

研究業績 英文表記

和文	
表題	硬骨魚類における体節以外の周期的構造 —体節性だけでは脊椎動物のボディープランを説明できない—
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英文	
Title	Repeating structure other than somites in teleosts. –Somites alone do not explain the vertebrate body plan-
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Abstract	The body plan of vertebrates, including humans, is explained in a segmental manner, however there are some parts that cannot be explained in a segmental manner. In this study, we observed periodic structures other than body segments, using teleosts such as sardine and killifish. The spine – pterygophores – fin rays did not have a one – one correspondence. These structures are located in the connective tissue in the midline of the trunk, therefore it is thought that they do not disturb the arrangement of segmental muscles, even if they do not show the same periodicity as body segments. In arthropods, the somites are the only periodic structure, but in vertebrates, some other periodic structures, such as median fin and pterydophore which support median fin, abdominal ribs and branchial arch. It can be said the body plan of vertebrates is based on the multiple periodic structure .
keyword	teleost, segments, spines, pterygophore, fin ray

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