(base) leonid@leonid-Aspire-A315-42:~$ conda install -c biconda seqtk

Collecting package metadata (current\_repodata.json): failed

UnavailableInvalidChannel: The channel is not accessible or is invalid.

channel name: biconda

channel url: https://conda.anaconda.org/biconda

error code: 404

You will need to adjust your conda configuration to proceed.

Use `conda config --show channels` to view your configuration's current state,

and use `conda config --show-sources` to view config file locations.

(base) leonid@leonid-Aspire-A315-42:~$ biconda --ver

biconda: command not found

(base) leonid@leonid-Aspire-A315-42:~$ seqrk --ver

Command 'seqrk' not found, did you mean:

command 'seqtk' from deb seqtk (1.3-1)

Try: sudo apt install <deb name>

(base) leonid@leonid-Aspire-A315-42:~$ seqtk --ver

Command 'seqtk' not found, but can be installed with:

sudo apt install seqtk

(base) leonid@leonid-Aspire-A315-42:~$ sudo apt install seqtk

[sudo] password for leonid:

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

amap-align ant ant-optional bamtools bedtools biosquid blast2 blends-common bowtie bowtie2 bwa clustalo clustalw cutadapt dialign-tx dialign-tx-data exonerate

fastqc fonts-lato fsa hmmer hmmer2 ibverbs-providers javascript-common jellyfish1 kalign kraken libactivation-java libaopalliance-java libapache-pom-java

libargs4j-java libargtable2-0 libasm-java libatinject-jsr330-api-java libbamtools2.5.1 libcaf-openmpi-3 libcdi-api-java libcglib-java libclass-inspector-perl

libcoarrays-openmpi-dev libcodemodel-java libcommons-cli-java libcommons-codec-java libcommons-compress-java libcommons-io-java libcommons-jexl2-java

libcommons-lang3-java libcommons-logging-java libcommons-math3-java libcommons-parent-java libconvert-binhex-perl libdivsufsort3 libdom4j-java libdtd-parser-java

libevent-core-2.1-7 libevent-dev libevent-extra-2.1-7 libevent-openssl-2.1-7 libevent-pthreads-2.1-7 libfabric1 libfastinfoset-java libfcgi-perl

libfindbin-libs-perl libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhat-trie0 libhawtjni-runtime-java

libhmsbeagle1v5 libhtsjdk-java libhttpclient-java libhttpcore-java libhwloc-dev libhwloc-plugins libhwloc15 libibverbs-dev libibverbs1 libio-sessiondata-perl

libistack-commons-java libjansi-java libjansi-native-java libjaxb-api-java libjaxb-java libjaxen-java libjbzip2-java libjs-jquery libjsoncpp1 libjsoup-java

libjsr305-java libllvm11 libllvm11:i386 libmaven-file-management-java libmaven-parent-java libmaven-resolver-java libmaven-shared-io-java

libmaven-shared-utils-java libmaven3-core-java libmime-tools-perl libminizip1 libngs-java libngs-sdk-dev libngs-sdk2 libnl-3-dev libnl-route-3-dev libnlopt0

libnuma-dev libopenmpi-dev libopenmpi3 libossp-uuid-perl libossp-uuid16 libplexus-archiver-java libplexus-cipher-java libplexus-classworlds-java

libplexus-component-annotations-java libplexus-interpolation-java libplexus-io-java libplexus-sec-dispatcher-java libplexus-utils2-java libpmix2

libpsm-infinipath1 libpsm2-2 libpvm3 libqt5positioning5 libqt5qml5 libqt5quick5 libqt5quickwidgets5 libqt5script5 libqt5scripttools5 libqt5webchannel5

libqt5webengine-data libqt5webenginecore5 libqt5webenginewidgets5 libqt5websockets5 librdmacm1 libre2-5 librelaxng-datatype-java librngom-java libruby2.7

libsisu-guice-java libsisu-inject-java libsisu-ioc-java libsisu-plexus-java libslf4j-java libsnappy-java libsnappy-jni libsoap-lite-perl libsquid1 libssw0

