Installation Instructions

**AUGUSTUS**

conda create -n augustus

conda activate augustus

git clone https://github.com/Gaius-Augustus/Augustus.git

cd Augustus

make augustus

**EDTA**

conda create -n EDTA

conda activate EDTA

conda install -c bioconda edta

**barrnap**

conda create -n barrnap

conda activate barrnap

conda install bioconda::barrnap

**Orthofinder**

conda create -n orthofinder

conda activate orthofinder

conda install orthofinder

**BLAST**

conda create -n blast -c bioconda -c conda-forge blast -y

conda activate blast

**ModDotPLot**

conda create -n moddotplot

conda activate moddotplot

git clone https://github.com/marbl/ModDotPlot.git

cd ModDotPlot

python -m venv venv

source venv/bin/activate

python -m pip install

**quarTet**

conda create -n quarTeTdependencies --channel conda-forge --channel bioconda python=3.11.4 minimap2=2.26 mummer4=4.0.0rc1 trf=4.09.1 cd-hit=4.8.1 blast=2.14.0 tidk=0.2.31 r=4.3 r-rideogram=0.2.2 r-ggplot2=3.4.4 gnuplot=5.4 unimap=0.1

git clone <https://github.com/aaranyue/quarTeT>

python3 {path}/quartet.py

**SAMtools**

conda create -n samtools

conda activate samtools

conda install bioconda::samtools

**Computel**

conda create -n computel

conda activate computel

git clone https://github.com/lilit-nersisyan/computel