



Key to the Family Pectinariidae of SCAMIT (Ed. 15) and Other Regional Species

Modified from Hutchings & Peart (2002); Zhang *et al.* (2019); Tovar-Hernández & de León-González (2022)

Key

† - species described from region but not reported by SCAMIT

‡ - genus or species not represented locally

- | | |
|---|--|
| 1a. Opercular rim smooth, cirri or lappets absent ----- | 2 |
| 1b. Opercular rim with cirri or lappets present ----- | Genus <i>Amphictene</i> ‡ |
| 2a. (1a) Cephalic veil free from operculum ----- | 3 |
| 2b. Cephalic veil attached to lateral margin of operculum ----- | Genus <i>Lagis</i> ‡ |
| 3a. (2a) One longitudinal row of major teeth on uncini ----- | 4 |
| 3b. More than one longitudinal row of major teeth on uncini ----- | Genus <i>Pectinaria</i> 5 |
| 4a. (3a) Lateral and anterior margins of cephalic veil with numerous cirri or lappets; anal flap present; pair of dorso-lateral pads absent on segment 5 ----- | Genus <i>Cistenides</i> ... 8 |
| 4b. Lateral and anterior margins of cephalic veil smooth or only anterior margin with several lappets; anal flap vestigial; pair of dorso-lateral pads present on segment 5 ----- | Genus <i>Petta</i> ‡ |
| 5a. (3b) Scaphal hooks straight (modified TYPE 1), with distal margins rounded or blunt ----- | 6 |
| 5b. Scaphal hooks curved, hooked distally (TYPE 2 or 3) ----- | 7 |
| 6a. (5a) Segment 4 with six (6) anterior horn-like projections on ventral side; uncini with teeth in 3 longitudinal rows, 7 teeth per row; Scaphe with 6 lateral crenulations and small mid-dorsal cirrus ----- | <i>Pectinaria santii</i>
Tovar-Hernández & de León-González, 2022 †
Type locality - Bahía de Los Angeles,
Baja California, Mexico |
| 6b. Segment 4 without any projections on ventral side; uncini with teeth in 2 longitudinal rows, 7 teeth per row; Scaphe with crenulated margin and a median cirrus ----- | <i>Pectinaria hartmanae</i>
Reish, 1968 †
Type locality - Bahía de Los Angeles,
Baja California, Mexico |
| 7a. (5b) Scaphal hooks gently curved distally (TYPE 2B); opercular paleae copper in color; Scaphe with crenulated margin and small cirrus ----- | <i>Pectinaria californiensis</i>
Hartman, 1941
Type locality - Redondo Beach, CA |
| 7b. Scaphal hooks strongly curved distally (TYPE 2B, 2A & 3); opercular paleae yellow; Scaphe with 16 clavate papillae on margin and large cirrus ----- | <i>Pectinaria californiensis newportensis</i>
Hartman, 1941 †
Type locality - Newport Bay, CA |

8a. (4a) 7-10 pair of paleae present with elongate, acute, blunt tips; uncini with 3-4 teeth

Cistenides granulata

(Linnaeus, 1767) ‡

Type locality - western Europe

(restricted)

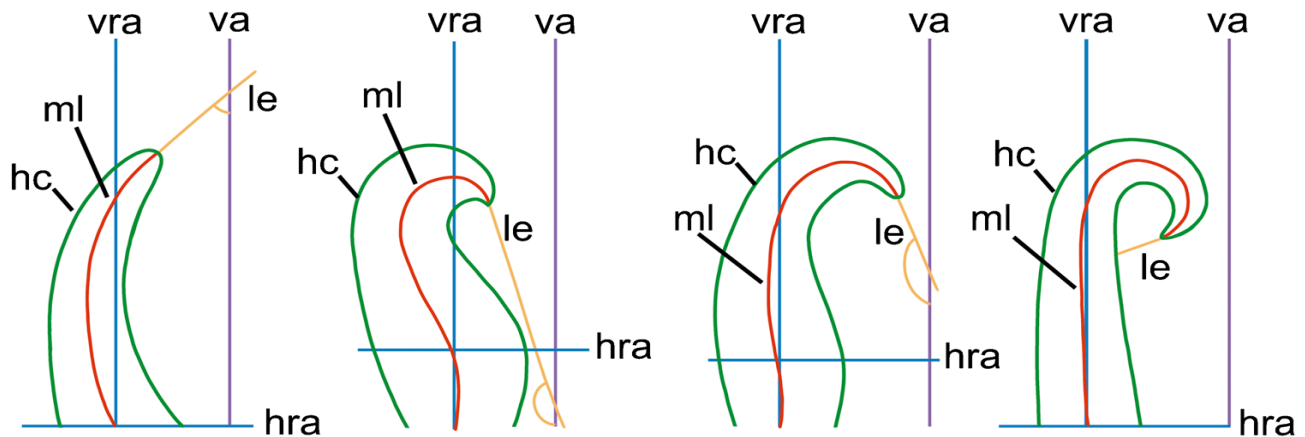
8b. 10-12 pair of paleae present with short, stout, iridescent tips; uncini with 4-5

teeth -----

Cistenides brevicoma

(Johnson, 1901)

Type locality - Puget Sound, WA



Type 1



Type 2A



Type 2B



Type 3

from Barroso *et al.* (2026)

hc - whole contour of the hook

vra - vertical reference axis

hra - horizontal reference axis

ml - line that runs from the midpoint through the interior to tip

va - reference axis is parallel to *vra* but not touching *hc*

le - linear extension of *ml* arising from hook tip

Type 1 - hook width only decreases from base to tip; angle of *le* & *va* <90°

Type 2A - hook width increases first, then decreases; angle of *le* & *va* >90°, crossing *hra*

Type 2B - hook width increases first, then decreases; angle of *le* & *va* >90°, not crossing *hra*

Type 3 - hook width decreases from base to tip; angle of *le* & *vra* <90°, *le* does not intersect with *va*

Comments

The range of *Cistenides granulata* was restricted to area of the Barents Sea by van Haaren (2021). Local records of *Cistenides* should use *Cistenides brevicoma*. This name will be updated in SCAMIT Ed. 16.

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