



Key to the species of Scolecitrichidae Amallothrix occurring in the China Seas

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REVIEW-TAXONOMIC INDEX

Key to the Species of Scolecitrichidae *Amallothrix* Occurring in the China Seas

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Amallothrix arcuata(6a/14a/f), *curticauda*(8a/f), *falcifer*(5a/14b/f), *gracilis*(4a/13a/f), *robusta*(2a/f) (female only), *tenuiserrata*(5b/11a/f), *timida*(9a/f) (female only), *tropica*(8b/f) (male unknown), *valens*(10a/f) (female only), *valida*(10b/13b/f)

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Available online 14 November 2022

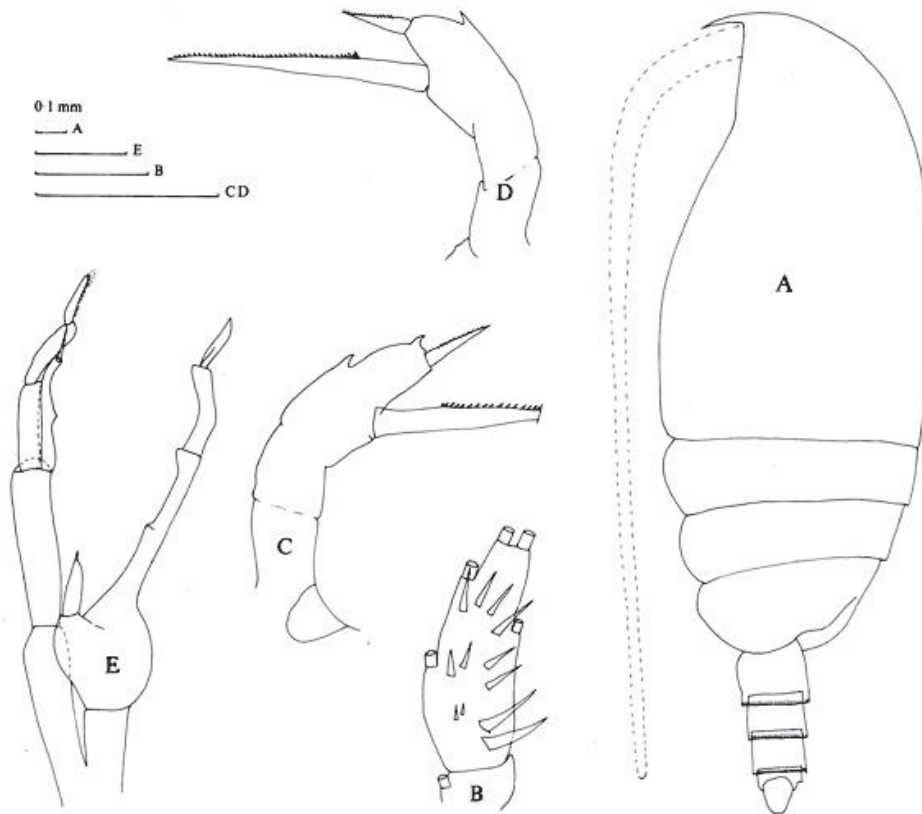
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13a/12a	Left leg 5: endopod reaching distal border of exopod segment 2. Right leg 5 endopod: length 8 times width (at base).....	<i>Amallothrix gracilis</i>
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Amallothrix arcuata (G.O. Sars, 1920) (Size: female, 2.18–2.96 mm; 2.34–3.40 mm)

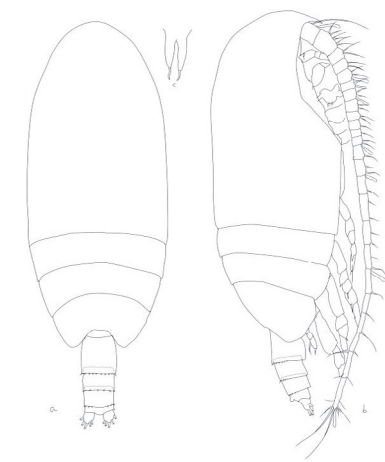


Amallothrix arcuata (G.O. Sars, 1920)