libstax-ex-java libstreambuffer-java libtask-weaken-perl libtbb2 libtxw2-java libwagon-http-java libwagon-provider-api-java libxml-commons-resolver1.1-java

libxml-simple-perl libxmlrpc-lite-perl libxnvctrl0 libxsom-java libxz-java mafft med-config mrbayes mummer muscle mustang ncbi-blast+-legacy openmpi-bin

openmpi-common phyml pigz poa prank primer3 probcons proda pvm python3-cutadapt python3-dnaio python3-joblib python3-xopen rake ruby ruby-minitest ruby-net-telnet

ruby-power-assert ruby-test-unit ruby-xmlrpc ruby2.7 rubygems-integration shim spades t-coffee tabix tm-align trimmomatic ugene-data vcftools

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

seqtk

0 upgraded, 1 newly installed, 0 to remove and 3 not upgraded.

Need to get 31,3 kB of archives.

After this operation, 89,1 kB of additional disk space will be used.

Get:1 http://ru.archive.ubuntu.com/ubuntu focal/universe amd64 seqtk amd64 1.3-1 [31,3 kB]

Fetched 31,3 kB in 0s (359 kB/s)

Selecting previously unselected package seqtk.

(Reading database ... 248420 files and directories currently installed.)

Preparing to unpack .../archives/seqtk\_1.3-1\_amd64.deb ...

Unpacking seqtk (1.3-1) ...

Setting up seqtk (1.3-1) ...

Processing triggers for man-db (2.9.1-1) ...

(base) leonid@leonid-Aspire-A315-42:~$ sudo apt install trimmomatic

Reading package lists... Done

Building dependency tree

Reading state information... Done

trimmomatic is already the newest version (0.39+dfsg-1).

trimmomatic set to manually installed.

The following packages were automatically installed and are no longer required:

amap-align ant ant-optional bamtools bedtools biosquid blast2 blends-common bowtie bowtie2 bwa clustalo clustalw cutadapt dialign-tx dialign-tx-data exonerate

fastqc fonts-lato fsa hmmer hmmer2 ibverbs-providers javascript-common jellyfish1 kalign kraken libactivation-java libaopalliance-java libapache-pom-java

libargs4j-java libargtable2-0 libasm-java libatinject-jsr330-api-java libbamtools2.5.1 libcaf-openmpi-3 libcdi-api-java libcglib-java libclass-inspector-perl

libcoarrays-openmpi-dev libcodemodel-java libcommons-cli-java libcommons-codec-java libcommons-compress-java libcommons-io-java libcommons-jexl2-java

libcommons-lang3-java libcommons-logging-java libcommons-math3-java libcommons-parent-java libconvert-binhex-perl libdivsufsort3 libdom4j-java libdtd-parser-java

libevent-core-2.1-7 libevent-dev libevent-extra-2.1-7 libevent-openssl-2.1-7 libevent-pthreads-2.1-7 libfabric1 libfastinfoset-java libfcgi-perl

libfindbin-libs-perl libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhat-trie0 libhawtjni-runtime-java

libhmsbeagle1v5 libhtsjdk-java libhttpclient-java libhttpcore-java libhwloc-dev libhwloc-plugins libhwloc15 libibverbs-dev libibverbs1 libio-sessiondata-perl

libistack-commons-java libjansi-java libjansi-native-java libjaxb-api-java libjaxb-java libjaxen-java libjs-jquery libjsoncpp1 libjsoup-java libjsr305-java

libllvm11 libllvm11:i386 libmaven-file-management-java libmaven-parent-java libmaven-resolver-java libmaven-shared-io-java libmaven-shared-utils-java

libmaven3-core-java libmime-tools-perl libminizip1 libngs-java libngs-sdk-dev libngs-sdk2 libnl-3-dev libnl-route-3-dev libnlopt0 libnuma-dev libopenmpi-dev

libopenmpi3 libossp-uuid-perl libossp-uuid16 libplexus-archiver-java libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java

