



Key to the species of Rhincalanidae Rhincalanus occurring in the China Seas

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REVIEW-TAXONOMIC INDEX

Key to the Species of Rhincalanidae *Rhincalanus* Occurring in the China Seas

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Rhincalanus gigas(2b/f), *nasutus*(2a/f), *rostrifrons*(1a/f) (*female only)

1a	Anterior cephalosome narrow and elongate, rostral filaments visible in dorsal view, anterior cephalosome and rostral filaments in dorsal view forming an anchor-like structure. Pedigers 2–4 with pair of spines on dorsal posterior margin in both sexes. Leg 5 of female uniramous and 3-segmented, without inner seta on segment 2, segment 3 with 1 strong distal spine and 1 inner distal seta, which being nearly twice as long as distal spine. Left leg 5 of male uniramous and 3 segmented; right leg 5 biramous, exopod 1-segmented with a terminal spine slightly longer than half-length of the segment, endopod 2-segmented..... <i>Rhincalanus rostrifrons</i>
1b	Anterior cephalosome cone-shaped, rostral filaments invisible in dorsal view. Leg 5 of female uniramous and 3-segmented, with an inner seta on segment 2, with 3 setae or 1 spine and 2 setae on segment 3. Leg 5 of male 3-segmented and uniramous on left and biramous on right; left leg segment 3 with curved terminal spine.....
2a/1b	Pedigerous somites 3 and 4, each with paired spinous processes dorsally on posterior margin. Leg 5 of female: segments 2 and 3 subequal in length, segment 2 with 1 spinule on outer margin, segment 3 with distal seta and 2 inner setae of more or less same length. Leg 5 of male lightly setosed, right leg endopod segment 1 subequal to segment 2 in length and twice as long as wide <i>Rhincalanus nasutus</i>
2b	Pedigerous somites 3 and 4 without spinous processes dorsally on posterior margin. Leg 5 of female: segment 2 shorter than segment 3, segment 3 with a spinule on outer margin, with a curved distal spine and 2 inner setae. Leg 5 of male heavily setosed, right endopod segment 1 longer than segment 2 and 2.5 times as long as wide <i>Rhincalanus gigas</i>

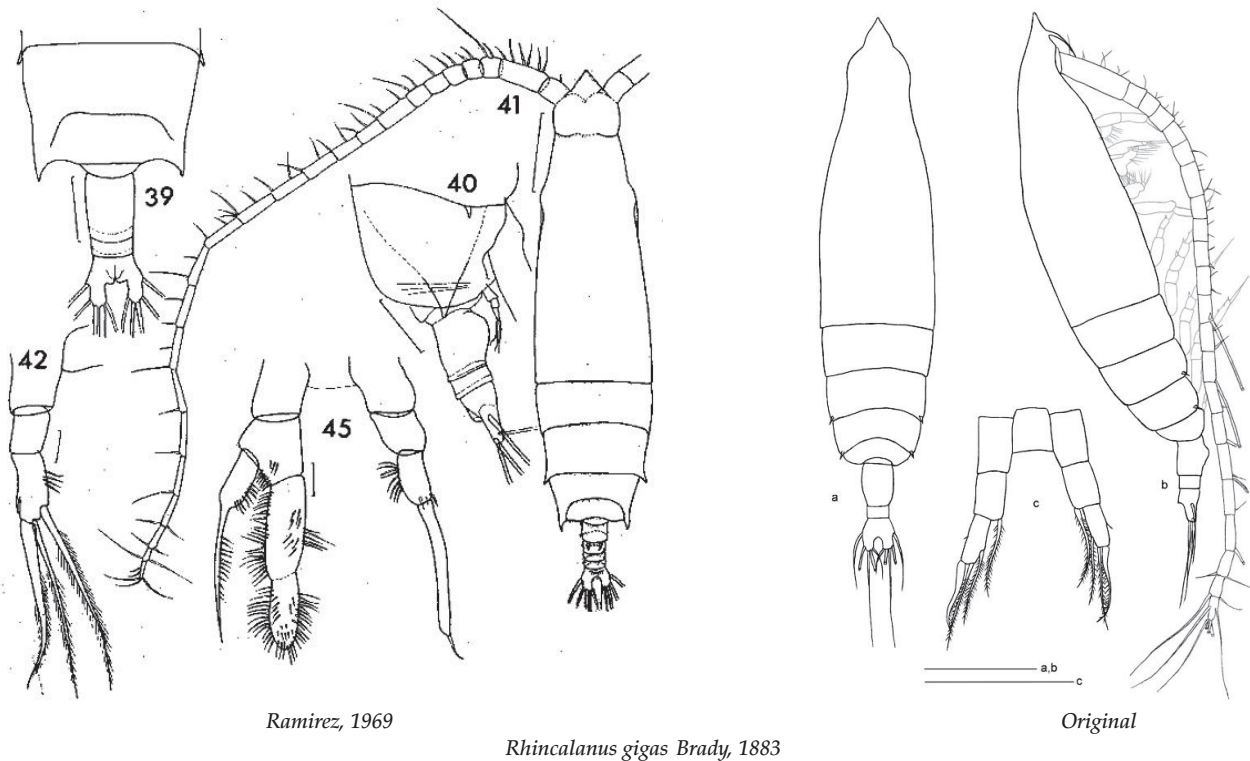
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Rhincalanus gigas Brady, 1883 (Size: female, 7.20–10.00 mm; male, 6.90–7.20 mm)