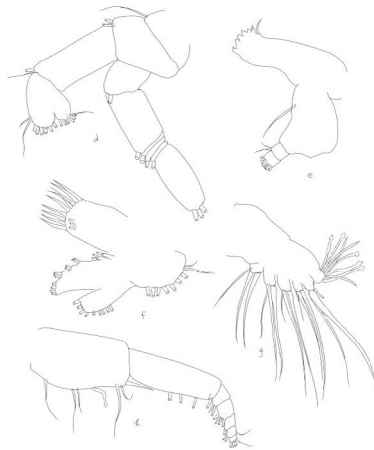
Bradford et al., 1983: Fig. 43. Female: A, habitus (lateral left side); B, leg 2 endopod; C/D leg 5; Male. E, leg 5 (anterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

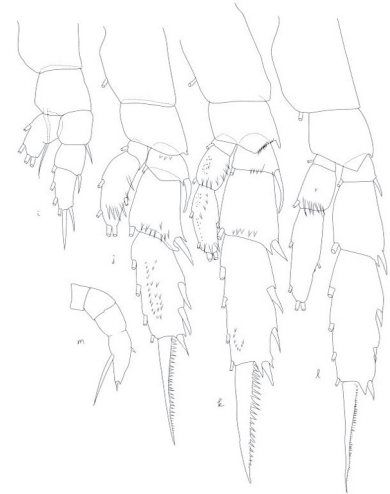
Amallothrix arcuata (G.O. Sars, 1920)



Habitus (Female)
 a, b
 c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z
 72-86



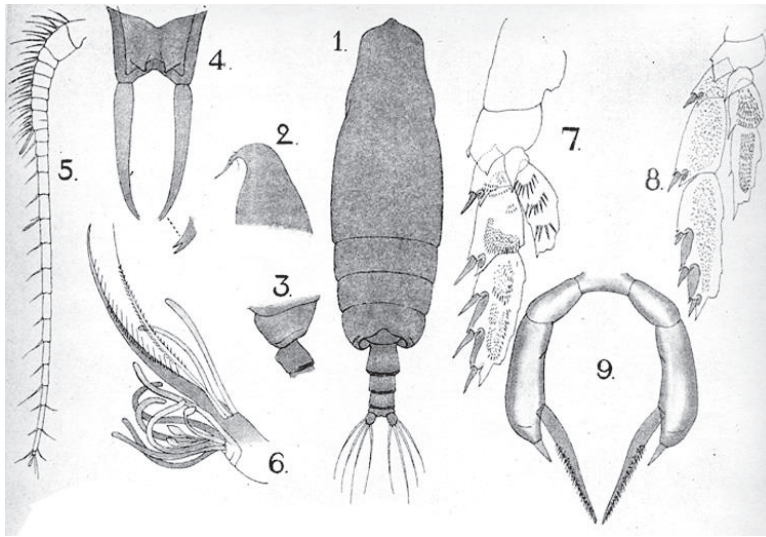
Mouth parts
Amallothrix arcuata (G.O. Sars, 1920)



Legs 1-5

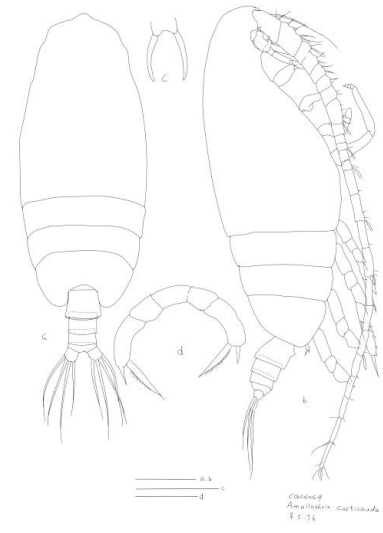
Original. *Amallothrix arcuata* (G.O. Sars, 1920), Female, 2.96 mm, South China Sea (6°46'N, 112°43'E, 1200 m): a/b. habitus (dorsal/lateral); c. rostrum (anteroventral); Mouth parts. d. right antenna (posterior); e. right mandible (posterior); f. right maxillule (posterior); g. right maxilla (posterior); h. right maxilliped (posterior); Legs. i-m. right legs 1–5. Scales: a, b = 0.5 mm; c-e, g-m = 0.2 mm; f = 0.2 mm.

