

Early Miocene aequipectinin bivalves of the Pirabas Formation of the Pará State, northeastern Brazil


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A taxonomic revision of the Tribe Aequipectini from the upper Burdigalian, Lower Miocene Pirabas Formation in Brazil) resulted in an identification of *Leptopecten daideleus* comb. nov., *Perapecten tetristriatus* and description of *Iemanjavola monlafertei* gen. et sp. nov. The genus *Perapecten* is re-validated, *P. tetristriatus* being the first fossil representative of the genus, extending it back to the Early Miocene of the western Atlantic Ocean and Middle Miocene–Pliocene *Perapecten scabrellus* from the Mediterranean Sea/Central Paratethys is included into *Perapecten*. We also reported the oldest record of *Leptopecten*, which along with *Perapecten*, seem to have originated in the Early Miocene tropical region of the western Atlantic Ocean. *Leptopecten* dispersed during the Middle or Late Miocene to the eastern Pacific through the Central American Seaway, while *Perapecten* spread across the North Atlantic into Europe via the Circumtropical Current and the Gulf Stream/North Atlantic Drift.

Key words: Bivalvia, Pectinidae, *Leptopecten*, *Perapecten*, *Iemanjavola*, Central American Seaway, ocean currents, Miocene, Pirabas Formation, Brazil.

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