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For molecular studies, new gene and protein sequences must be publically deposited (e.g. GenBank).

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**Monorchodus perforata** J. Jones & Q. Yang sp. nov.  
**Figs 1-4**

Description: Thallus prostrate, irregularly perforated, monostromatic, light red in colour, 3-6 cm in diameter; cells cuboidal, 4-6 μm; single parietal chloroplast with stalked pyrenoid; pyrenoid with starch cap; zoospores with two flagella of subequal length; longer (ca. 6 μm) anteriorly directed flagellum bearing tripartite tubular hairs, posteriorly directed flagellum smooth; nuclear-encoded SSU rRNA sequence = GenBank accession ABC12345.  
**HOLOTYPE:** XBT-1234, collected 25 July 2012, deposited in Gondwana National Museum (GNM).  
**TYPE LOCALITY:** 12° 34.567’ S 98° 76.543’ W, subtidal, attached to rocks; Tropical Island, Peru.  
**ETYMOLOGY:** perforata (Latin = pierced with holes) refers to the thallus that has scattered holes.

**DISCUSSION**

This section should evaluate the significance of the results with regard to the study purpose and within the context of related studies. Please do not repeat text provided in earlier sections.

**ACKNOWLEDGEMENTS**

Be brief and to the point (‘We thank . . .’).

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