

A

SCIPION v2.0 (2019-)

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 unit cell
 - Initial model
 - chimera - model from template
 - Rigid fitting
 - powerfit_scipion - powerfit
 - chimera - chimera rigid fit
 - Flexible fitting
 - phenix - real space refine
 - ccp4 - coot refinement
 - ccp4 - refmac
 - Validation
 - phenix - emringer
 - phenix - molprobity
 - phenix - validation_cryoem
 - Tools-Calculators
 - phenix - superpose pdbs
 - atomstructutils - operator
 - atomstructutils - convert_sym
 - chimera - chimera operate
 - chimera - chimera restore session
 - chimera - contacts
 - Others
 - xmipp3 - 3d bionotes
 - Exports
 - export to EMDB

B

Protocol Run: XmippProtCreateMask3D

mipp Protocol: xmipp3 - create 3d mask

Run

Run name: xmipp3 - create 3d mask

Run mode: Continue

Host: localhost

Use queue? No

Wait for:

Mask generation Postprocessing

Mask generation

Mask source: Volume

Input volume:

Operation: Threshold

Threshold: 0.0

Shift center of the mask? Yes

Shift Center (px): X 0 Y 0 Z 0

X Close **Save** **Execute**

C

Mask generation Postprocessing

Postprocessing

Remove small objects: No

Keep largest component: No

Symmetrize mask: No

Apply morphological operation: Yes

Operation: dilation

Structural element size: 1

Invert the mask: No

Smooth borders: No

X Close **Save** **Execute**