**Using AGEseq version 1 & 2 in docker**

# Prerequisite

1. [Install Docker Desktop](<https://www.docker.com/products/docker-desktop>)

Graphical user interface, website

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1. Get the AGEseq image
2. Go to the repository of [AGEseq docker image]:
   1. Version 1 (<https://hub.docker.com/r/bendjamin101001/ageseq>)
   2. Version 2 (<https://hub.docker.com/r/bendjamin101001/ageseq2>)

A computer screen shot

Description automatically generated with low confidence

1. copy the "Docker Pull Command", execute in the 'Terminal':

version1:

docker pull bendjamin101001/ageseq

version2:

docker pull bendjamin101001/ageseq2

A screenshot of a computer

Description automatically generated with medium confidence

1. You should be able to see the 'bendjamin101001/ageseq' image in the docker dashboard.A screenshot of a computer

   Description automatically generated with medium confidence

# Using AGEseq

1. In the docker dashboard, click the blue ‘RUN▶️’ button

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1. Expand the optional setting

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1. Click the ‘…’ under Host Path, select the location of the ‘reads’ directory and ‘target.txt’

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Description automatically generated with medium confidence

Graphical user interface, text

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1. Enter ‘/data/’ as ‘Container Path’. You can enter a name for this run as ‘Container Name’.

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1. Hit ‘Run’. Go to the ‘Containers / Apps’ tab on the left panel. Find the run you just launched.

Graphical user interface, text, application, email

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If you did not specify a Container Name, it will be assigned as a random two words phrase. Don’t panic, just sort the containers by ‘Status’ or ‘Started Time’ to find it. The green logo means it is still running.

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Description automatically generated with medium confidence

1. Click on the container to see the log. If you can see the progress running like this on the right side of the panel then everything is good.

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1. Just wait for it to finish and go to the folder which contains the reads and target.txt, you can find the ‘AGE\_output.txt’ or version2’s output (log and csv) sitting right there.

Text

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