libplexus-interpolation-java libplexus-io-java libplexus-sec-dispatcher-java libplexus-utils2-java libpmix2 libpsm-infinipath1 libpsm2-2 libpvm3

libqt5positioning5 libqt5qml5 libqt5quick5 libqt5quickwidgets5 libqt5script5 libqt5scripttools5 libqt5webchannel5 libqt5webengine-data libqt5webenginecore5

libqt5webenginewidgets5 libqt5websockets5 librdmacm1 libre2-5 librelaxng-datatype-java librngom-java libruby2.7 libsisu-guice-java libsisu-inject-java

libsisu-ioc-java libsisu-plexus-java libslf4j-java libsnappy-java libsnappy-jni libsoap-lite-perl libsquid1 libssw0 libstax-ex-java libstreambuffer-java

libtask-weaken-perl libtbb2 libtxw2-java libwagon-http-java libwagon-provider-api-java libxml-commons-resolver1.1-java libxml-simple-perl libxmlrpc-lite-perl

libxnvctrl0 libxsom-java libxz-java mafft med-config mrbayes mummer muscle mustang ncbi-blast+-legacy openmpi-bin openmpi-common phyml pigz poa prank primer3

probcons proda pvm python3-cutadapt python3-dnaio python3-joblib python3-xopen rake ruby ruby-minitest ruby-net-telnet ruby-power-assert ruby-test-unit

ruby-xmlrpc ruby2.7 rubygems-integration shim spades t-coffee tabix tm-align ugene-data vcftools

Use 'sudo apt autoremove' to remove them.

0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.

(base) leonid@leonid-Aspire-A315-42:~$ pip install macs2 intervene

Collecting macs2

Downloading MACS2-2.2.7.1.tar.gz (2.1 MB)

━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 2.1/2.1 MB 2.6 MB/s eta 0:00:00

Installing build dependencies ... done

Getting requirements to build wheel ... done

Preparing metadata (pyproject.toml) ... done

Collecting intervene

Downloading intervene-0.6.5.tar.gz (5.5 MB)

━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 5.5/5.5 MB 3.7 MB/s eta 0:00:00

Preparing metadata (setup.py) ... done

Requirement already satisfied: numpy>=>=1.17 in ./anaconda3/lib/python3.8/site-packages (from macs2) (1.21.4)

Requirement already satisfied: pybedtools in ./anaconda3/lib/python3.8/site-packages (from intervene) (0.9.0)

Requirement already satisfied: matplotlib in ./anaconda3/lib/python3.8/site-packages (from intervene) (3.3.2)

Requirement already satisfied: pandas in ./anaconda3/lib/python3.8/site-packages (from intervene) (1.1.3)

Requirement already satisfied: scipy in ./anaconda3/lib/python3.8/site-packages (from intervene) (1.5.2)

Requirement already satisfied: seaborn in ./anaconda3/lib/python3.8/site-packages (from intervene) (0.11.0)

Requirement already satisfied: kiwisolver>=1.0.1 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (1.3.0)

Requirement already satisfied: python-dateutil>=2.1 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (2.8.1)

Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.3 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (2.4.7)

Requirement already satisfied: cycler>=0.10 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (0.10.0)

Requirement already satisfied: certifi>=2020.06.20 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (2020.6.20)

Requirement already satisfied: pillow>=6.2.0 in ./anaconda3/lib/python3.8/site-packages (from matplotlib->intervene) (8.0.1)

Requirement already satisfied: pytz>=2017.2 in ./anaconda3/lib/python3.8/site-packages (from pandas->intervene) (2020.1)

Requirement already satisfied: pysam in ./anaconda3/lib/python3.8/site-packages (from pybedtools->intervene) (0.18.0)

Requirement already satisfied: six in ./anaconda3/lib/python3.8/site-packages (from pybedtools->intervene) (1.15.0)

