Project 5 Report

1. No known bugs or problems.

2. All functions satisfy big-O requirements.

3. Descriptions for:

find()

Uses findHelper for recursion

findHelper:

Recursively go through the nodes

For each child,

If not exact matches are allowed, then use label on a wrong node and recurse in that subtrie

if only exact matches, recurse in that subtrie

findGenomesWithThisDNA()

Search the Trie for matches with the fragment

For each fragment,

use a hash map to check if the next positions match/match with one error

if length is more than min required, then add to matches

// my implementation finds max with another hash map

Add the best matches to the matches vector