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Data Analysis:

1. File created
2. Result:
  - a. Number of vertices in graph: 9980
  - b. Number of edges in graph: 9980
3. File created
4. Result
  - a. Number of vertices in graph: 72324
  - b. Number of edges in graph: 74974
5. The numbers of edges/vertices are different between these two simulations because, in the first simulation, the reads are generated without any errors. On the other hand, in the second simulation, errors are introduced, which causes variations in the reads that may not accurately reflect the original DNA sequence.