Reviewer’s report

Title: An iteration normalization and test method for differential expression analysis of RNA-seq data

Version: 1 Date: 17 January 2014

Reviewer: Jason Moore

Reviewer’s report:

This is a well-written paper that provides some new methods for normalizing RNA-seq data. The following are some suggestions for improving the paper.

Major Compulsory Revisions

1) The paper could be improved by identifying at least one biological insight that can be highlighted and discusses. The results are interesting from an RNA-seq analysis point of view. However, it would be nice to know if you found something new in the real data you analyzed. How will this help biologists doing RNA-seq analysis? You might consider adding a paragraph to section 4 and perhaps a paragraph to the conclusions.

Minor Essential Revisions

1) There are a lot of figures. Can some of these be included as supplementary material?

2) Please provide additional details about your software and how it can be accessed.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests