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Key to the species of Pontellidae Pontellopsis occurring in the China Seas

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REVIEW-TAXONOMIC INDEX

Key to the Species of Pontellidae *Pontellopsis* Occurring in the China Seas

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Pontellopsis armata (12a/18b/f), *herdmani* (8a/16a/f), *inflatodigitata* (5a/20a/f), *krameri* (4a/22a/f), *laminata* (6a/21a/f), *macronyx* (9b/17a/f), *perspicax* (12b/33a/f), *regalis* (11a/15a/f), *strenua* (16a/18a/f), *tenuicauda* (9a/20b/f), *villosa* (2a/13a/f), *yamadae* (15a/23b/f)

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Available online 14 November 2022

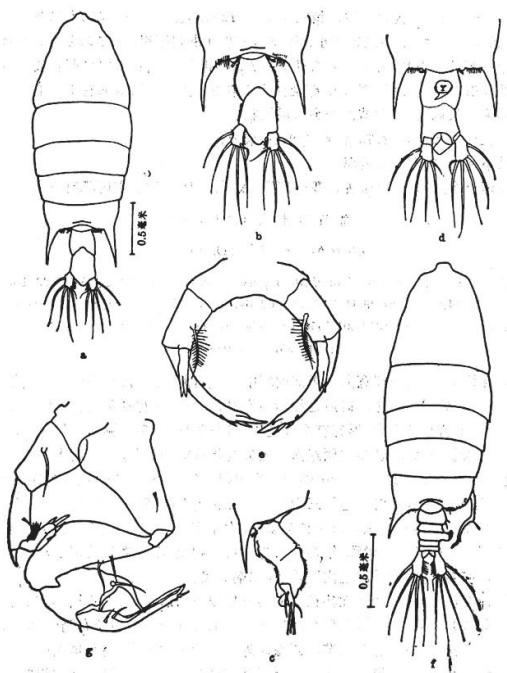
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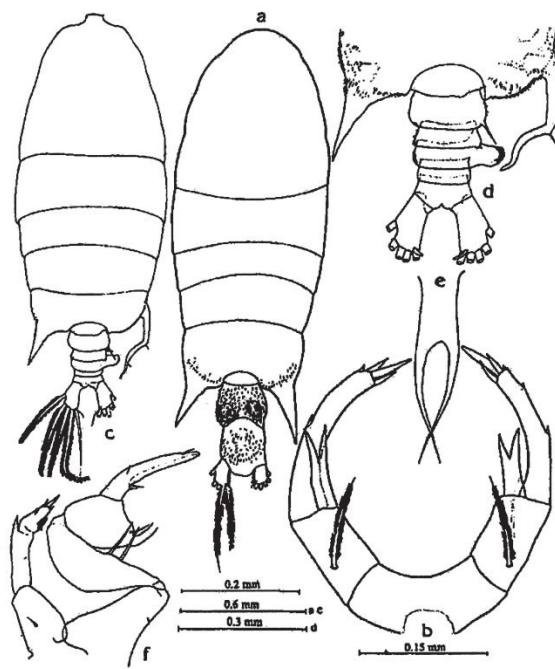


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Pontellopsis armata (Giesbrecht, 1889) (Size: female, 2.00–2.75 mm; 1.90–2.59 mm)



Zheng et al., 1982



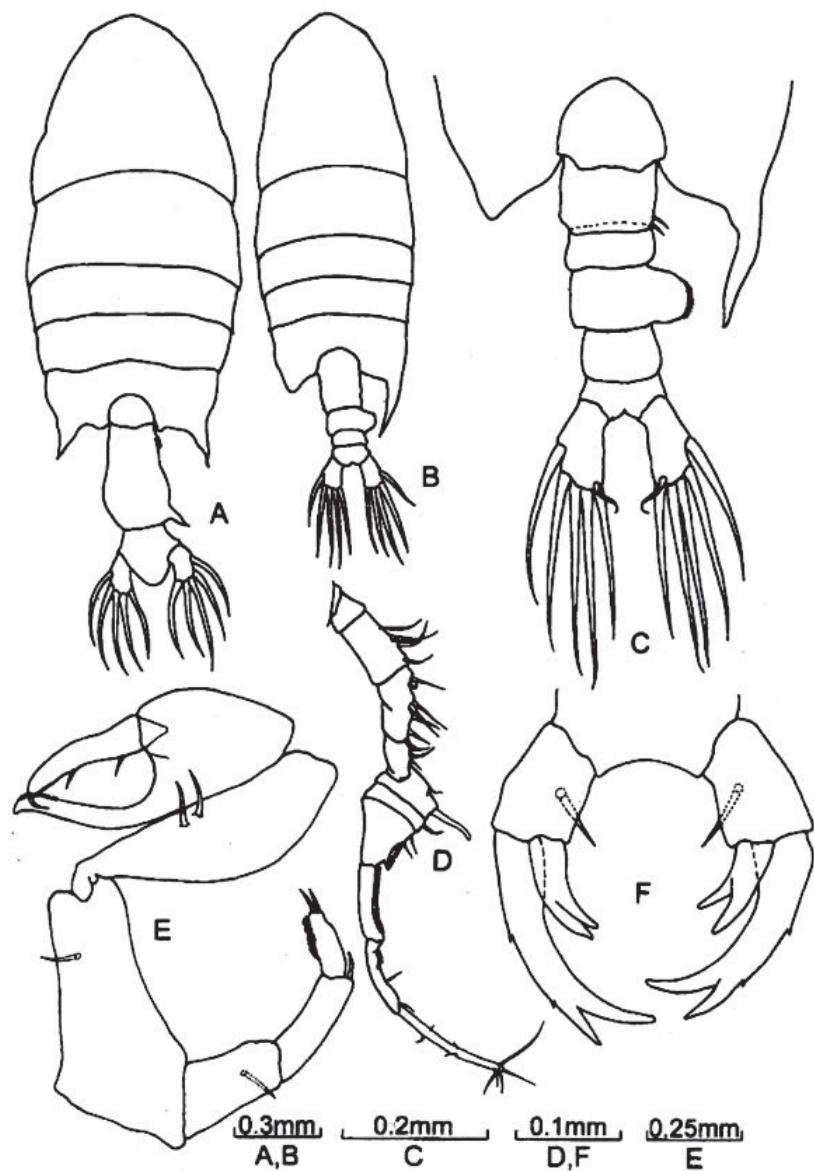
Pontellopsis armata (Giesbrecht, 1889)

Z. Zheng, S. Li, S.J. Li & B. Chen, 1982 [p.89, Fig. 50]. *Pontellopsis armata* (Giesbrecht, 1889), Female: a, habitus (dorsal); b, urosome (dorsal); c, idem (lateral, left side); d, idem (ventral); e, P5. Male: f, habitus (dorsal); g, P5. Scale bars in mm.

