

Short Description

Genome Query is a web-service of queries to human genome, making possible:

- search locations of given sequence in genome parts;
- count the number of match of sequence in definite location;
- show set, situated in given area;
- show available information about genes

General Tools:

- Java/JEE
- JUnit

Software:

- IntelliJ IDEA
- TeamCity
- YouTrack
- Git
- Apache Tomcat

Algorithms:

- KMP
- Suffix arrays
- K-mers

Bioinformatic sources:

- [Human Genome GRCh37/hg19](#)
- [kgXref, knownGenes](#)