



Key to the species of Calanidae Neocalanus occurring in the China Seas

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REVIEW-TAXONOMIC INDEX

Key to the Species of Calanidae *Neocalanus* Occurring in the China Seas

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Neocalanus cristatus (2a/4a/f), *gracilis* (3a/5a/f), *robustior* (3b/5b/f)

1a	Female	2
1b	Male	4
2a/1a	Anterior head with a shallow crest	<i>Neocalanus cristatus</i>
2b	Anterior head without crest	3
3a/2b	Antennule, when bent posteriorly, distal 6 segments exceeding distal margin of caudal rami. Leg 1: process at distal outer corner of endopod segment 1 insignificant; endopod segment 2 distal outer margin with an upward hooked process	<i>Neocalanus gracilis</i>
3b	Antennule, when bent posteriorly, distal 8 segments exceeding distal margin of caudal rami. Leg 1: process at distal outer corner of endopod segment 1 distinct; endopod segment 2 distal outer margin without hooked process	<i>Neocalanus robustior</i>
4a/1b	Anterior head with crest. Left leg 5: exopod 2-segmented. Total length longer than 5 mm	<i>Neocalanus cristatus</i>
4b	Anterior head without crest. Left leg 5: exopod 3-segmented. Total length shorter than 4 mm	5
5a/4b	Left Leg 5, endopod reaching or slightly exceeding distal border of exopod segment 1. Right leg 5, exopod reaching distal border	<i>Neocalanus gracilis</i>
5b	Left leg 5, endopod reaching midlength of exopod segment 1. Right exopod, nearly reaching midlength of left exopod segment 1	<i>Neocalanus robustior</i>

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Neocalanus cristatus (Kröyer, 1848) (Size: female, 7.60–10.40 mm; male, 6.76–9.60 mm)

