

nanopolish setup

@October 19, 2022

- The following worked on our server set up on October 19, 2022

```
# create clean conda env
conda create --name nanopolish_nanonome
conda activate nanopolish_nanonome

# configure and install hdf5 because lots of errors are coming from that. this is handy because
it installs all the external libraries needed into the conda env
conda config --add channels defaults
conda config --add channels bioconda
conda config --add channels conda-forge
conda install -c conda-forge hdf5

# clone the repo, checkout the branch, check branch, grab submodules
git clone https://github.com/jts/nanopolish.git nanopolish_nanonome
cd nanopolish_nanonome/
git checkout nanonome
git show --oneline -s
# d0efd38 (HEAD -> nanonome, origin/nanonome) Merge pull request #875 from sabiqali/nanonome
git submodule update --init --recursive

# make
make

# test
./nanopolish --version

# nanopolish version 0.13.2
# Written by Jared Simpson.
# Copyright 2015-2017 Ontario Institute for Cancer Research
```

Troubleshooting:

- Sometimes I had to modify make file for eigen - see:
<https://github.com/jts/nanopolish/commit/46a029cbf3dc63a96bda6daaf96383b07711546c>
 - However that still didn't work
 - This line: `mv eigen-$(EIGEN_VERSION) eigen || exit 255` needs to be modified to `mv eigen-3.37-* eigen || exit 255` since when you unzip the eigen download, thats what the resulting directory looks like