Mulyadi, 2002. Fig. 46. *Pontellopsis armata* (Giesbrecht, 1889), Female (from Lombok Sea): a, habitus (dorsal); b, P5. Male: c, habitus (dorsal); d, metasomal somite 5 and urosome (dorsal); e, rostrum (anterior view); f, P5

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 24 2021].

Pontellopsis herdmani Thompson & Scott, 1903 (Size: female, 1.90–2.32 mm; 1.76–2.00 mm)

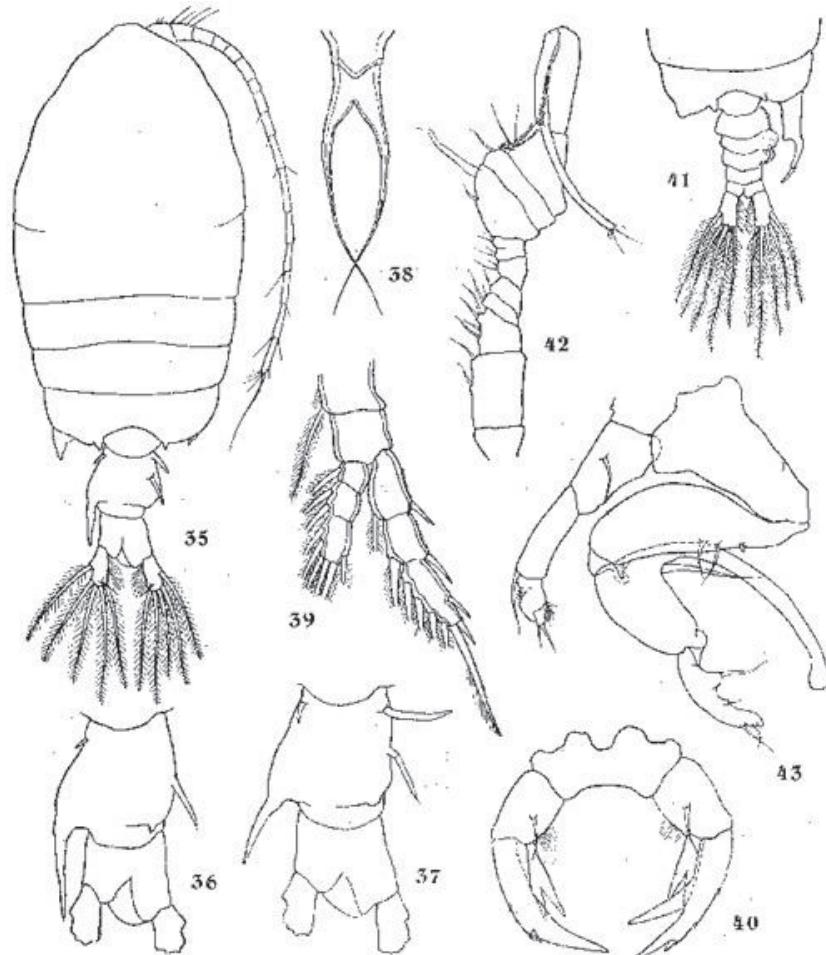


Pontellopsis herdmani Thompson & Scott, 1903

Othman & Toda, 2006: Fig. 20. *Pontellopsis herdmani* Thompson & Scott, 1903, Female. A. habitus (dorsal); F. leg 5. Male. B. habitus (dorsal); C. posterior prosome & urosome (dorsal). D. right antennule; E. 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 25 2021].

Pontellopsis inflatodigitata Chen & Shen, 1974 (Size: female, 1.60–2.04 mm; 1.50–1.70 mm)

