Reviewer Report

Title: **Divergent evolution in the genomes of closely-related lacertids, Lacerta viridis and L. bilineata and implications for speciation**

Version: **Revision 1** **Date:** 10/28/2018

Reviewer name: **Anthony Geneva**

Reviewer Comments to Author:

Kolora and colleagues have performed extensive revisions to their manuscript "Divergent evolution in the genomes of closely-related lacertids, Lacerta viridis and L. bilineata and implications for speciation". In my opinion, the revisions made to the text have improved the clarity of the manuscript. New and improved analyses performed by the authors have changed the inferences concerning effective population size and the direction of introgression between these species. Finally, potential relationships between divergence observed and the evolution of reproductive isolation have been appropriately (in my view) framed as hypotheses to be tested. Nearly all reviewer comments have been addressed by these changes. I suggest only a few minor changes below.

Line 140: "since" seems out of place in the sentence
Line 221: "our estimate of the split between L. viridis and L. bilineata corresponds to 1.15 Mya and 20.37 Mya respectively (Table S8)." Add comma before respectively
Line 413: "Animals were captures" should be "Animals were captured"

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