

Peer Review Summary

Date: October 27, 2025

Reviewer Model: Claude 3.7 Sonnet

Manuscript: "DNA Microarrays and Sequencers" by Montgomery, R.M.

Summary: This comprehensive chapter offers a detailed examination of DNA microarray and next-generation sequencing technologies, providing thorough mathematical frameworks, comparative analyses, and practical Python implementations. The manuscript demonstrates exceptional technical rigor in explaining data analysis methodologies and visualization approaches. While the content is scientifically sound and educationally valuable, the manuscript would benefit from updated references, more concise presentation of code sections, expanded coverage of recent innovations like single-cell technologies, and stronger ethical considerations discussion.

Verdict: Accept with Minor Revisions