MMseqs2

Verzija	Modul
14-7e284	bioinfo/MMseqs2/14-7e284

Korištenje

Primjer 1.

easy-search

```
#!/bin/bash

#$ -N mmseq2-test
#$ -cwd
#$ -pe p28-mpi 8

module load bioinfo/MMseqs2/14-7e284


RUNNER="mpirun -np $NSLOTS" mmseqs easy-search examples/QUERY.fasta examples/DB.fasta alnRes.m8 --threads 1 tmp
```

Primjer 2.

> **Napomena**
>
> U ovom primjeru se zauzima jedan cijeli čvor s kombinacijom np x threads, umnožak dviju vrijednosti mora biti jednak 28.

easy-search2

```
#!/bin/bash

#$ -N mmseq2-test
#$ -cwd
#$ -pe p28-mpisingle 28

module load bioinfo/MMseqs2/14-7e284


RUNNER="mpirun -np 7" mmseqs easy-search examples/QUERY.fasta examples/DB.fasta alnRes.m8 --threads 4 tmp
```

Instalacija

- Korišten je prevodioc gcc/9
- Za mpi je korišten mpi/openmpi41-x86_64

Instalacija

```
module load gcc/9
module load mpi/openmpi41-x86_64
git clone https://github.com/soedinglab/MMseqs2.git
cd MMseqs2/
mkdir build
cmake3 CMakeLists.txt -DCMAKE_INSTALL_PREFIX=/home/mhrzenja/mmseqs2/MMseqs2/build -DHAVE_AVX2=1 -DHAVE_MPI=1
make
make install
```