



Experimental evidence for rapid genomic adaptation to a new niche in an adaptive radiation

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How quickly can organisms adapt to a new habitat? To answer this question, Tom Reimchen from the University of Victoria, Canada, set up a selection experiment in 1993 and let three-spined sticklebacks from a large lake evolve in a small pond for 19 years.

Analyses by David Marques at Eawag / University of Bern, which have just been published in Nature Ecology & Evolution, now show that natural selection has led to very rapid and predictable adaptations in genes responsible for enemy defence, body colouration and colour vision.

Related Links

Behind the paper

Contact



David Alexander Marques

Tel. +41 58 765 6812

davidalexander.marques@eawag.ch

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