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Short Communication

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***Mytilus trossulus* and hybrid (*M. edulis*-*M. trossulus*) - new hosts organisms for pathogenic microalgae *Coccomyxa* sp. from the Estuary and the northwestern Gulf of St. Lawrence, Canada**

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Abstract

During summer 2014-2017, wild mytilid mussels, highly infested with the pathogenic *Coccomyxa*-like microalgae, were collected along the Estuary and northwestern part of Gulf of St. Lawrence (Québec, Canada). Molecular identification showed that algae can be assigned to a single taxon, *Coccomyxa* sp. (KJ372210), whereas hosts are represented by *Mytilus edulis*, *M. trossulus* and hybrid between these two species. This is the first record of *M. trossulus* and hybrid among hosts of this pathogenic alga. Our results are indicative of a possible widespread distribution of *Coccomyxa* sp. in the Lower St. Lawrence Estuary and along coastal waters of Canadian Maritime provinces.

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