

Ibrahim Omer Celik
Assignment 2 - Creating Contigs

Program first reads the list of k-mers from the file, create the de brujin graph and generate contigs through finding maximal non-branching paths. Generated contigs are written in contigs.txt file. Each time you run the program contigs.txt is updated based on the input file.

In order to include screenshots of running program, we print out all the contigs to the command line for illustration purpose.

1. The result for *sample-input.txt* file

```
bio-hw — -bash — 120x24
Omers-MacBook-Air-2:bio-hw omercelik$ python create_contig.py sample-input.txt
['AGA', 'ATG', 'ATG', 'CAT', 'GAT', 'TGGa', 'TGT']
Omers-MacBook-Air-2:bio-hw omercelik$
```

2. The result for *test-input.txt* file

[illegible]