

Locality - Sensitive Hashing on Human Genomes

Apply LSH algorithm on human genomes to reduce the effort of traversing every genome sequence again and again in order to find the similar sequences for a given sequence.

Installation

Requirements

- [Python 3.8+](#)
- Source Code

Usage

Indexing

- `$ python main.py index "path/to/file/containing/genomes"`
- Index can be updated by running the same command with updated genome sequences.

Querying

- Make sure the index has been previously made
- `$ python main.py query "path/to/file/containing/query/genome"`