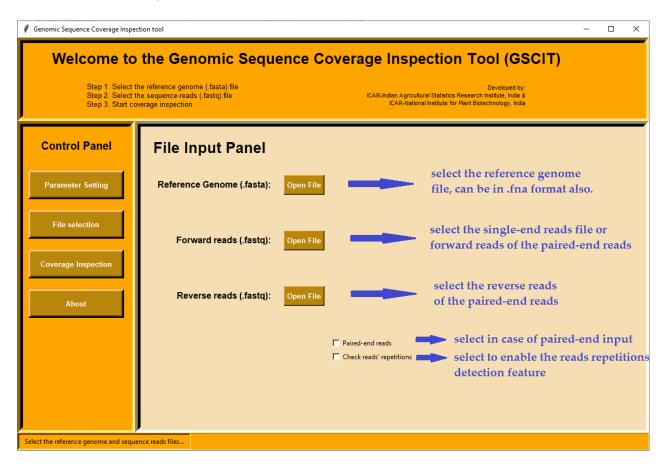
GSCIT user manual

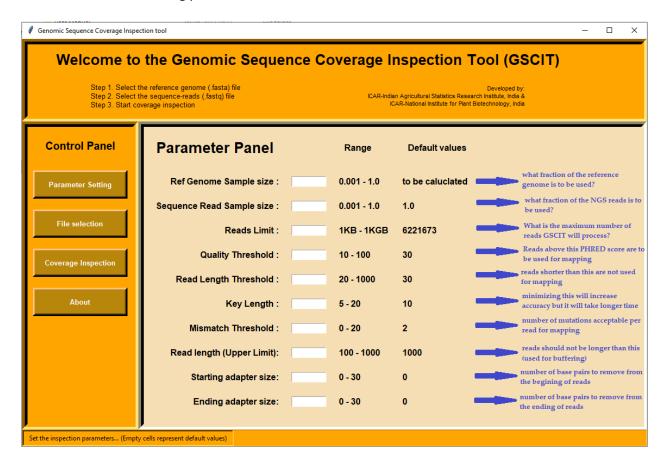
The GSCIT software is designed to estimate the coverage depth and breadth and for quality-profiling of the sequenced reads quickly. GSCIT is a platform-independent software implementing a novel Hash Table-based mapping algorithm in addition to various other prominent reads-profiling functionalities. The tool's coverage-indicating metrics provide novel insights regarding the input data with a user-friendly interface. In addition, the software does not need user-parameter tuning, as the artificial intelligence-based modules calculate multiple parameters on their own on run-time, which keeps the software from crashing while processing large genomes and limits the processing time. Once clicked the software may take 20-30 seconds to show up, depending upon the computer's configuration. For each execution run, the software creates a new folder in the directory the software is running. The graphs, plots, and output logs are stored in the same folder. For any query contact at samarth.godara@gmail.com.

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- 1. GSCIT Panels
 - a. File Selection panel



b. Parameter Setting panel



c. Coverage Inspection panel