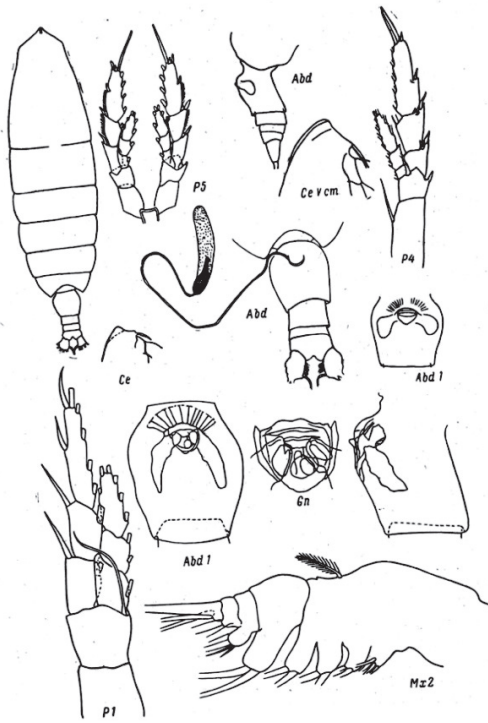


Fig. 77

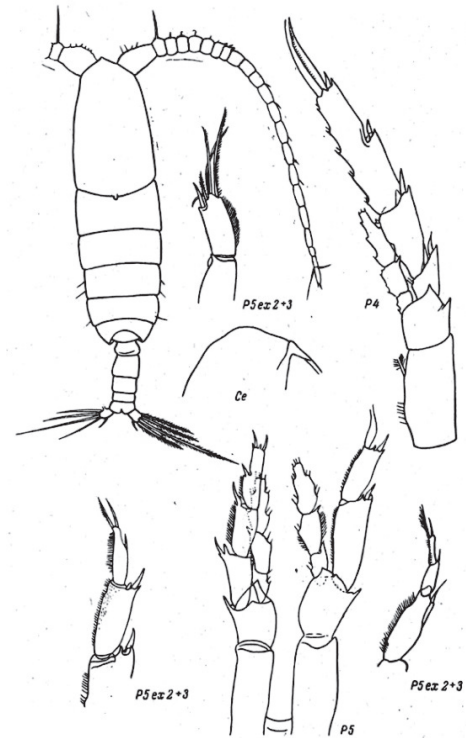


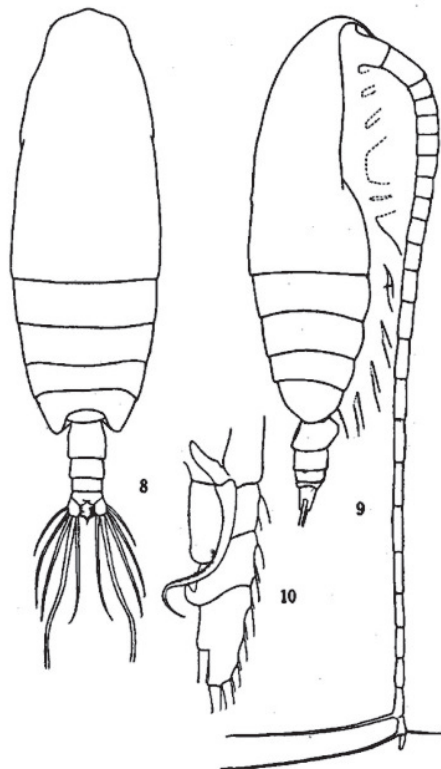
Fig.78

Neocalanus cristatus (Kröyer, 1848)

Brodsky et al., 1983: Fig. 77. Female. habitus (dorsal); abd. urosome (lateral/ventral); abd 1. genital double-somite; ce. forehead (lateral); Gn. genital field; mx2. maxilla; p1/4. Leg 1/4; p5, leg 5. Fig. 78. Male. habitus (dorsal); Ce. forehead (lateral); p4. leg 4; p5. leg 5 (posterior); P5 ex 2 + 3. Right leg 5, exopod segment 2&3 (anterior).

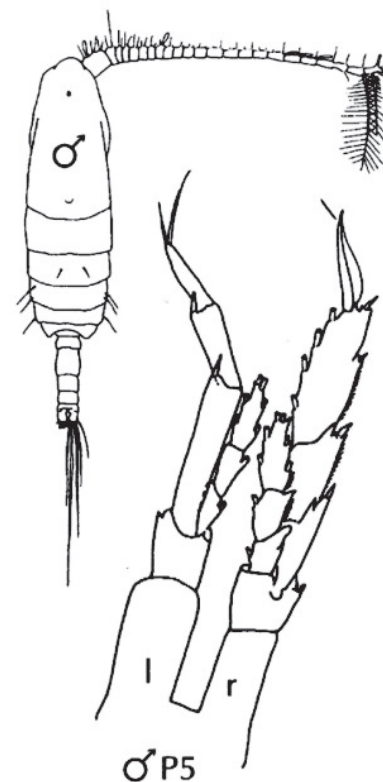
Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 27, 2021].

Neocalanus gracilis (Dana, 1852) (size: female, 1.80–4.44 mm; male, 1.60–3.40 mm)



Chen & Zhang, 1965

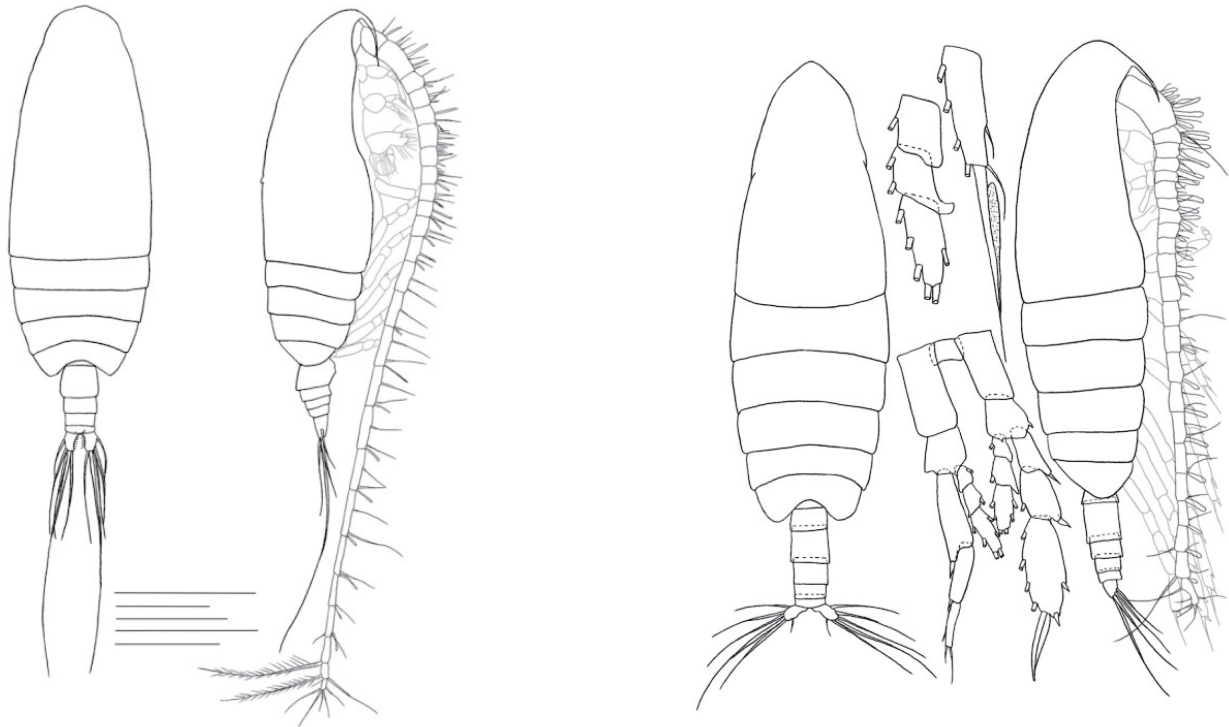
Neocalanus gracilis (Dana, 1852)