Amallothrix curticauda A. Scott, 1909 (Size: female, 5.70–6.00 mm; 4.70 mm)



Scott, 1909

Amallothrix curticauda A. Scott, 1909



Original

Scott, 1909: pl. 30. *Amallothrix curticauda* A. Scott, 1909, Female. 1. Habitus (dorsal); 2. Forehead (lateral); 3. Posterior prosome & genital double-somite (lateral); 4. Rostrum (frontal); 5. Antennule; 6. Maxilla (distal segments); 7. Leg 2; 8. Leg 4; 9. Leg 5.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed October 07 2020].

Original. *Amallothrix curticauda* A. Scott, 1909, Female, 5.76 mm, South China Sea (8°33'N, 115°41'E, 1000 m): a/b. habitus (dorsal/lateral); c. rostrum (anteroventral); d. leg 5 (posterior). Scales: a, b = 1 mm; c = 0.1 mm; d = 0.1 mm.

Amallothrix falcifer (Farran, 1926) (Size: female, 1.80–2.20 mm; 1.98–2.81 mm)

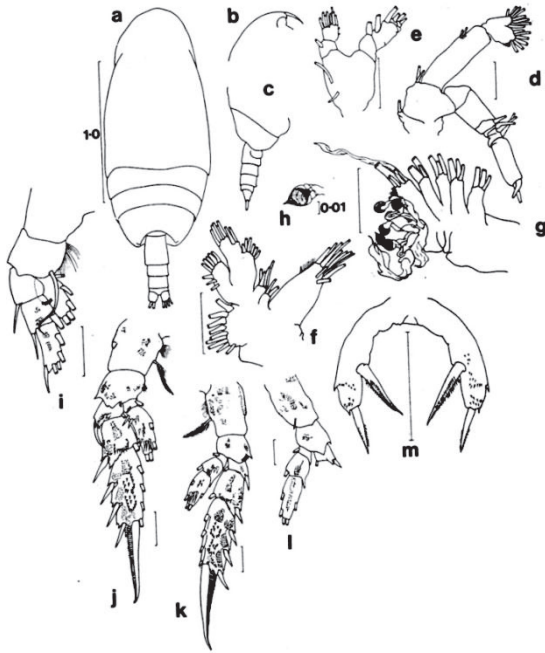


Fig. 15a-m

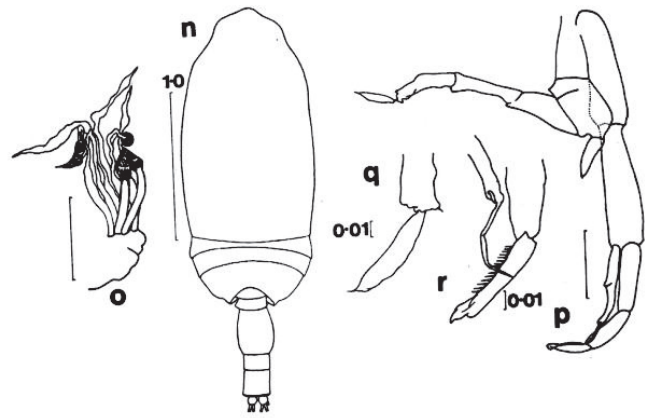


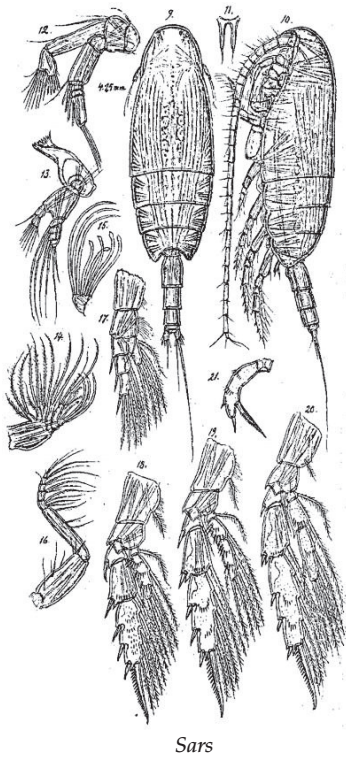
Fig. 15n-r

Amallothrix falcifer (Farran, 1926)

