Reviewer Report

Title: Efficient Real-Time Selective Genome Sequencing on Resource-Constrained Devices

Version: Revision 1 Date: 5/6/2023

Reviewer name: Daichi Fujiki

Reviewer Comments to Author:

I would like to thank the authors for their detailed responses and clarifications to my comments and questions. There still appear to be some fundamental limitations to the authors' approach; however, as a manuscript submitted as a technical note, I appreciate the effort they have put into implementing and open-sourcing the hw/sw co-designed system, which I believe has the potential to generate new research ideas for our community. The revision that compares the proposed design with other alternatives should also help readers understand the merits. One follow-up comment to the revised manuscript: It would be beneficial if the authors can clarify how they obtained the accuracy numbers in Figures 7 and 9. Since using events is shown to reduce the accuracy of mapping, I am not sure there will be a 99% similarity in output (fig.7) for a long reference.

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