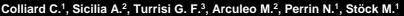


Differential mtDNA and nuclear introgression in two deeply diverged green toad taxa in a hybrid zone in Sicily



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INTRODUCTION

One of the key questions in evolutionary biology is the amount and speed of reproductive isolation accumulating in allopatric speciation (Coyne & Orr 2004). After phylogeographical analyses, a potential secondary contact zone in Sicily between endemic *Bufo siculus* and Italian Peninsular-origin *B. balearicus* was predicted (Stöck *et al.* 2006, 2008). *B. siculus* is phylogenetically closer to North African *B. boulengeri* than to neighbouring *B. balearicus* (Stöck *et al.* 2006), and *B. balearicus* has been separated ca. 2.75 (1.19-4.9) My from the *boulengeri-siculus* clade (Stöck *et al.* 2008). The aim of the study was to analyse whether both taxa meet each other in Sicily, and, if so whether they would hybridize, and what structure does have the potential hybrid zone.



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