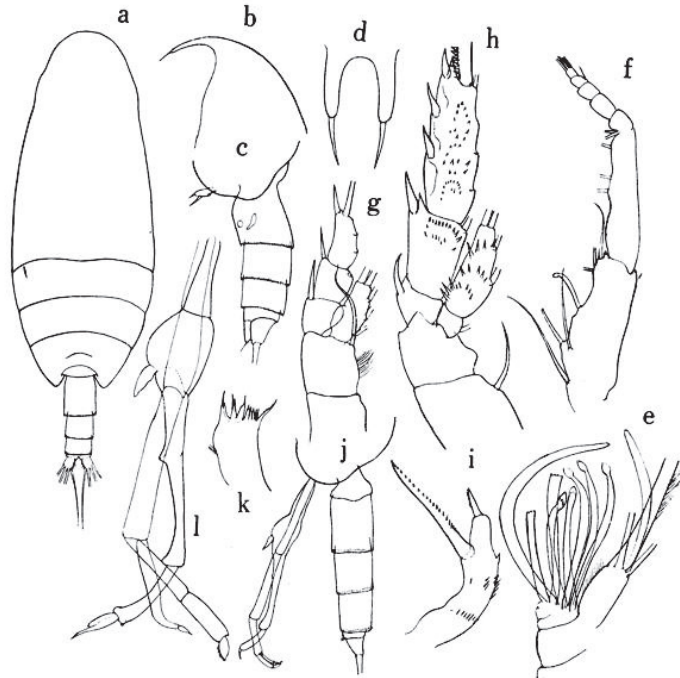
Roe, 1975. Fig. 15a-m. *Amallothrix falcifer* (Farran, 1926), Female (NE Atlantic): habitus (dorsal); b, forehead and rostrum (right lateral side); c, last thoracic segment and urosome (right lateral side); d, antenna; e, mandibular palp; f, maxillule; g, maxilla; h, maxilliped (brush-like seta head); i-m, legs 1–5. Fig. 15n-r. Male (NE Atlantic): n, habitus (dorsal); o, maxilliped (endopod); p, leg 5; q, leg 5 (last exopodite segment right leg); r, leg 5 (terminal segments left leg).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

Amallothrix gracilis (G.O. Sars, 1905) (Size: female, 3.00–4.50 mm; 3.30–4.44 mm)



Sars



Tanaka

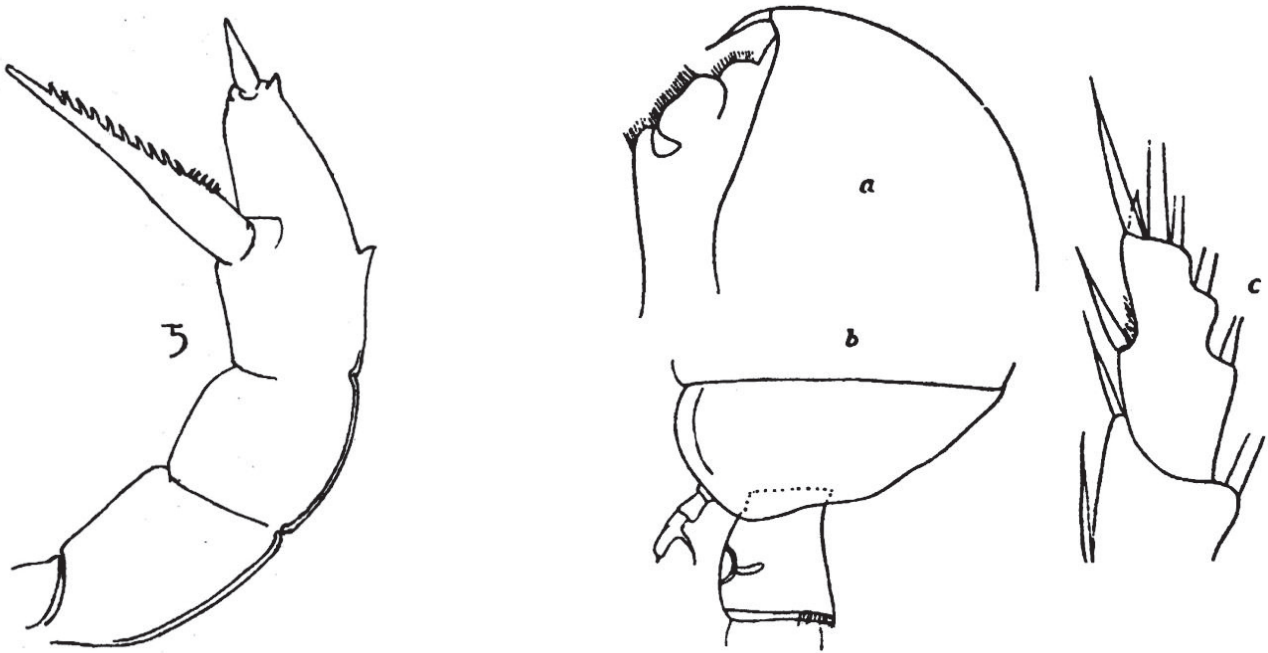
Amallothrix gracilis (G.O. Sars, 1905)

