October 28, 2019

Dear Editor,

I am grateful for the opportunity to revise my manuscript before it is accepted for publication. Below I provide the point-to-point responses to address the three final comments from the 3rd reviewer.

*Reviewer: 3*

*Comments to the Author*

*My previous comments were well addressed by the author. I have only a few minor comments:*

*1, in the ‘Methods’ section, “Main categories of functions of scGEAToolbox” -> “The main categories of functions of scGEAToolbox”*.

Done.

*2, Line 28 page 2, the authors mentioned ‘It contains the main panel with multiple tabs, namely Load Data, Filter …’. I would suggest the authors refer here to a supplementary figure showing the interface of the GUI*.

I added Supplementary Fig. S1 showing the interface of the GUI as the reviewer suggested.

*3, One example of the new feature selection methods for scRNA-seq data can be found in the paper (Townes et al, Feature Selection and Dimension Reduction for Single Cell RNA-Seq based on a Multinomial Model, https://doi.org/10.1101/574574). The authors may consider adding or at least discussing it*.

I developed the function run\_glmpca.m and included it in the toolbox. I also added the citation the reviewer suggested as follows:

(Townes, et al., 2019)

Townes, F.W.*, et al.* Feature Selection and Dimension Reduction for Single Cell RNA-Seq based on a Multinomial Model. 2019:574574.

Again, I appreciate these constructive comments. Thank you and all the reviewers for taking the time and energy to help me improve my paper.

Sincerely,



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