Building wheels for collected packages: macs2, intervene

Building wheel for macs2 (pyproject.toml) ... done

Created wheel for macs2: filename=MACS2-2.2.7.1-cp38-cp38-linux\_x86\_64.whl size=2127332 sha256=b29bcfb46bd910923c927fe5925e6f5e4e1262190d8deac1483b6191f49d295d

Stored in directory: /home/leonid/.cache/pip/wheels/40/63/f3/d4cabcbf5a1e51748b094a6cfbaa550537053b010f364e5389

Building wheel for intervene (setup.py) ... done

Created wheel for intervene: filename=intervene-0.6.5-py3-none-any.whl size=5546125 sha256=54ecfbc531857ce7a78087a3f10eee7726f3624a57995d74652e8fb7cb26b9da

Stored in directory: /home/leonid/.cache/pip/wheels/1d/fe/c7/2b7cc69a53999e7728666df25f3973c699242fbdf362ff8e17

Successfully built macs2 intervene

Installing collected packages: macs2, intervene

Successfully installed intervene-0.6.5 macs2-2.2.7.1

(base) leonid@leonid-Aspire-A315-42:~$ apt-get install bedtools

E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)

E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?

(base) leonid@leonid-Aspire-A315-42:~$ ^C

(base) leonid@leonid-Aspire-A315-42:~$ ps aux | grep -i apt

leonid 9401 0.0 0.0 9044 652 pts/0 S+ 17:10 0:00 grep --color=auto -i apt

(base) leonid@leonid-Aspire-A315-42:~$ sudo rm /var/lib/apt/lists/lock

(base) leonid@leonid-Aspire-A315-42:~$ sudo rm /var/cache/apt/archives/lock

(base) leonid@leonid-Aspire-A315-42:~$ sudo rm /var/lib/dpkg/lock

(base) leonid@leonid-Aspire-A315-42:~$ sudo rm /var/lib/dpkg/lock-frontend

(base) leonid@leonid-Aspire-A315-42:~$ sudo dpkg --configure -a

(base) leonid@leonid-Aspire-A315-42:~$ apt-get install bedtools

E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)

E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?

(base) leonid@leonid-Aspire-A315-42:~$ sudo apt-get update

Hit:1 http://ru.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Get:3 http://ru.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:4 http://ru.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]

Get:5 http://ru.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [279 kB]

Get:6 http://security.ubuntu.com/ubuntu bionic-security InRelease [88,7 kB]

Get:7 http://ru.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [391 kB]

Get:8 http://ru.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [940 B]

Hit:9 https://cloud.r-project.org/bin/linux/ubuntu bionic-cran35/ InRelease

Get:10 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40,7 kB]

Get:11 http://ru.archive.ubuntu.com/ubuntu focal-backports/main amd64 DEP-11 Metadata [7 984 B]

Get:12 http://ru.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [30,8 kB]

Get:13 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66,3 kB]

Get:14 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2 460 B]

Get:15 http://security.ubuntu.com/ubuntu bionic-security/main amd64 DEP-11 Metadata [55,1 kB]

Fetched 1 299 kB in 2s (545 kB/s)

Reading package lists... Done

(base) leonid@leonid-Aspire-A315-42:~$ sudo apt-get install bedtools

Reading package lists... Done

Building dependency tree

Reading state information... Done

bedtools is already the newest version (2.27.1+dfsg-4ubuntu1).

bedtools set to manually installed.

The following packages were automatically installed and are no longer required:

amap-align ant ant-optional bamtools biosquid blast2 blends-common bowtie bowtie2 bwa clustalo clustalw cutadapt dialign-tx dialign-tx-data exonerate fastqc

fonts-lato fsa hmmer hmmer2 ibverbs-providers javascript-common jellyfish1 kalign kraken libactivation-java libaopalliance-java libapache-pom-java libargs4j-java

libargtable2-0 libasm-java libatinject-jsr330-api-java libbamtools2.5.1 libcaf-openmpi-3 libcdi-api-java libcglib-java libclass-inspector-perl

libcoarrays-openmpi-dev libcodemodel-java libcommons-cli-java libcommons-codec-java libcommons-compress-java libcommons-io-java libcommons-jexl2-java

libcommons-lang3-java libcommons-logging-java libcommons-math3-java libcommons-parent-java libconvert-binhex-perl libdivsufsort3 libdom4j-java libdtd-parser-java

libevent-core-2.1-7 libevent-dev libevent-extra-2.1-7 libevent-openssl-2.1-7 libevent-pthreads-2.1-7 libfabric1 libfastinfoset-java libfcgi-perl

libfindbin-libs-perl libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhat-trie0 libhawtjni-runtime-java

libhmsbeagle1v5 libhtsjdk-java libhttpclient-java libhttpcore-java libhwloc-dev libhwloc-plugins libhwloc15 libibverbs-dev libibverbs1 libio-sessiondata-perl

libistack-commons-java libjansi-java libjansi-native-java libjaxb-api-java libjaxb-java libjaxen-java libjs-jquery libjsoncpp1 libjsoup-java libjsr305-java

libllvm11 libllvm11:i386 libmaven-file-management-java libmaven-parent-java libmaven-resolver-java libmaven-shared-io-java libmaven-shared-utils-java

libmaven3-core-java libmime-tools-perl libminizip1 libngs-java libngs-sdk-dev libngs-sdk2 libnl-3-dev libnl-route-3-dev libnlopt0 libnuma-dev libopenmpi-dev

libopenmpi3 libossp-uuid-perl libossp-uuid16 libplexus-archiver-java libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java

libplexus-interpolation-java libplexus-io-java libplexus-sec-dispatcher-java libplexus-utils2-java libpmix2 libpsm-infinipath1 libpsm2-2 libpvm3

libqt5positioning5 libqt5qml5 libqt5quick5 libqt5quickwidgets5 libqt5script5 libqt5scripttools5 libqt5webchannel5 libqt5webengine-data libqt5webenginecore5

libqt5webenginewidgets5 libqt5websockets5 librdmacm1 libre2-5 librelaxng-datatype-java librngom-java libruby2.7 libsisu-guice-java libsisu-inject-java

libsisu-ioc-java libsisu-plexus-java libslf4j-java libsnappy-java libsnappy-jni libsoap-lite-perl libsquid1 libssw0 libstax-ex-java libstreambuffer-java

libtask-weaken-perl libtbb2 libtxw2-java libwagon-http-java libwagon-provider-api-java libxml-commons-resolver1.1-java libxml-simple-perl libxmlrpc-lite-perl

libxnvctrl0 libxsom-java libxz-java mafft med-config mrbayes mummer muscle mustang ncbi-blast+-legacy openmpi-bin openmpi-common phyml pigz poa prank primer3

probcons proda pvm python3-cutadapt python3-dnaio python3-joblib python3-xopen rake ruby ruby-minitest ruby-net-telnet ruby-power-assert ruby-test-unit

ruby-xmlrpc ruby2.7 rubygems-integration shim spades t-coffee tabix tm-align ugene-data vcftools

Use 'sudo apt autoremove' to remove them.

0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.

(base) leonid@leonid-Aspire-A315-42:~$ apt-get install bowtie2 samtools

E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)

E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?

(base) leonid@leonid-Aspire-A315-42:~$ sudo apt-get install bowtie2 samtools

Reading package lists... Done

Building dependency tree

Reading state information... Done

bowtie2 is already the newest version (2.3.5.1-6build1).

bowtie2 set to manually installed.

samtools is already the newest version (1.10-3).

samtools set to manually installed.

