

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 - refrac
- phenix - real space refine

Validation

- phenix - emringer
- phenix - molprobability
- 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

Protocol Run: XmippProtMonoRes

mipp Protocol: xmipp3 - local MonoRes Cite ? Help

Run

Run name xmipp3 - local MonoRes (2) Comment

Run mode ☒ Continue ☐ Restart Host localhost

Parallel Threads 4 Use queue? ☐ Yes ☒ No Wait for

Expert Level ☐ Normal ☒ Advanced

Input

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

Input Volume Binary Mask Exclude Area

Extra parameters

Resolution Range (Å) High 0.0 Low Step Significance 0.95 Mask threshold 0.5 Consider noise gaussian? ☐ Yes ☒ No

Close Save Execute