Sars, 1924: pl. 49. *Amallothrix gracilis* (G.O. Sars, 1905), Female. 9/10. habitus (dorsal/lateral); 11. rostrum; 12. antenna. 13. mandible; 14. maxilla; 15. maxilla, distal segments with bud-like setae (enlarged); 16. maxilliped; 17–21. legs 1–5.

Tanaka, 1962: Fig. 139. *Amallothrix gracilis* (G.O. Sars, 1905), Female. a. habitus (dorsal); b. forehead (lateral); c. posterior prosome and urosome (lateral); d. rostrum (dorsal); e. maxilla; f. maxilliped; g. leg 1 (posterior); h. leg 2; i. leg 5. Male. j. posterior prosome and urosome (lateral); k. mandible, masticatory edge; l. leg 5 (posterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

Amallothrix robusta (T. Scott, 1894) (Size: female, 2.48–3.10 mm; unknown)



Farran

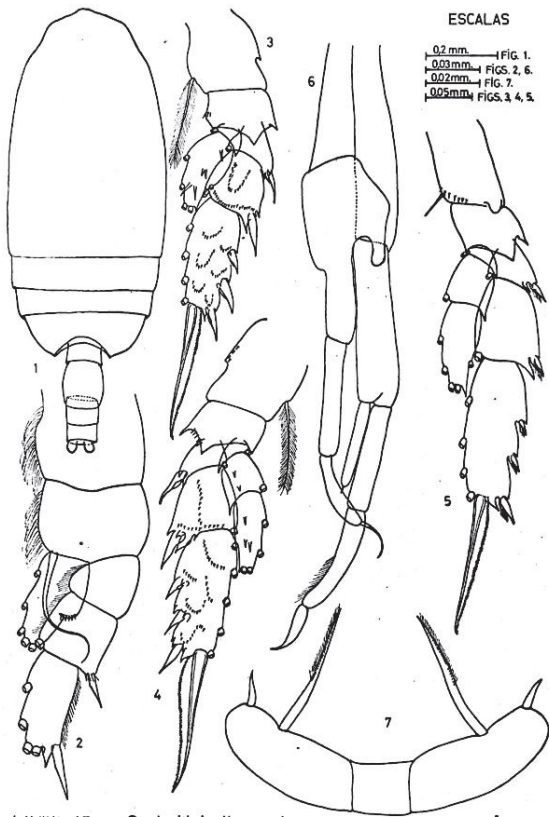
Amallothrix robusta (T. Scott, 1894)

With

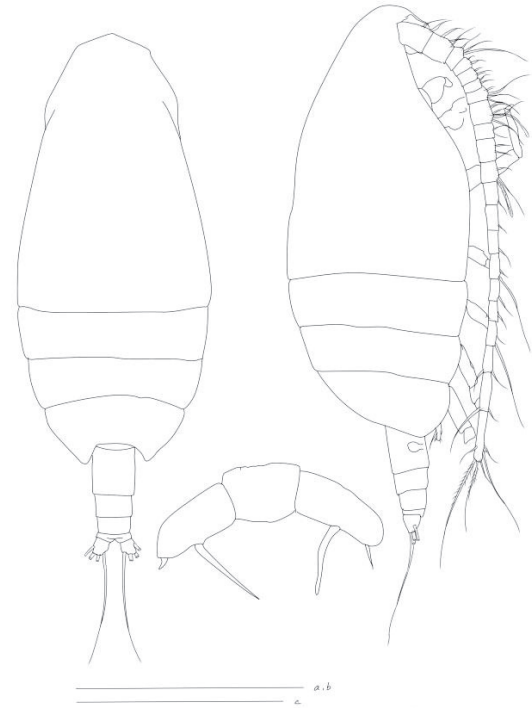
Farran, 1906: pl. 6, Fig. 5. *Amallothrix robusta* (T. Scott, 1894), Female. leg 5.

