

miR-206 is required for changes in cell adhesion that drive muscle cell morphogenesis in *Xenopus laevis*

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morphogenesis in *Xenopus laevis***

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Key words: miR-206, somite, muscle, morphogenesis, β -dystroglycan, *Xenopus laevis*

Short title: The role of miR-206 in *Xenopus laevis* somitogenesis

Highlights:

- miR-206 is required for *X. laevis* somitogenesis
- miR-206 is required for muscle cell elongation and cell attachment to the intersomitic boundaries.
- miR-206 is required for the formation of regularly spaced intersomitic boundaries.

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