Reviewer’s report

Title: Effect of hypothyroidism on the hypothalamic-pituitary-ovarian axis and reproductive function of pregnant rats

Version: 2 Date: 28 Jan 2018

Reviewer: Miguel Goncalves

Reviewer's report:
I am not familiar with Student-Newman-Keuls (SNK) method and it would be good if the authors either referenced or explained in the methods section why this test is adequate for this data.

I appreciate the inclusion of the SNK test as it considers a series of null hypotheses rather than just one. However, it only does this within each ANOVA and doesn't do it across multiple ANOVAs that are being ran with the same data. Again, I think the authors need to address this in the manuscript.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.
Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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I am able to assess the statistics

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