With, 1915: text Fig. 64. *Amallothrix robusta* (T. Scott, 1894), Female. a. forehead (lateral); b. posterior pro-somite and genital double-somite (lateral); c. right leg 1, distal exopod segments.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

Amallothrix tenuiserrata (Giesbrecht 1892) (Size: female, 1.00–1.22 mm; 1.00–1.45 mm)

Corral Estrada

Amallothrix tenuiserrata (Giesbrecht 1892)

Original

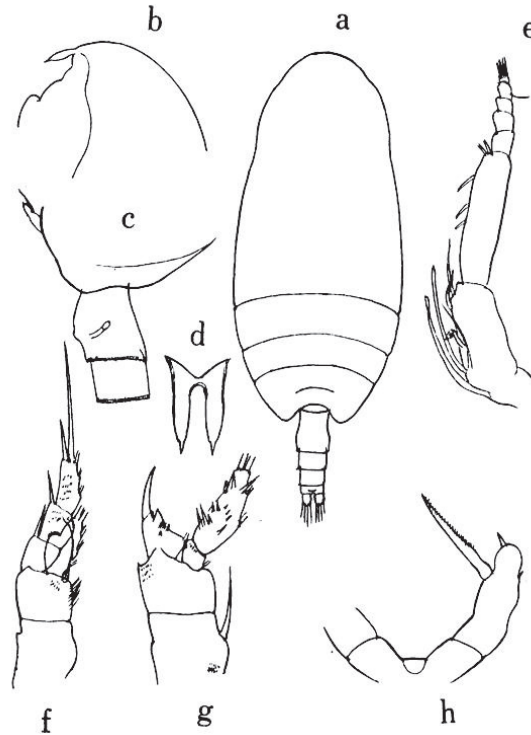
KTFB-3-6
 Scaphotrichella tenuiserrata
 -1114

Corral Estrada, 1970: pl. 45. *Amallothrix tenuiserrata* (Giesbrecht 1892), Male. 1. Habitus (dorsal); 2–6. Legs 1–5 (leg 5: anterior). Female. 7. Leg 5.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

Original. *Amallothrix tenuiserrata* (Giesbrecht 1892), Female, 1.14 mm, east of Taiwan. a/b. habitus (dorsal/lateral); c. leg 5.

Amallothrix timida (Tanaka, 1962) (Size: female, 1.50–1.84 mm; unknown)

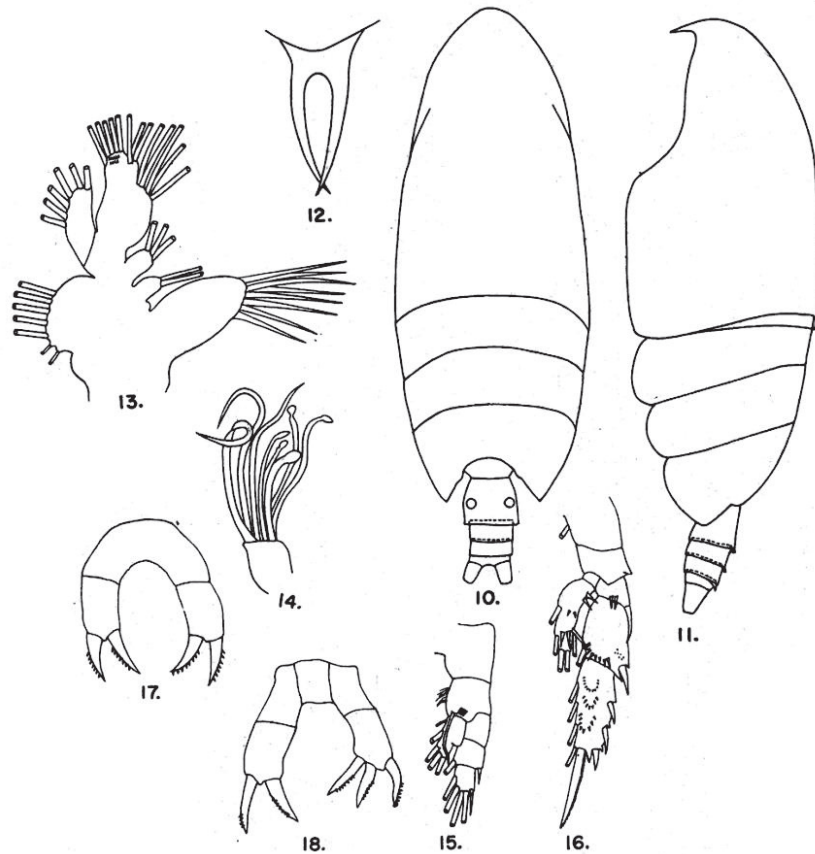


Amallothrix timida (Tanaka, 1962)