Bradford-Grieve et al., 1999

Chen & Zhang, 1965: pl. 1. *Neocalanus gracilis* (Dana, 1852), Female. 8/9. habitus (dorsal/lateral), 10. leg 1. Bradford-Grieve et al., 1999: Fig. 720. Male. habitus (dorsal); 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 27, 2021].

Neocalanus gracilis (Dana, 1852)

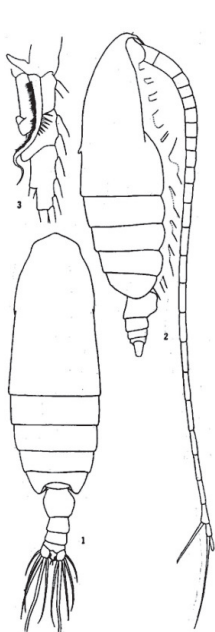
Female

Neocalanus gracilis (Dana, 1852)

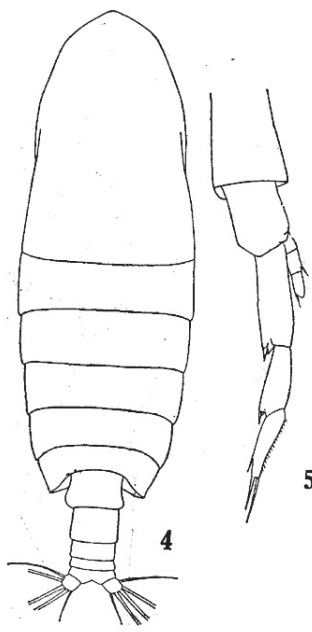
Male

Original. *Neocalanus gracilis* (Dana, 1852), **Female**, 3.16 mm, East China Sea (25°25'N 122°15'E): a/b. habitus (dorsal/lateral). **Male**, 2.48 mm, East China Sea (25°25'N 122°15'W): a/b. habitus (dorsal/lateral); c. endopod of right leg 1, posterior; d. exopod segment 3 of right leg 1, posterior; e. leg 5, posterior.

Neocalanus robustior (Giesbrecht, 1888) (Size: female, 3.00–4.65 mm; male, 2.52–3.60 mm)

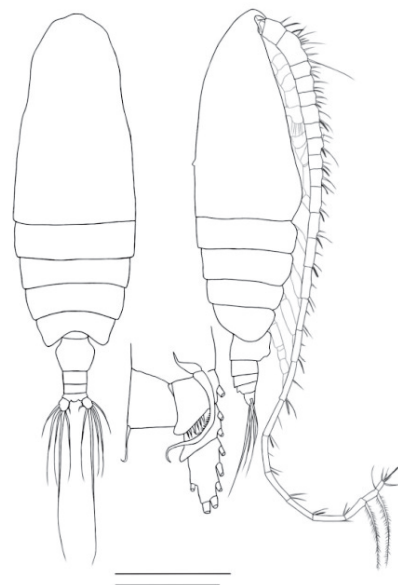


Chen & Zhang, 1965



Chen et al., 1974

Neocalanus robustior (Giesbrecht, 1888)



Original

Chen & Zhang, 1965: pl. 2. *Neocalanus robustior* (Giesbrecht, 1888), Female. 1/2. habitus (dorsal/lateral); 3. leg 1 (anterior).

Chen et al., 1974: pl. 1. Male. 4. habitus (dorsal); 5. left 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 27, 2021].

Original. *Neocalanus robustior* (Giesbrecht, 1888), Female, 3.44 mm, East of Taiwan (23°55.0'N 122°25.1'E): a/ b. habitus (dorsal/lateral); c. part of leg 1.