MICHIGAN STATE
U N I V E R S I T Y

June 19th, 2012

Dear Editors,

We thank the editor and reviewers for their time in reviewing our revisions.

In response to the third reviewer's request to appropriately emphasize the inexact nature of the graph storage and its consequences,

1. We appended "albeit inexact" to the 3rd sentence of the abstract to further stress the inexact nature of the graph storage data structure.

2. Regarding Figure 1, we clarified that the original circular structure is the 1,031bp sequence and the false positive k-mers are what elaborate with an increasing false positive rate.

3. The false positive k-mer statement was moved to the previous paragraph.

4. Finally, we added a sentence in the introduction to note that while in fact many false k-mers do exist, they are only relevant when they connect to a k-mer from the original dataset.

We hope that these satisfy Reviewer #3's concerns.

In addition, note that we changed the URL for the source code to our new archival location (github.com/ged-lab/) in the Materials section.

COLLEGE OF ENGINEERING

We again thank the editor and reviewers for their time and thoughtful comments and suggestions.

Department of Computer Science and Engineering

Sincerely,

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C. Titus Brown, for the authors.

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