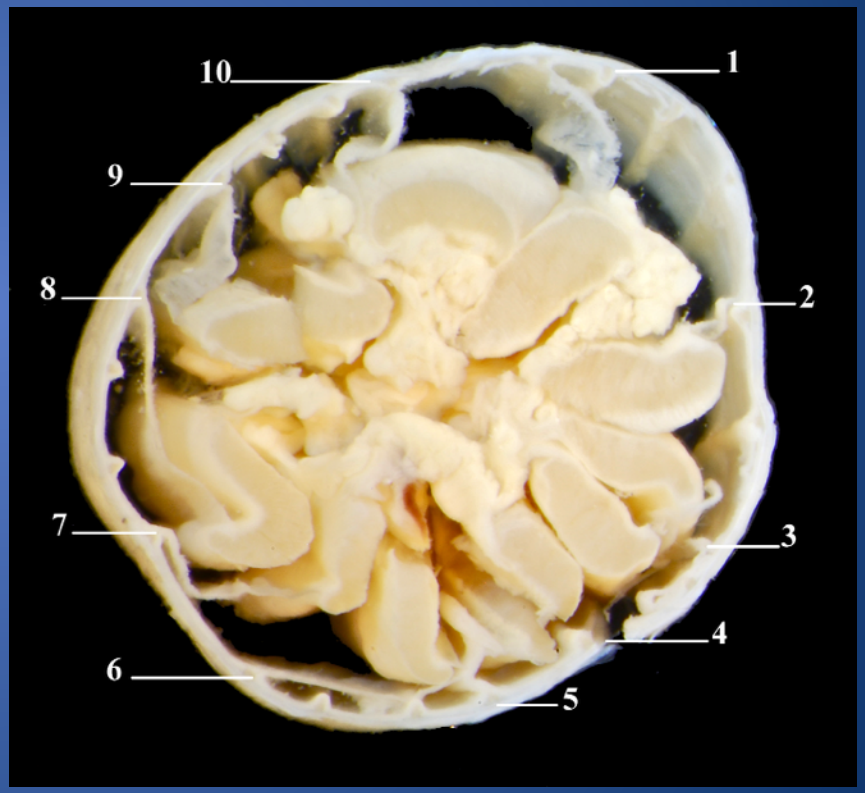


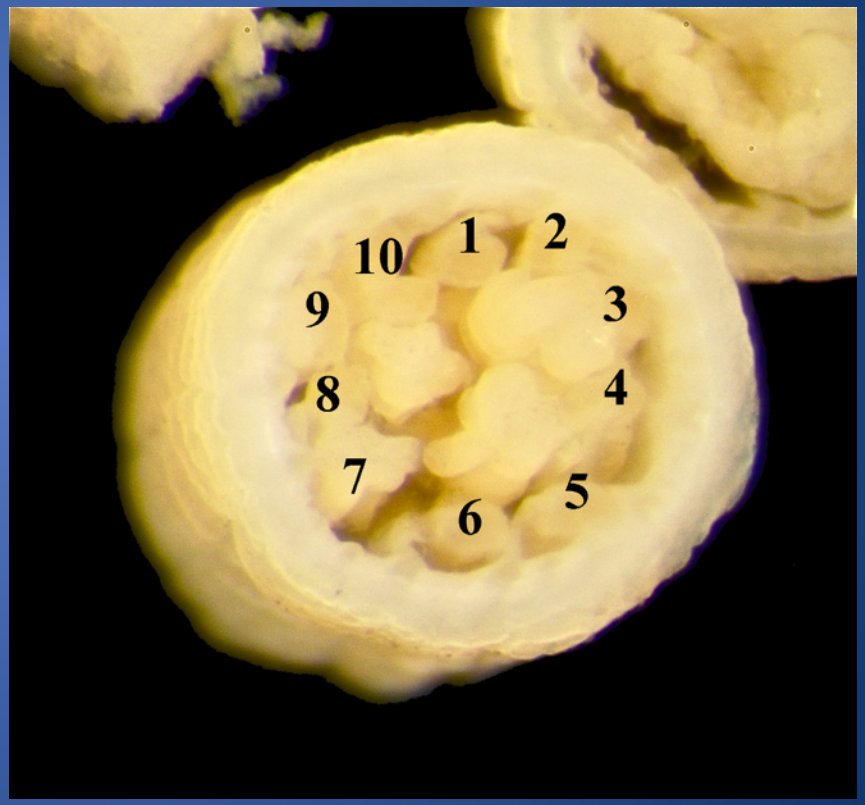
Family Halcampidae
Halcampa decemtentaculata juvenile

Family Halcampidae
Halcampa decemtentaculata



Family Halcampidae
Halcampa decemtentaculata



Family Halcampidae
Halcampa decemtentaculata

Family Halcampidae
Halcampa decemtentaculata (juvenile)