Tanaka, 1962: Fig. 148. *Amallothrix timida* (Tanaka, 1962), Female: a. habitus (dorsal); b. forehead (lateral); c. posterior prosome and urosomites 1–2 (lateral); d. rostrum (dorsal); e. maxilliped; f. leg 1; g. leg 2; h. leg 5. Nota: maxilla with 5 bud-like and 3 vermiform filaments on endopod.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07 2021].

Amallothrix tropica (Grice, 1962) (Size: female, 1.13–1.30 mm; male, unknown)

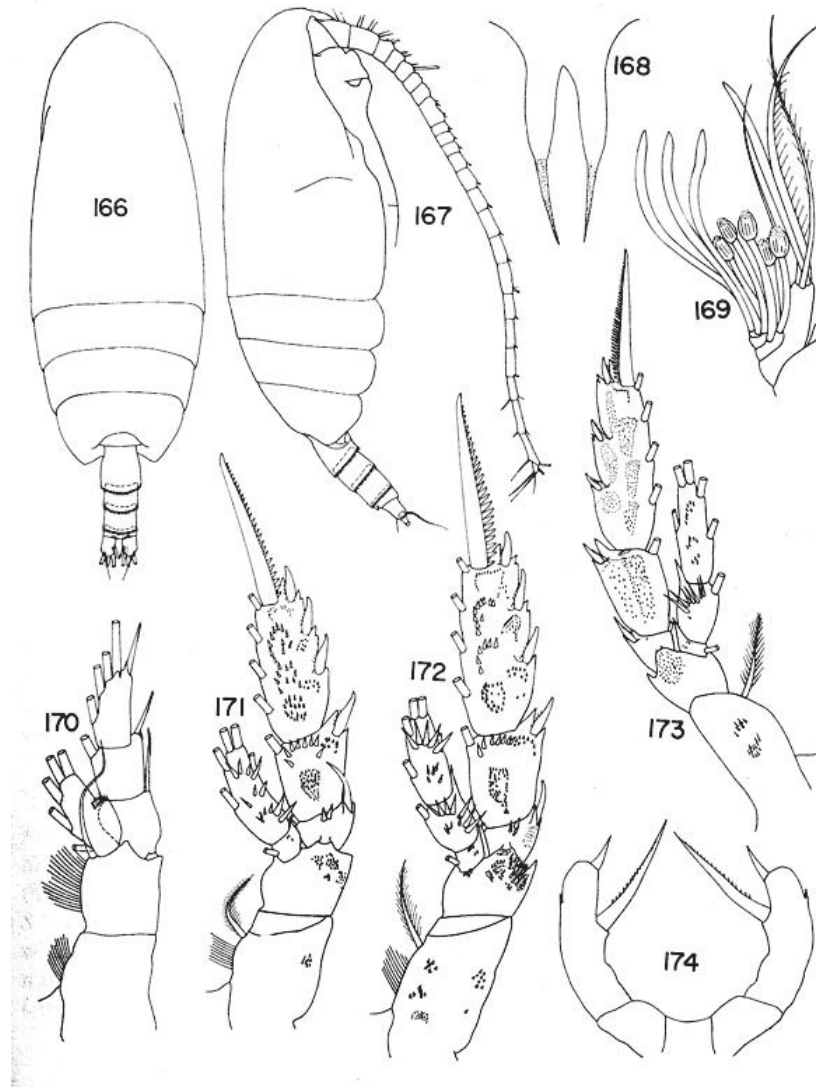


Amallothrix tropica (Grice, 1962)

Grice, 1962: *Amallothrix tropica* (Grice, 1962), pl. 18. Female. 10/11, habitus (dorsal/lateral); 12. rostrum; 13. maxillule; 14. maxilla, terminal part; 15. leg 1; 16. Leg 2; 17. leg 5; 18. leg 5 (abnormal).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 08 2021].