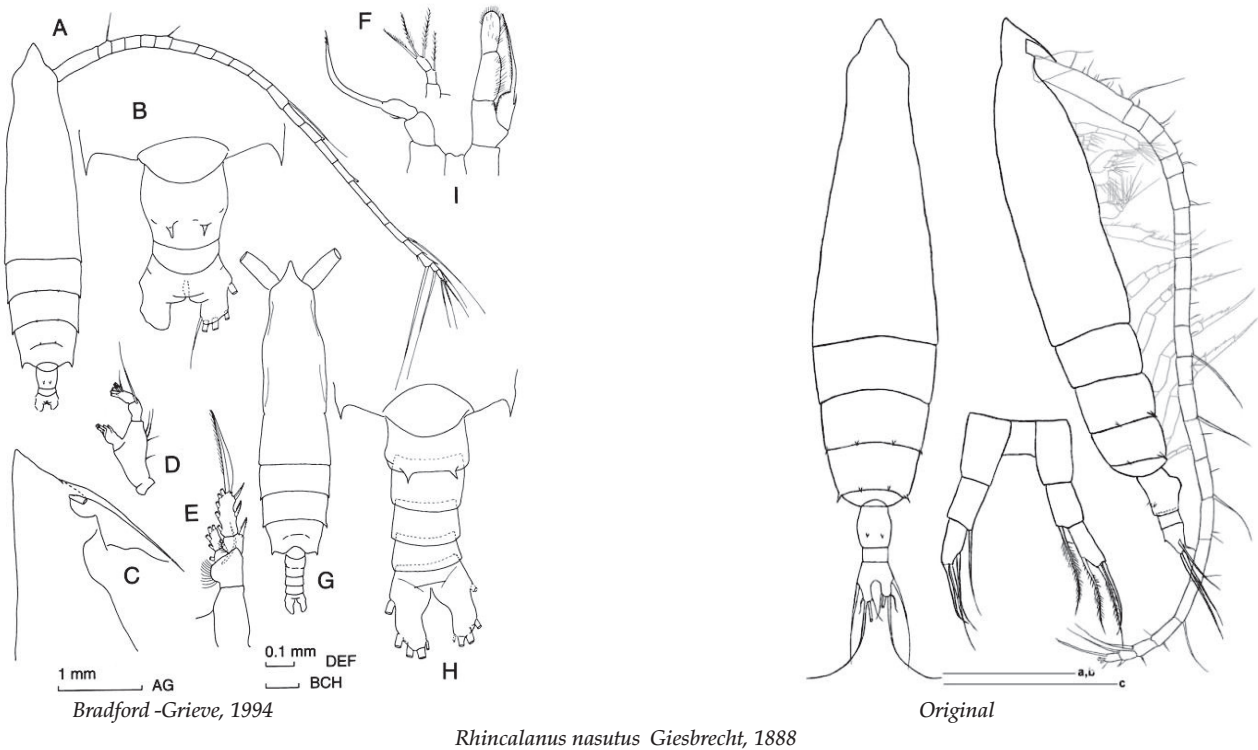


Ramirez, 1969: pl. 4. *Rhincalanus gigas* Brady, 1883, Female. 39/40. Posterior prosome & urosome (dorsal/lateral); 42. Leg 5. Juvenile male. Male, 41. Habitus (dorsal); 45. Leg 5 (anterior).

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 April 07, 2021].

Original. *Rhincalanus gigas* Brady, 1883, Female, 4.80 mm, Taiwan Strait (23°45'N, 119°56'E): a/b. habitus (dorsal/lateral); c. leg 5 (posterior). Scales: a, b = 1 mm; c = 0.25 mm.

