
Erratus

Gonopod morphology and 16S mtDNA sequence alignment of the freshwater crabs *Sesarma bidentatum* and *S. ayatum* (Grapsidae: Sesarminae) from Jamaica

CHRISTOPH D. SCHUBART, JENS REIMER and RUDOLF DIESEL

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The recent description of the fifth Jamaican crab species from freshwater streams, *Sesarma ayatum* Schubart, Reimer & Diesel, 1998, suffered from two typesetting errors. Since these errors affect the interpretation and reading of the most important characters that distinguish this species from its closest relative, *Sesarma bidentatum* Benedict (1892) (gonopodal morphology and 16S mtDNA sequence), we here present a corrected version of one of the figures and the DNA alignment.

Christoph D. Schubart & Jens Reimer, Fakultät für Biologie I: VHF, Universität Bielefeld, Postfach 100131, 33501 Bielefeld, Germany

Rudolf Diesel, Max-Planck-Institut für Verhaltensphysiologie, Postfach 1564, 82305 Starnberg, Germany

Christoph D. Schubart, present address: Department of Biological Sciences, National University of Singapore, Kent Ridge Crescent, Singapore 119260.

Introduction

In a recent study published in this journal, we described a new crab species from mountain streams of eastern Jamaica, *Sesarma ayatum* Schubart, Reimer & Diesel, 1998. This description was based on morphological and molecular differences from *Sesarma bidentatum* Benedict, 1892, a species previously considered to inhabit all north-central and eastern Jamaica (Schubart *et al.* 1998). Unfortunately, the description of *Sesarma ayatum* was published with errors in one of the figure legends and the appendix. These errors alter the interpretation of decisive characters such as the gonopod morphology and DNA alignment of the mitochondrial 16S rRNA gene. We here present corrected versions of Fig. 4 and Appendix 2 of Schubart *et al.* (1998) as Fig. 1 and Appendix 1. The distribution of the two species, additional morphological characters that distinguish them, and all information on the material and

methods used are presented in detail by Schubart *et al.* (1998).

Acknowledgements

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References

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- Schubart, C. D., Reimer, J. & Diesel, R. (1998). Morphological and molecular evidence for a new endemic freshwater crab, *Sesarma ayatum* sp. n., (Grapsidae, Sesarminae) from eastern Jamaica. *Zoologica Scripta*, 27(4), 373–380.