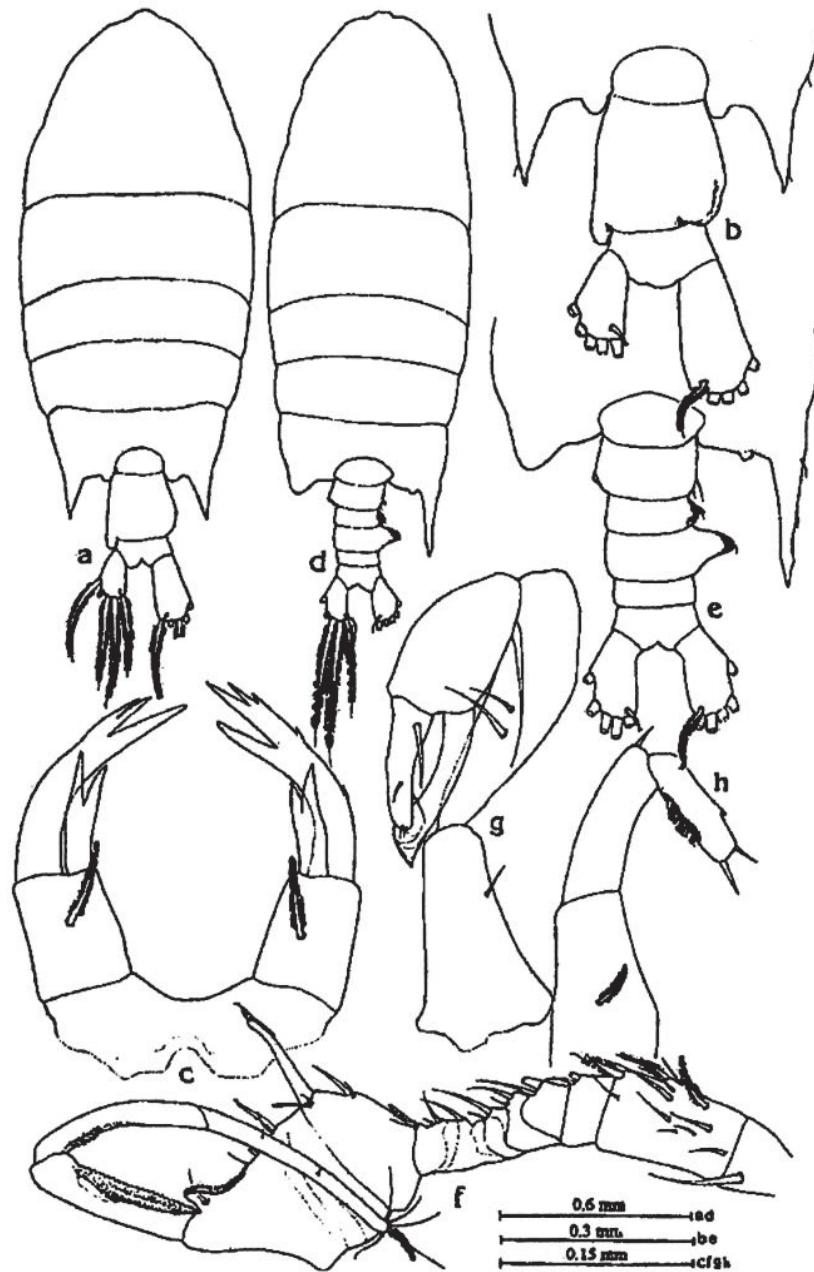


Pontellopsis inflatodigitata Chen & Shen, 1974

Chen & Shen, 1974: figs. *Pontellopsis inflatodigitata* Chen & Shen, 1974, Female (from South China Sea): 35. habitus (dorsal); 36. urosome (dorsal); 37. urosome (dorsal, another specimen); 38. rostrum (frontal); 39. Leg 2; 40. Leg 5 (posterior). Male. 41. Posterior prosome & urosome (dorsal); 42. right antennule; 43. 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 25 2021].

Pontellopsis krameri (Giesbrecht, 1896) (Size: female, 1.86–2.95 mm; 1.60–2.20 mm)

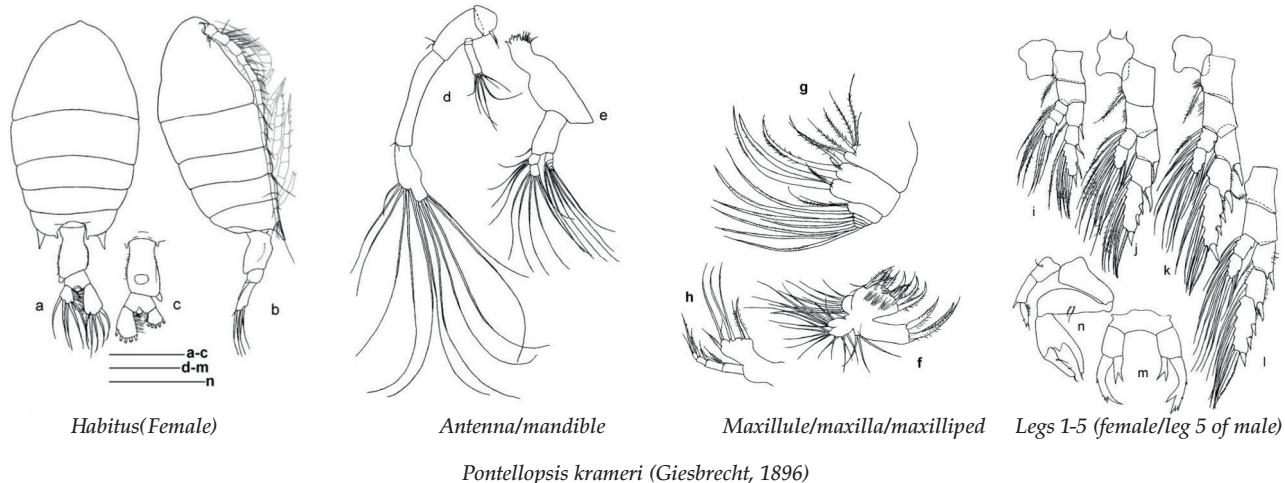


Pontellopsis krameri (Giesbrecht, 1896)

Mulyadi, 2000: Fig. 49. *Pontellopsis krameri* (Giesbrecht, 1896), Female. a. habitus (dorsal); b. posterior prosome and urosome (dorsal); c. leg 5. Male. d. habitus (dorsal); e. posterior prosome & urosome (dorsal); f. right antennule; g. right leg 5; h. left 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 25 2021].

Pontellopsis krameri (Giesbrecht, 1896)



Original. *Pontellopsis krameri* (Giesbrecht, 1896). *Pontellopsis krämeri* (Giesbrecht, 1889), Female, 2.00 mm, Taiwan Strait ($25^{\circ}41'N$, $120^{\circ}35'E$): a/b. habitus (dorsal/lateral); c. urosome, (ventral); Antenna/mandible. d. right antenna (posterior); e. right mandible (posterior); Maxillule/maxilla/maxilliped. f. left maxillule (posterior); g. right maxilla (posterior); h. right maxilliped (posterior); Legs 1–5. i-l. right legs 1–4 (posterior); m. leg 5 (posterior). Male, 1.96 mm: n. leg 5, posterior (from Silas and Pillai, 1976). Scales: a-c = 0.5 mm; d-m = 0.25 mm; n = 0.25 mm.

Pontellopsis laminata C.B. Wilson, 1950 (Size: female, 1.91–2.32 mm; 1.86–2.02 mm)

