

A

View Model building

## Model building

## Imports

- import volumes
- import atomic structure
- import sequence

## Preprocess map

- xmipp3 - create 3d mask
- xmipp3 - local MonoRes
- xmipp3 - localdeblur sharpening
- xmipp3 - extract asymmetric unit
- xmipp3 - deepEMhancer

## Initial model

- chimerax - model from template

## Rigid fitting

- phenix - dock in map
- chimerax - rigid fit

## Flexible fitting

- ccp4 - coot refinement
- ccp4 - reftmac
- phenix - real space refine

## Validation

- phenix - emringer
- phenix - molprobtity
- phenix - validation\_cryoem
- xmipp3 - validate fsc-q

## Tools-Calculators

- atomstructutils - operator
- atomstructutils - convert\_sym
- phenix - superpose pdbs
- chimerax - operate
- chimerax - restore session
- chimerax - contacts
- chimerax - map subtraction
- xmipp3 - map from atomic structure

## Others

## Exports

- export to DB

B

Protocol Run: XmippProtDeepVolPostProc



Protocol: xmipp3 - deepEMhancer

Cite ? Help

## Run

Run name xmipp3 - deepEMhancer (2)

Comment

Run mode

☒ Continue
 ☐ Restart
Host localhostGPU IDs 0Use queue? ☐ Yes ☒ No

Wait for

## Expert Level

☐ Normal
 ☒ Advanced

Input

## Input

Would you like to use half maps? ☐ Yes ☒ No

Input Volume

Input normalization Automatic normalizationModel power tight targetRemove small CC after processing ☐ Yes ☒ NoBatch size 8

Close

Save

Execute