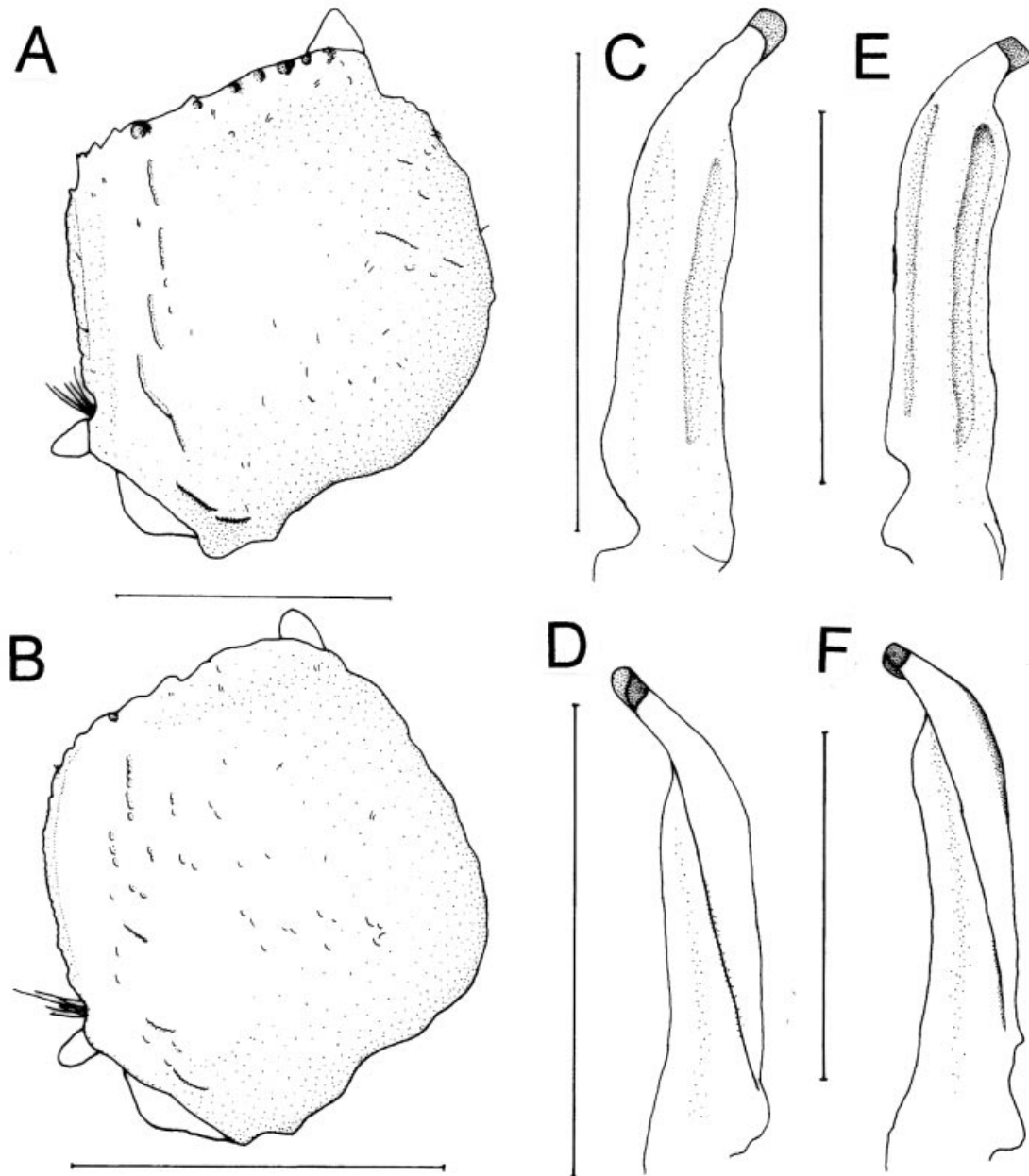


Fig. 1—A, C, D. *Sesarma ayatum* Schubart et al. 1998 male holotype (SMF 23715). —B, E, F. *Sesarma bidentatum* Benedict 1892 (SMF 23878). —A-B. Dorsal view of carpus of chelipeds. —C, E. Mesio-ventral view of left male gonopod. —D, F. Dorsal view of left male gonopod. All scale bars = 0.5 cm.

Appendix 1. Alignment of 526 basepairs of the 16S rRNA gene in seven haplotypes of *Sesarma ayatum* and *S. bidentatum*

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S. ayatum ht1      GTCTGTTGT AGATATAAAA AGTCTAACCT GCCCACTGAT AAA-TAAATT TTAATGGCCG CGGTATTCTG ACTGTGCAAA GGTAGCATAA TAGTTAGTTT
S. ayatum ht2      .....
S. ayatum ht3      .....
S. ayatum ht4      .....
S. bidentatum ht5  ..... ..G.....
S. bidentatum ht6  ..... ..G.....
S. bidentatum ht7  ..... ..G..... ..A...

S. ayatum ht1      CTTAATTGGA ATCTTGATG AATGGTTGA CAAGAAAAAA ACTGTCTCAC AAATTAATTA TTGAATTTAA CTTTAAAGTG AAAAGGCTTA AATAAATTA
S. ayatum ht2      .....
S. ayatum ht3      ..... G.....
S. ayatum ht4      ..... G.....
S. bidentatum ht5  ..... G..... G.G.....
S. bidentatum ht6  ..... G..... G.G.....
S. bidentatum ht7  ..... G..... G.G.....

S. ayatum ht1      AAAGACGATA AGACCCTATA AAGCTTAATA TTATTTTAT TATTTAATAA AATTTTTT-A AATATAAATA TTTAGTAATA ATTTATATTT TATTGGGGTG
S. ayatum ht2      ..... ..T.....
S. ayatum ht3      .....
S. ayatum ht4      ..... ..G.....
S. bidentatum ht5  ..... ..G..... ..G.....
S. bidentatum ht6  ..... ..G..... ..G.....
S. bidentatum ht7  ..... ..G.....

S. ayatum ht1      ATAATGATAA AATGATTATT AACTGTTAAT TGTTAAAAACA AAAATAAATG AATATAAAGA TTTTGATAAA TGATCCTGTA TTAGAGATTA AAAGTTTAAG
S. ayatum ht2      .....
S. ayatum ht3      .....
S. ayatum ht4      .....
S. bidentatum ht5  ..... ..T..... G.....
S. bidentatum ht6  ..... ..T..... G.....
S. bidentatum ht7  ..... ..T..... G.....

S. ayatum ht1      TTACTTTAGG GATAACAGCG TTATTTTTTT TGAGAGTTCT TATCGAAAAA AGAGTTTGCG ACCTCGATGT TGAATTAATA TATCTATATA ATTGTAGTAG
S. ayatum ht2      ..... ..?..... ..?? ?.....
S. ayatum ht3      .....
S. ayatum ht4      .....
S. bidentatum ht5  .....
S. bidentatum ht6  .....
S. bidentatum ht7  .....

S. ayatum ht1      TTATATAAGA AGGTCTGTTC GACC??
S. ayatum ht2      .....
S. ayatum ht3      ..... ..TT
S. ayatum ht4      .....
S. bidentatum ht5  ..... ..TT
S. bidentatum ht6  ..... ..TT
S. bidentatum ht7  ..... ..TT

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