The following packages were automatically installed and are no longer required:

amap-align ant ant-optional bamtools biosquid blast2 blends-common bowtie bwa clustalo clustalw cutadapt dialign-tx dialign-tx-data exonerate fastqc fonts-lato

fsa hmmer hmmer2 ibverbs-providers javascript-common jellyfish1 kalign kraken libactivation-java libaopalliance-java libapache-pom-java libargs4j-java

libargtable2-0 libasm-java libatinject-jsr330-api-java libbamtools2.5.1 libcaf-openmpi-3 libcdi-api-java libcglib-java libclass-inspector-perl

libcoarrays-openmpi-dev libcodemodel-java libcommons-cli-java libcommons-codec-java libcommons-compress-java libcommons-io-java libcommons-jexl2-java

libcommons-lang3-java libcommons-logging-java libcommons-math3-java libcommons-parent-java libconvert-binhex-perl libdivsufsort3 libdom4j-java libdtd-parser-java

libevent-core-2.1-7 libevent-dev libevent-extra-2.1-7 libevent-openssl-2.1-7 libevent-pthreads-2.1-7 libfabric1 libfastinfoset-java libfcgi-perl

libfindbin-libs-perl libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhat-trie0 libhawtjni-runtime-java

libhmsbeagle1v5 libhtsjdk-java libhttpclient-java libhttpcore-java libhwloc-dev libhwloc-plugins libhwloc15 libibverbs-dev libibverbs1 libio-sessiondata-perl

libistack-commons-java libjansi-java libjansi-native-java libjaxb-api-java libjaxb-java libjaxen-java libjs-jquery libjsoncpp1 libjsoup-java libjsr305-java

libllvm11 libllvm11:i386 libmaven-file-management-java libmaven-parent-java libmaven-resolver-java libmaven-shared-io-java libmaven-shared-utils-java

libmaven3-core-java libmime-tools-perl libminizip1 libngs-java libngs-sdk-dev libngs-sdk2 libnl-3-dev libnl-route-3-dev libnlopt0 libnuma-dev libopenmpi-dev

libopenmpi3 libossp-uuid-perl libossp-uuid16 libplexus-archiver-java libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java

libplexus-interpolation-java libplexus-io-java libplexus-sec-dispatcher-java libplexus-utils2-java libpmix2 libpsm-infinipath1 libpsm2-2 libpvm3

libqt5positioning5 libqt5qml5 libqt5quick5 libqt5quickwidgets5 libqt5script5 libqt5scripttools5 libqt5webchannel5 libqt5webengine-data libqt5webenginecore5

libqt5webenginewidgets5 libqt5websockets5 librdmacm1 libre2-5 librelaxng-datatype-java librngom-java libruby2.7 libsisu-guice-java libsisu-inject-java

libsisu-ioc-java libsisu-plexus-java libslf4j-java libsnappy-java libsnappy-jni libsoap-lite-perl libsquid1 libssw0 libstax-ex-java libstreambuffer-java

libtask-weaken-perl libtxw2-java libwagon-http-java libwagon-provider-api-java libxml-commons-resolver1.1-java libxml-simple-perl libxmlrpc-lite-perl libxnvctrl0

libxsom-java libxz-java mafft med-config mrbayes mummer muscle mustang ncbi-blast+-legacy openmpi-bin openmpi-common phyml pigz poa prank primer3 probcons proda

pvm python3-cutadapt python3-dnaio python3-joblib python3-xopen rake ruby ruby-minitest ruby-net-telnet ruby-power-assert ruby-test-unit ruby-xmlrpc ruby2.7

rubygems-integration shim spades t-coffee tabix tm-align ugene-data vcftools

Use 'sudo apt autoremove' to remove them.

0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.

(base) leonid@leonid-Aspire-A315-42:~$ pip install bowtie2

ERROR: Could not find a version that satisfies the requirement bowtie2 (from versions: none)

ERROR: No matching distribution found for bowtie2

(base) leonid@leonid-Aspire-A315-42:~$ fastqc --ver

FastQC v0.11.9

(base) leonid@leonid-Aspire-A315-42:~$ fasqtc --help

Command 'fasqtc' not found, did you mean:

command 'fastqc' from deb fastqc (0.11.9+dfsg-2)

Try: sudo apt install <deb name>

(base) leonid@leonid-Aspire-A315-42:~$ ./FastQC/fastqc --help

FastQC - A high throughput sequence QC analysis tool

SYNOPSIS

fastqc seqfile1 seqfile2 .. seqfileN

fastqc [-o output dir] [--(no)extract] [-f fastq|bam|sam]

[-c contaminant file] seqfile1 .. seqfileN

DESCRIPTION

FastQC reads a set of sequence files and produces from each one a quality

control report consisting of a number of different modules, each one of

which will help to identify a different potential type of problem in your

data.