Rhincalanus nasutus Giesbrecht, 1888 (Size: female, 2.80–6.10 mm; male, 2.70–4.50 mm)

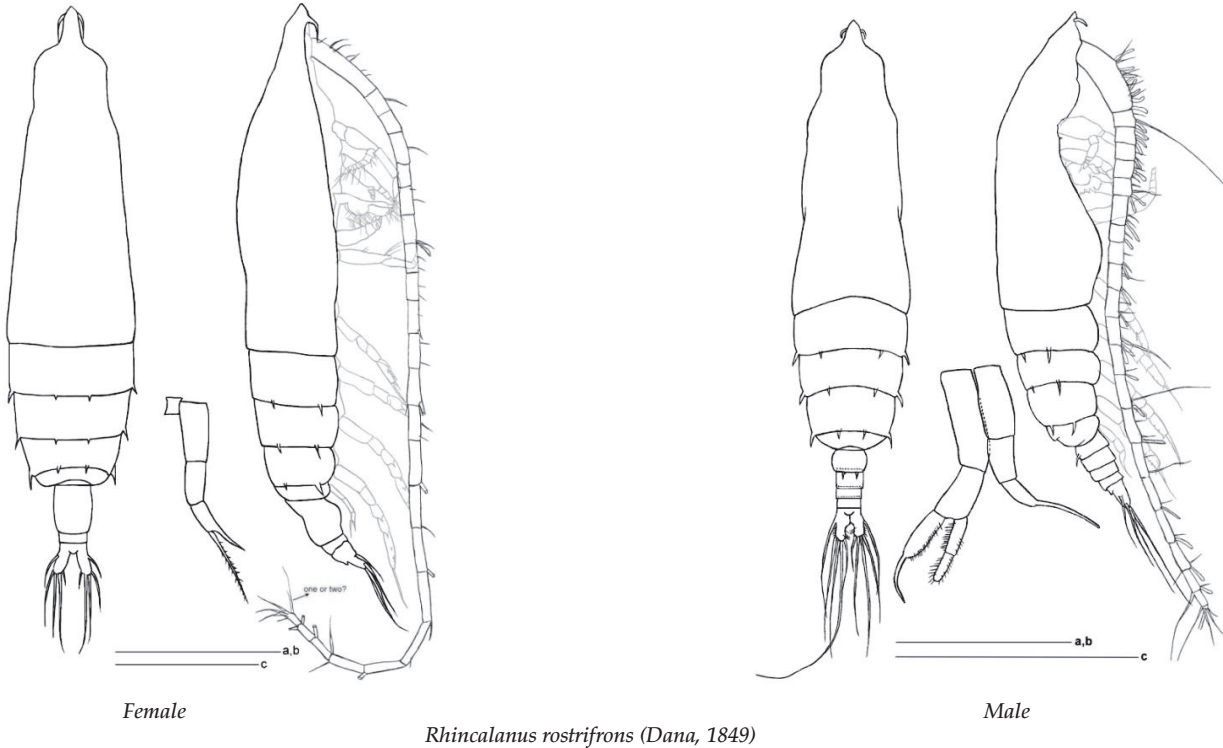


Bradford-Grieve, 1994: Fig. 46. *Rhincalanus nasutus* Giesbrecht, 1888, Female. A. habitus (dorsal); B. urosome (dorsal); C. forehead (lateral); D. mandible; E. leg 1; F. leg 5. Male. G. habitus (dorsal); H. urosome (dorsal); I. leg 5 (posterior).

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 April 07, 2021].

Original. *Rhincalanus nasutus* Giesbrecht, 1888, Female, 4.12 mm, Taiwan Strait (23°45'N, 119°56'E): a/b. habitus (dorsal/lateral); c. leg 5, posterior. Scales: a, b = 1 mm; c = 0.25 mm.

Rhincalanus rostrifrons (Dana, 1849) (Size: female, 2.41–3.80 mm; male, 2.40–2.95 mm)



Original. *Rhincalanus rostrifrons* (Dana, 1849), Female, 3.44 mm, East China Sea (23°57'N, 122°16'E): a/b. habitus (dorsal/lateral); c. leg 5 (posterior). Scales: a, b = 1 mm; c = 0.25 mm. Male, 2.92 mm, East of Taiwan (24°18'N, 121°46'E): a/b. habitus (dorsal/lateral); c. leg 5 (anterior). Scales: a, b = 1 mm; c = 0.5 mm.