



View Protocols SPA

Protocols SPA

Imports

- import movies
- import micrographs
- import particles
- import volumes

more

Movies

Micrographs

- xmipp3 - preprocess micrographs
- CTF estimation

Particles

Picking

Extract

- reion - particles extraction
- reion - movie particles extraction
- reion - export particles
- reion - sort particles
- xmipp3 - extract particles

more

- xmipp3 - extract movie particles
- xmipp3 - extract particle pairs
- xmipp3 - screen deep learning
- xmipp3 - screen particles
- xmipp3 - center particles

Preprocess

Filter

Mask

2D

Align

- xmipp3 - align with cl2d

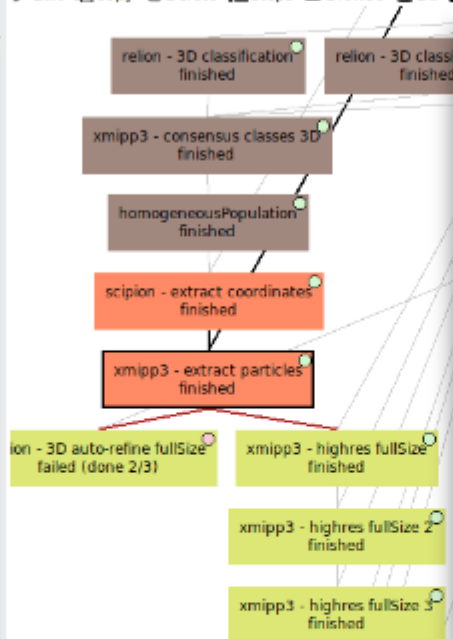
more

- scipion - assign alignment

Classify

- reion - 2D classification
- xmipp3 - cl2d
- eman2 - refine 2D
- eman2 - refine 2D bispec
- cryosparc2 - 2d classification
- grigoriefflab - frealign classify

Edit Copy Delete Steps Browse Db Collapse Labels



Summary Methods Output Log

Input

inputCoordinates (from scipion - extract coordinates -> outputCoordinates [outputCoordinates])
 ctfRelations (from xmipp3 - ctf consensus -> outputCTF)

Output

xmipp3 - extract particles -> outputParticles

SUMMARY

Micrographs source: same as picking
 Particle box size: 450
 Particles extracted: 5208

Protocol Run: XmippProtExtractParticles

Protocol: xmipp3 - extract particles finished Cite Help

Run

Run name: xmipp3 - extract particles Comment

Run mode: ☒ Continue ☐ Restart Host: localhost

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

Expert Level: ☒ Normal ☐ Advanced

Input Preprocess

Input

Input coordinates: scipion - extract coordinates.outputCoordinates

Micrographs source: ☒ same as picking ☐ other

CTF estimation: xmipp3 - ctf consensus.outputCTF

Downsampling factor: 1.0

Particle box size (px): 450

Fill pixels outside borders: ☐ Yes ☒ No

Close Save Execute

SetOfCoordinates (5667 items, 296 x 296)
 SetOfCTF (47 items)

SetOfParticles (5208 items, 450 x 450, 0.49 Å/px)