If no files to process are specified on the command line then the program

will start as an interactive graphical application. If files are provided

on the command line then the program will run with no user interaction

required. In this mode it is suitable for inclusion into a standardised

analysis pipeline.

The options for the program as as follows:

-h --help Print this help file and exit

-v --version Print the version of the program and exit

-o --outdir Create all output files in the specified output directory.

Please note that this directory must exist as the program

will not create it. If this option is not set then the

output file for each sequence file is created in the same

directory as the sequence file which was processed.

--casava Files come from raw casava output. Files in the same sample

group (differing only by the group number) will be analysed

as a set rather than individually. Sequences with the filter

flag set in the header will be excluded from the analysis.

Files must have the same names given to them by casava

(including being gzipped and ending with .gz) otherwise they

won't be grouped together correctly.

--nano Files come from nanopore sequences and are in fast5 format. In

this mode you can pass in directories to process and the program

will take in all fast5 files within those directories and produce

a single output file from the sequences found in all files.

--nofilter If running with --casava then don't remove read flagged by

casava as poor quality when performing the QC analysis.

--extract If set then the zipped output file will be uncompressed in

the same directory after it has been created. By default

this option will be set if fastqc is run in non-interactive

mode.

-j --java Provides the full path to the java binary you want to use to

launch fastqc. If not supplied then java is assumed to be in

your path.

--noextract Do not uncompress the output file after creating it. You

should set this option if you do not wish to uncompress

the output when running in non-interactive mode.

--nogroup Disable grouping of bases for reads >50bp. All reports will

show data for every base in the read. WARNING: Using this

option will cause fastqc to crash and burn if you use it on

really long reads, and your plots may end up a ridiculous size.

You have been warned!

--min\_length Sets an artificial lower limit on the length of the sequence

to be shown in the report. As long as you set this to a value

greater or equal to your longest read length then this will be

the sequence length used to create your read groups. This can

be useful for making directly comaparable statistics from

datasets with somewhat variable read lengths.

-f --format Bypasses the normal sequence file format detection and

forces the program to use the specified format. Valid

formats are bam,sam,bam\_mapped,sam\_mapped and fastq

-t --threads Specifies the number of files which can be processed

simultaneously. Each thread will be allocated 250MB of

memory so you shouldn't run more threads than your

available memory will cope with, and not more than

6 threads on a 32 bit machine

-c Specifies a non-default file which contains the list of

--contaminants contaminants to screen overrepresented sequences against.

The file must contain sets of named contaminants in the

form name[tab]sequence. Lines prefixed with a hash will

be ignored.

-a Specifies a non-default file which contains the list of

--adapters adapter sequences which will be explicity searched against

the library. The file must contain sets of named adapters

in the form name[tab]sequence. Lines prefixed with a hash

will be ignored.

-l Specifies a non-default file which contains a set of criteria

--limits which will be used to determine the warn/error limits for the

various modules. This file can also be used to selectively

remove some modules from the output all together. The format

needs to mirror the default limits.txt file found in the

Configuration folder.

-k --kmers Specifies the length of Kmer to look for in the Kmer content

module. Specified Kmer length must be between 2 and 10. Default

length is 7 if not specified.

-q --quiet Supress all progress messages on stdout and only report errors.

-d --dir Selects a directory to be used for temporary files written when

generating report images. Defaults to system temp directory if

not specified.

BUGS

Any bugs in fastqc should be reported either to simon.andrews@babraham.ac.uk

or in www.bioinformatics.babraham.ac.uk/bugzilla/

(base) leonid@leonid-Aspire-A315-42:~$