First occurrence of Perkinsyllis San Martin, Lopez & Aguado, 2009 (Polychaeta: Syllidae) in Brazil, with descriptions of two new species

Abstract
Perkinsyllis is recorded for the first time in Brazilian waters with three species, two of which are new to science. Perkinsyllis longisetosa has unidentate dorsal simple chaetae, with coarse spinulation; bidentate blades of falcigers, with a rounded distal tooth and coarse spines; and spiniger-like dorsal-most compound chaetae. Perkinsyllis koolalyoides sp. nov. has dorsal simple chaetae unidentate on anterior-most chaetigers, bidentate to distally bifid on remaining chaetigers, with distal-most spine reaching beyond level of subdistal tooth; compound chaetae as falcigers with bidentate blades with long spines, distal-most spines reaching beyond the level of the subdistal tooth; spiniger-like chaetae absent. Perkinsyllis biota sp. nov. has dorsal simple chaetae unidentate on anterior-most chaetigers and distally bifid, with short spinulation on remaining chaetigers; bidentate blades of falcigers with long spines, distal-most spines reaching beyond level of subdistal tooth; and 1-5 spiniger-like dorsal-most compound chaetae, bidentate, with short spinulation. We present a key to all described species of Perkinsyllis, including an Australian species referred to this genus for the first time. (AU)