Team Contribution Statement- Group 6

Group Members:

Trinity Ho
Dongwan Kim
Robert Craig Wallace
Priscilla Vaskez

Trinity Ho

Worked on the brute-force implementation, created timing graphs, incorporated recursive TST and iterative TST approaches, ran time experiments, and contributed to testing both algorithms. Testing scripts with human genome. Contributed to the README file. Also helped locate biological datasets and use-case examples, gathered images for the presentation, and assisted with slides and script preparation.

Dongwan Kim

Contributed to implementing the recursive and iterative TST, helped determine time and space complexity, and located biological datasets for testing. Assisted with reviewing test correctness of the code. Assisted in putting the recording together. Also helped assemble and revise the slide deck.

Robert Craig Wallace

Wrote the TST Python code and comments, Implemented parts of the brute-force search, organized the Conda environment and Makefile, and contributed to runtime benchmarking. Helped test correctness of both implementations and assisted in creating comparison graphs, contributed slides to the presentation.

Priscilla Vaskez

Implemented *E. coli* testing scripts, ran timing experiments, and generated performance figures. Wrote the testing script to test *E. coli* for brute force and TST. Wrote sections of the README, added explanatory comments to both TST and brute force, and gathered biological datasets and use case examples. Contributed presentation images, literature examples, and collaborated on the slide deck and video narration.

Team Collaboration:

All team members participated in:

- Project Planning and meetings
- Code review and contributions
- Preparing the final presentation