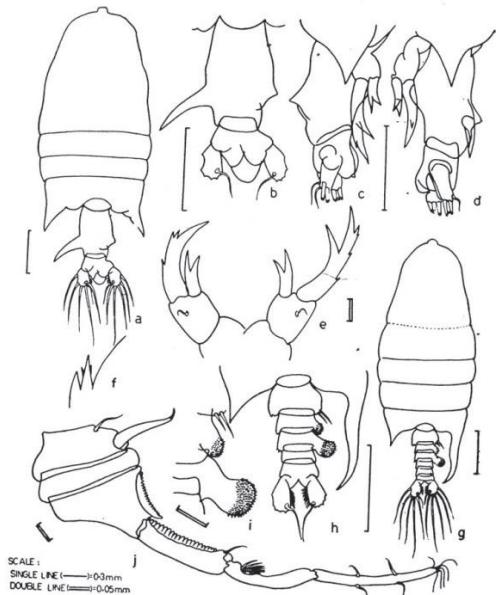


Fig. 1

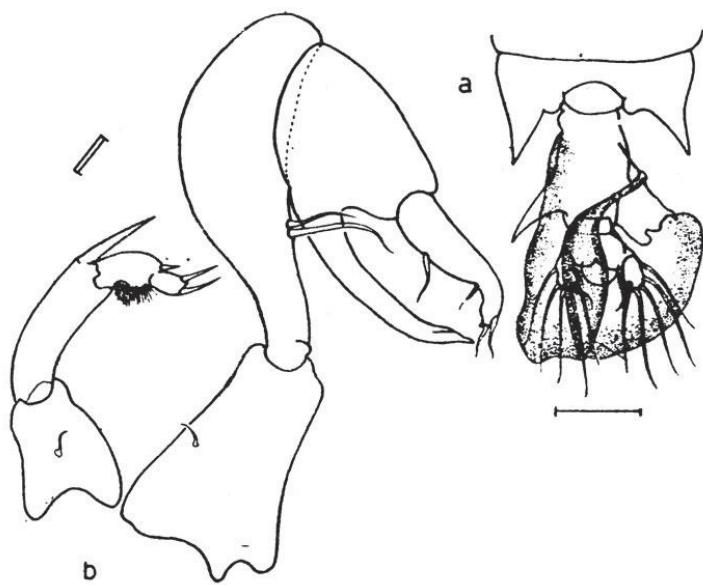


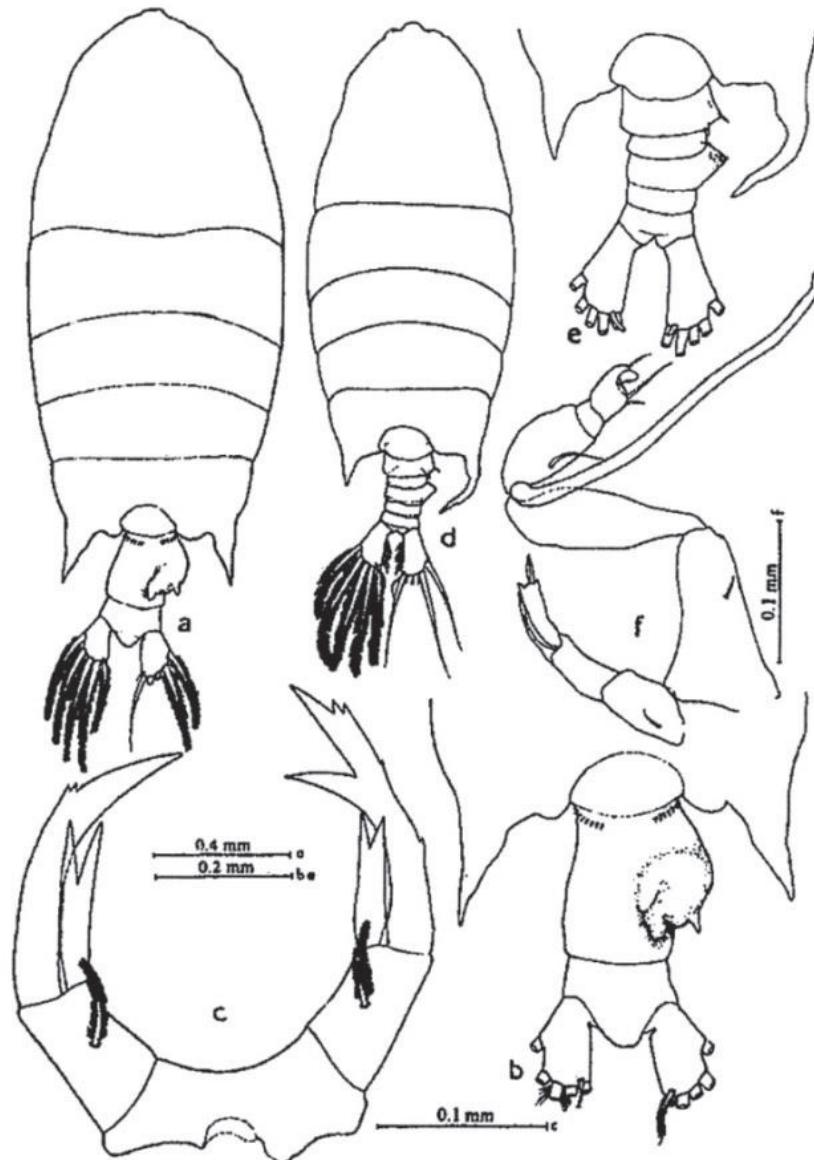
Fig. 2

Pontellopsis laminata C.B. Wilson, 1950

Pillai, 1977: figs. *Pontellopsis laminata* C.B. Wilson, 1950, Female. fig. 1. a. habitus (dorsal); b/c/d. urosome (dorsal/left lateral/right lateral); e. leg 5; f, distal outer marginal spine of leg 5 (enlarged). Male: g. habitus (dorsal); h. urosome (dorsal); i, right margin of urosomites 2 and 3 (enlarged); j. right antennule, distal segments. Fig. 2: Female: a. urosome with spermatophore sac and coupler sheath; Male. b. 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 25 2021].

Pontellopsis macronyx A. Scott, 1909 (Size: female, 1.68–2.10 mm; 1.55–1.80 mm)

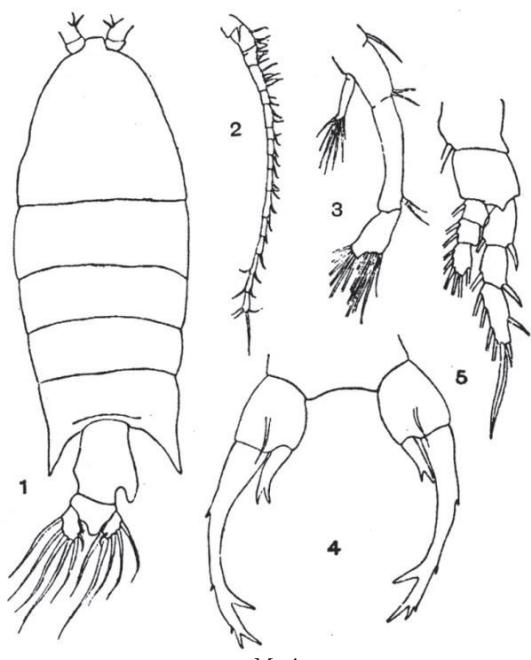


Pontellopsis macronyx A. Scott, 1909

Mulyadi, 2002: Fig. 50. *Pontellopsis macronyx* A. Scott, 1909, Female. a. habitus (dorsal); b. posterior prosome & urosome (dorsal); c. leg 5 (anterior). Male. d. habitus (dorsal); e. posterior prosome and urosome (dorsal); f. leg 5.