Amallothrix valens (Farran, 1926) (Size: female, 2.28–2.74 mm; male, unknown)

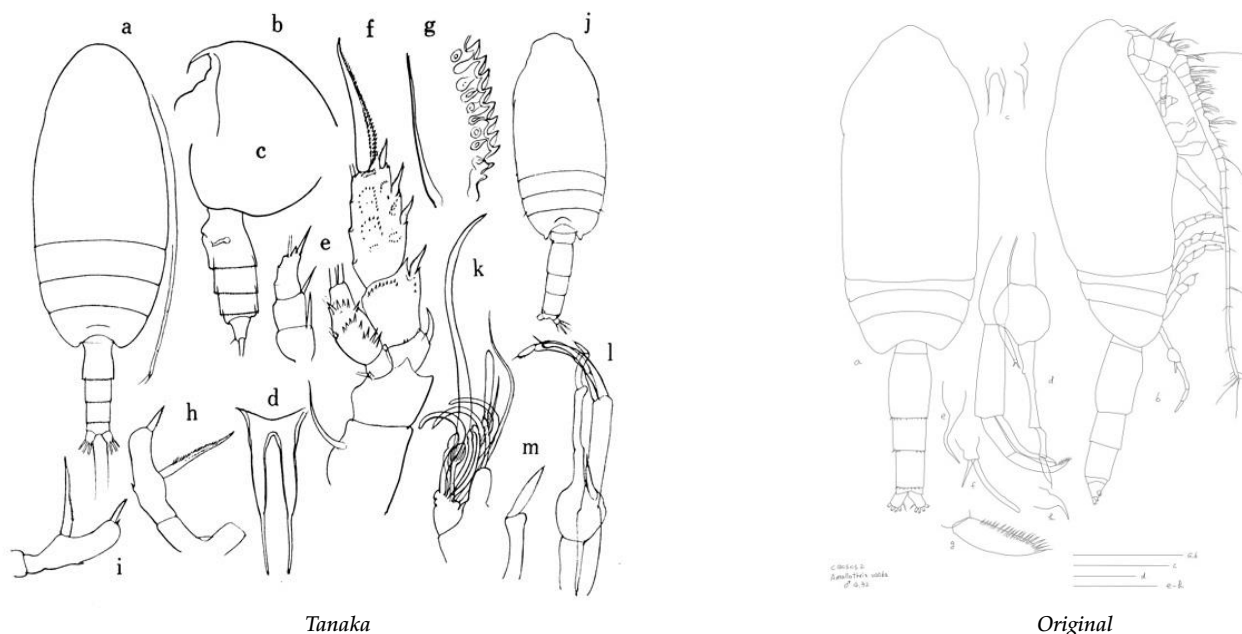


Amallothrix valens (Farran, 1926)

Park, 1970: figs. 166–174. *Amallothrix valens* (Farran, 1926), Female. 166/167. habitus (dorsal/lateral); 168. rostrum (frontal); 169. maxilla, distal segments; 170. leg 1 (anterior); 171–173, legs 2–4; 174. leg 5.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 08 2021].

Amallothrix valida (Farran, 1908) (Size: female, 2.10–4.50 mm; male, 4.00–5.35 mm))



Tanaka

Amallothrix valida (Farran, 1908)

Original

Tanaka, 1962: Fig. 143. *Amallothrix valida* (Farran, 1908), Female. a. habitus (dorsal); b. forehead (lateral); c. pediger 5 and urosome (lateral); d. rostrum (dorsal); e. leg 1; f. leg 2; g. leg 2, proximal pair of terminal spine of exopod; h, leg 5; i. leg 5 (other specimen). Male: j. habitus (dorsal); k. maxilla; l. leg 5 (posterior); m, distal segment of right leg 5 exopod. Nota: maxilla with 3 long vermiform and 5 amalliform sensory filaments on the distal segment, the 5th lobe with a long and strong spine.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 08 2021].

Original. *Amallothrix valida* (Farran, 1908), Male, 4.32 mm, South China Sea (7°42'N, 115°39'E, 2000 m): a/b. habitus (dorsal/lateral); c. rostrum (anteroventral and lateral); d. leg 5 (posterior); e. right leg 5, distal end of exopod; f. right leg 5, distal end of endopod; g. left leg 5, distal end of exopod; h. left leg 5, distal end of endopod. Scales: a, b = 1.0 mm; c = 0.5 mm; d = 0.2 mm; e = 0.1 mm.