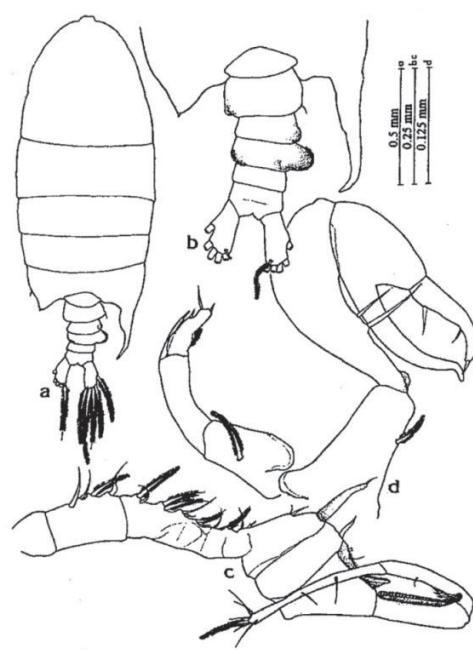
Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 25 2021].

Pontellopsis perspicax (Dana, 1849) (Size: female, 2.60–5.35 mm; 2.25–3.20 mm)



Mori

Pontellopsis perspicax (Dana, 1849)



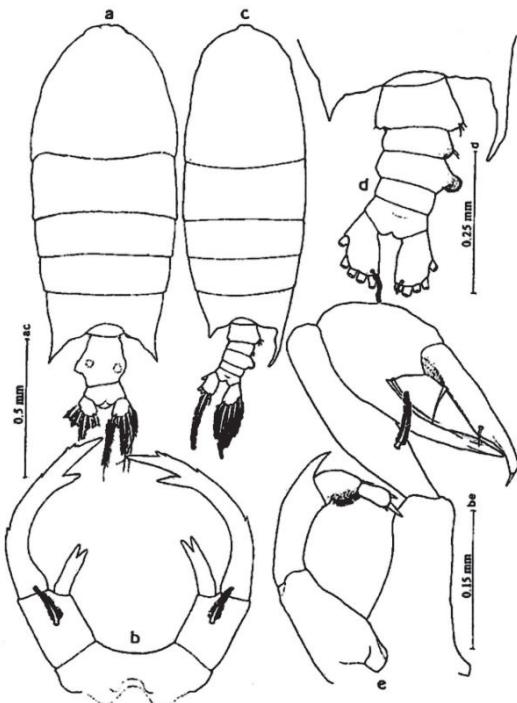
Mulyadi

Mori, 1937: pl. 46. *Pontellopsis macronyx* A. Scott, 1909, Female. 1, habitus (dorsal); 2. antennule; 3. antenna; 4. leg 5; 5. leg 1.

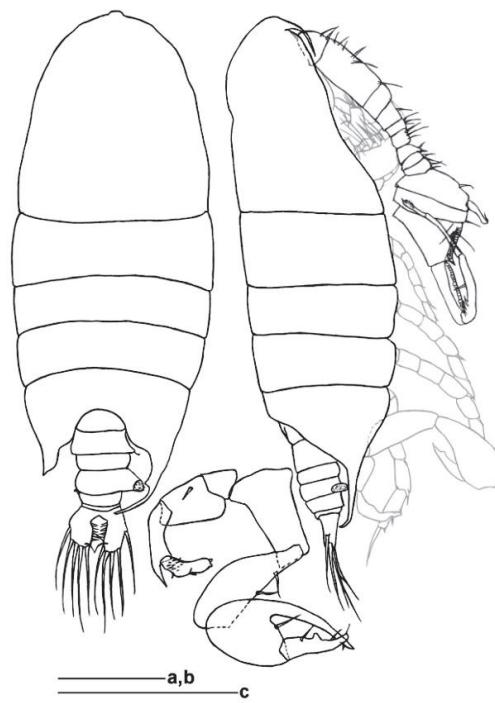
Mulyadi, 2000: Fig. 51. *Pontellopsis macronyx* A. Scott, 1909, Male. A. habitus (dorsal); b. Posterior prosome and urosome (dorsal); c. right antennule; d. leg 5 (anterior).

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 25 2021].

Pontellopsis regalis (Dana, 1849) (Size: female, 2.65–4.50 mm; 2.54–3.58 mm)



Mulyadi, 2002



Original

Pontellopsis regalis (Dana, 1849)

Mulyadi, 2002: Fig. 52. *Pontellopsis regalis* (Dana, 1849), Female. a. habitus (dorsal); b. leg 5. Male. c. habitus (dorsal); d. posterior prosome & urosome (dorsal); e. leg 5 (anterior).

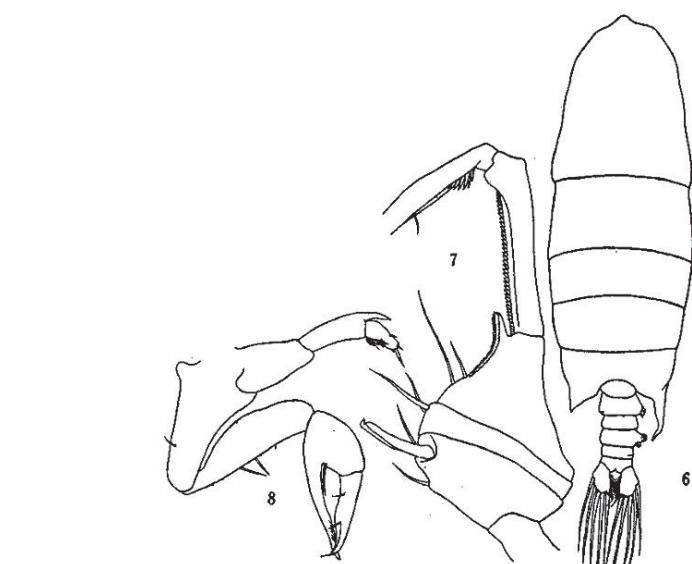
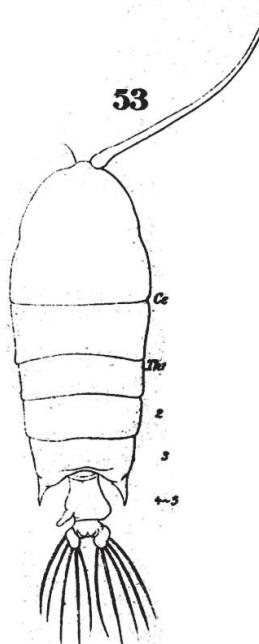
Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 26 2021].

Original. Male, 2.54 mm, Taiwan Strait. a/b. habitus (dorsal/lateral); c. leg 5 (posterior).

Pontellopsis strenua (Dana, 1849) (Size: female, 1.88–2.80 mm; 2.25–2.85 mm)



Giesbrecht, 1892



Chen & Zhang, 1965

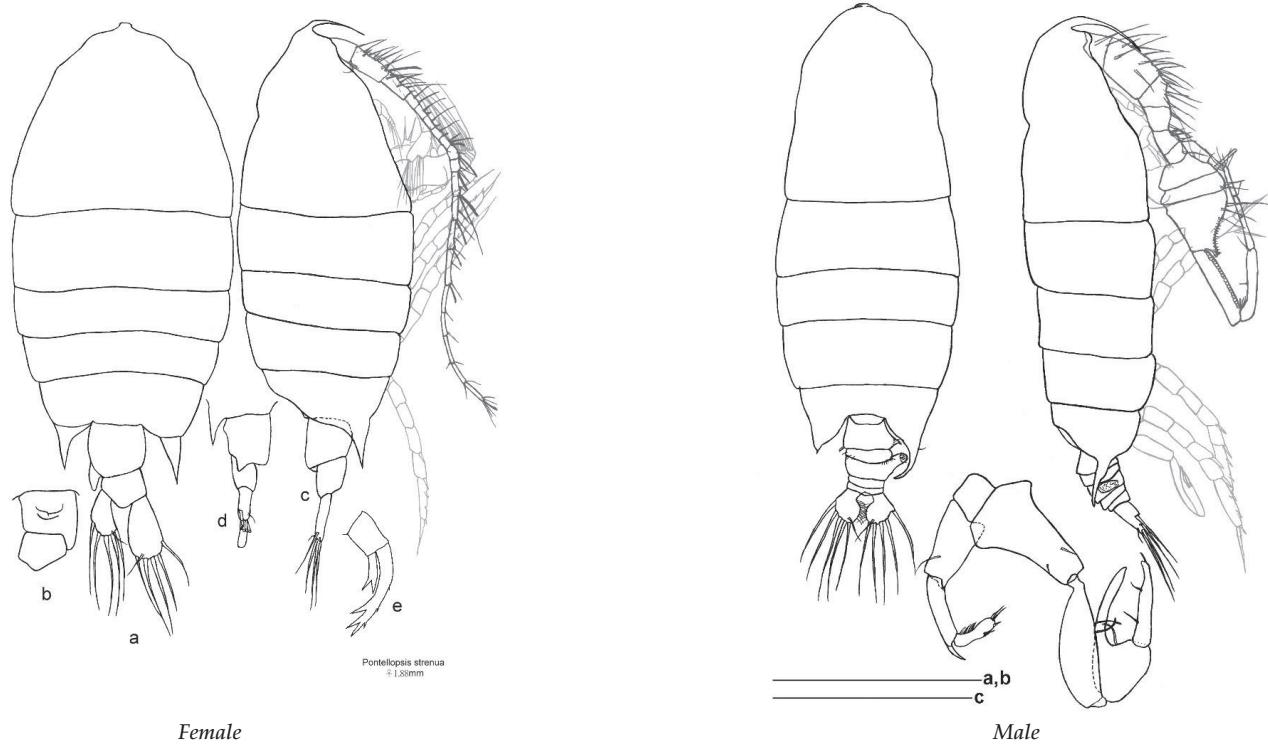
Pontellopsis strenua (Dana, 1849)

Giesbrecht, 1892: pl. 26. *Pontellopsis strenua* (Dana, 1849), Female. fig. 28.leg 5 (anterior). pl. 41, Fig. 53. Female habitus (dorsal).

Chen & Zhang, 1965: pl. 48. *Pontellopsis strenua* (Dana, 1849), Male (from East China Sea). 6. Habitus (dorsal); 7. Right antenna; 8. Leg 5 (anterior).

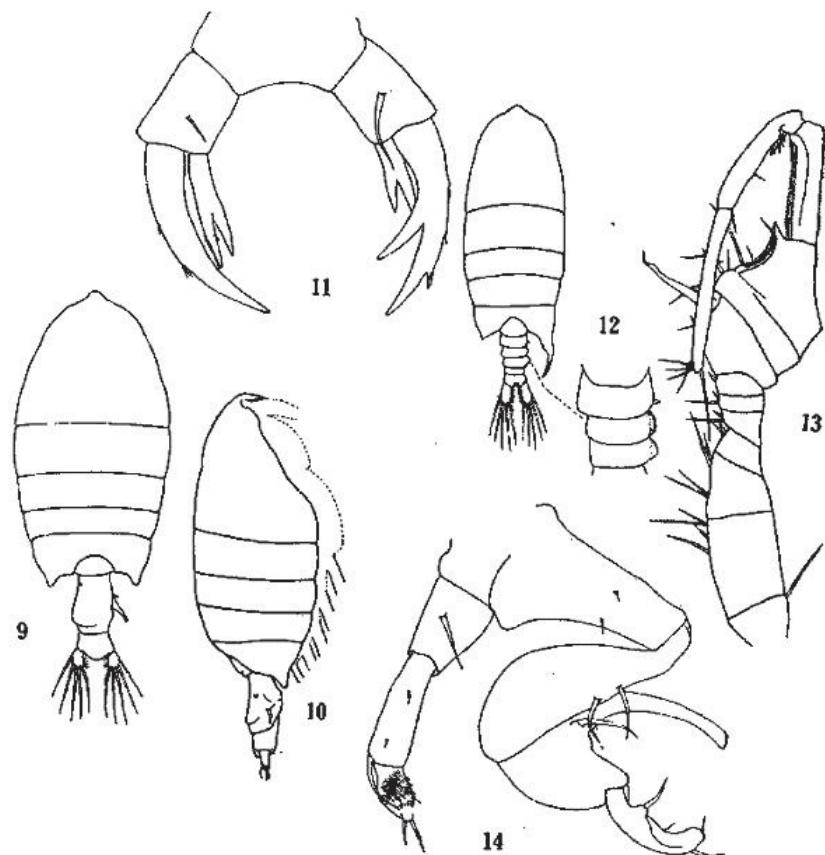
Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 26 2021].

Pontellopsis strenua (Dana, 1849)



Original. *Pontellopsis strenua* (Dana, 1849), Female, 2.13 mm: a. habitus (dorsal); b. urosome, (ventral); c. habitus (lateral); d. urosome (left lateral); e. left leg 5. Male, 2.48 mm. South China Sea: a/b. habitus (dorsal/lateral); c. leg 5 (posterior). Scales: a, b = 1 mm; c = 0.5 mm.

Pontellopsis tenuicauda (Giesbrecht, 1889) (Size: female, 1.55–2.30 mm; 1.35–1.74 mm)

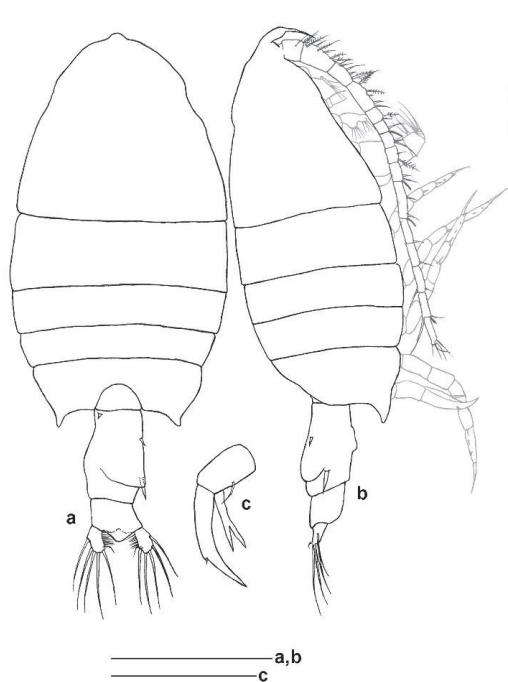


Pontellopsis tenuicauda (Giesbrecht, 1889)

Chen & Zhang, 1965: pl. 46. *Pontellopsis tenuicauda* (Giesbrecht, 1889), Female (from East China Sea). 9/10. habitus (dorsal/lateral); 11. Leg 5 (posterior). Male. 12. habitus (dorsal); 13. right antennule; 14. leg 5 (posterior).

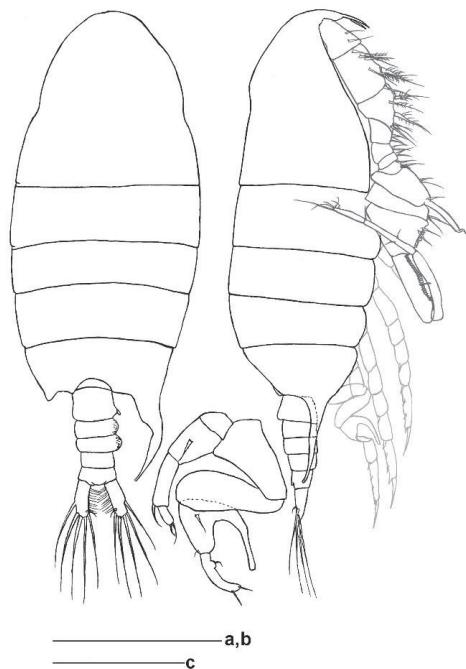
Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 26 2021].

Pontellopsis tenuicauda (Giesbrecht, 1889)



Female

Pontellopsis tenuicauda (Giesbrecht, 1889)



Male

Original. *Pontellopsis tenuicauda* (Giesbrecht, 1889), Female, 1.76 mm, South China Sea: a/b. habitus (dorsal/lateral); c. left leg 5 (posterior). Scales: a, b = 0.5 mm; c = 0.25 mm. Male, 1.50 mm, South China Sea (6°47'N, 112°43'E): a/b. habitus (dorsal/lateral); c. left leg 5 (posterior). Scales: a, b = 0.5 mm; c = 0.25 mm.

Pontellopsis villosa Brady, 1883 (Size: female, 1.95–3.00 mm; 1.80–2.83 mm)

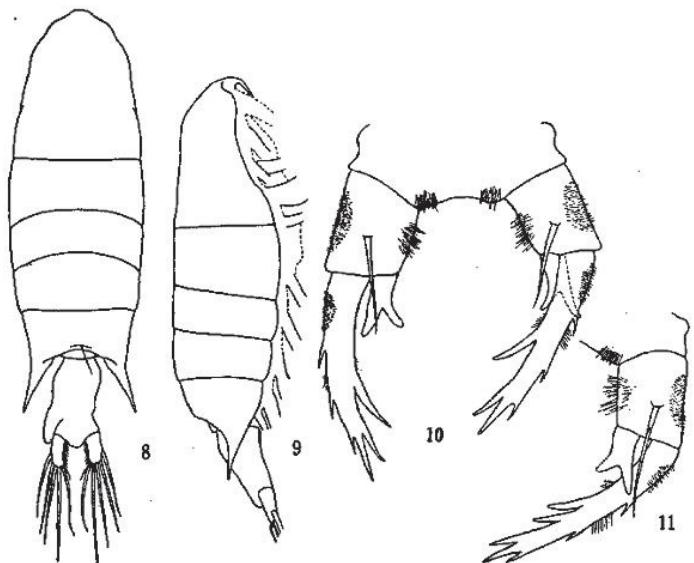


Plate 47

Pontellopsis villosa Brady, 1883

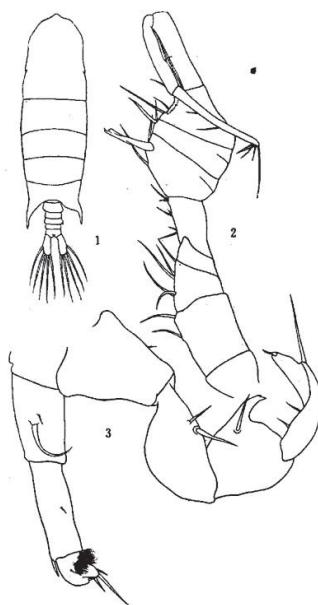
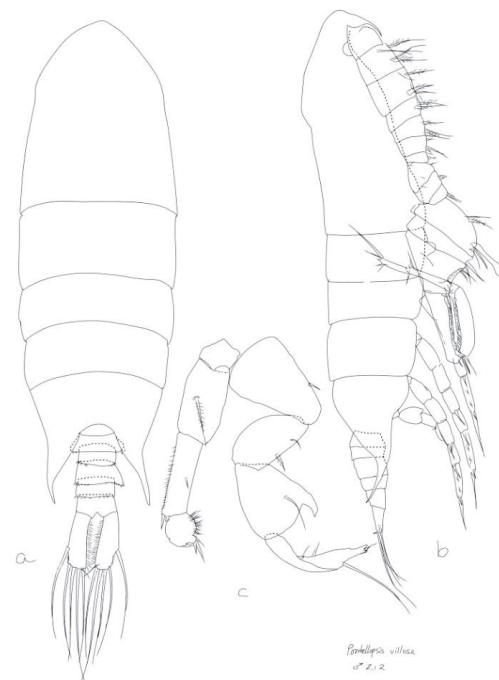


Plate 48

Q.-c Chen & S.-z. Zhang, 1965. *Pontellopsis villosa* Brady, 1883, Pl.47, Figs. 8–11: Female: 8, habitus (dorsal); 9, idem (lateral right side); 10, P5 (posterior); 11, right P5 (another specimen), posterior. Pl.48, Figs. 1–3: Male (from E China Sea): 1, habitus (dorsal); 2, right A1; 3, P5 (posterior).

Pontellopsis villosa Brady, 1883

Pontellopsis villosa Brady, 1883

Original. *Pontellopsis villosa* Brady, 1883, Male, 2.12 mm, East China Sea (28°N, 124°E): a/b. habitus (dorsal/lateral); c. leg 5.

Pontellopsis yamadae Mori, 1937 (Size: female, 2.24–2.87 mm; 2.05–2.50 mm)

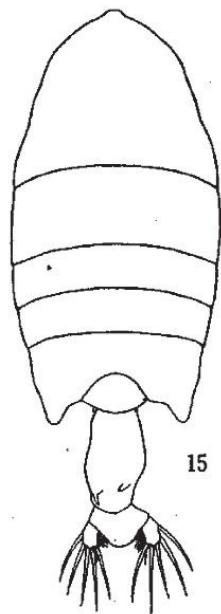
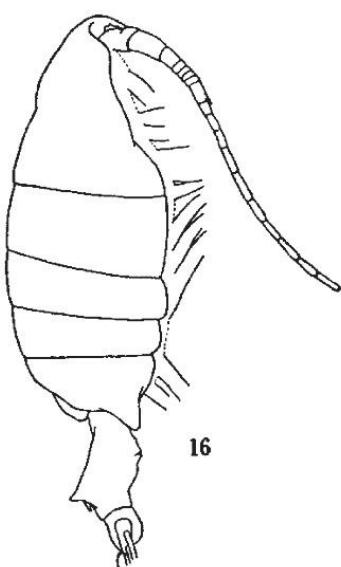


Plate 46



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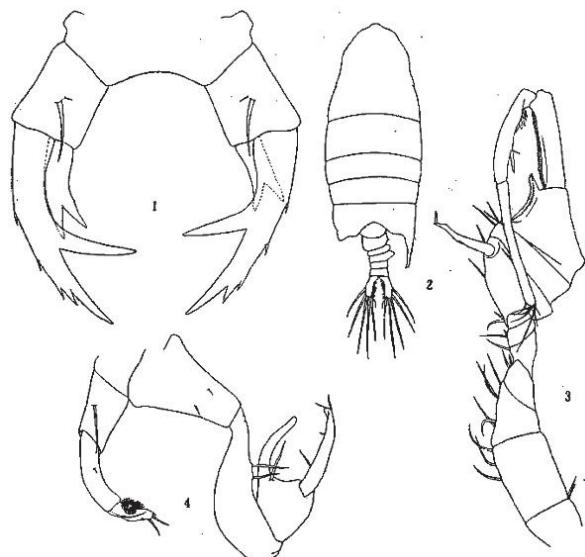
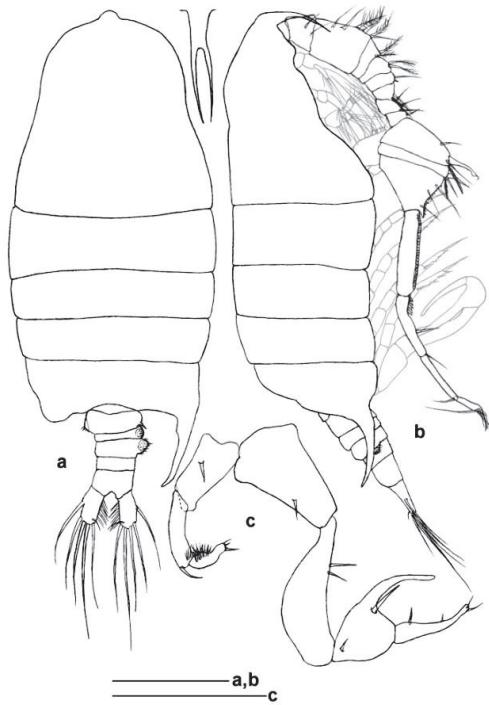


Plate 47

Pontellopsis yamadae Mori, 1937

Chen & Zhang, 1965: pl. 46. *Pontellopsis yamadae* Mori, 1937, Female. 15/16. habitus (dorsal/lateral). Pl. 47. Female (from East China Sea). 1. leg 5 (posterior). Male. 2. habitus (dorsal); 3. right antennule; 4. 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 26 2021].

Pontellopsis yamadae Mori, 1937

Pontellopsis yamadae Mori, 1937

Original. *Pontellopsis yamadae* Mori, 1937, Male, 2.28 mm, East China Sea (25°00'N, 123°10'E): a/b. habitus (dorsal/lateral); c. leg 5 (posterior). Scales: a, b = 0.5 mm; c = 0.5 mm.