

View **Model building**

Model building

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 - import volumes
 - import atomic structure
 - import sequence
- Preprocess map
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 - xmipp3 - local MonoRes
 - xmipp3 - localdeblur sharpening
 - xmipp3 - extract unit cell
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 - 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
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Protocol Run: CCP4ProtRunRefmac

CCP4 Protocol: ccp4 - refmac

Cite ? Help

Run

Run name **ccp4 - refmac HBA_HUMAN** Comment

Run mode ☒ Continue ☐ Restart ? Host localhost

Use queue? ☐ Yes ☒ No ?

Wait for

Expert Level ☐ Normal ☒ Advanced

Input

Input

Input Volume **ccp4 - coot refinement.output3DMap_001** ? ? ? ?

Atomic structure to be refined **phenix -real space refine.outputPdb** ? ? ? ?

Max. Resolution (A): **3.2** ?

Min. Resolution (A): **200.0** ?

Generate masked volume ☒ Yes ☐ No

SFCALC mapradius: **3.0**

SFCALC mradius: **3.0**

Number of refinement iterations: **30**

Matrix refinement weight: **0.0**

B Factor: **40.0**

Extra parameters:

Close Save Execute

Protocols | Data

Refresh

phenix - real space refine finished

chimera operate ORIG finished

uctutils - operator (ch finished

Analyze Results

phenix - volume=False

phenix - volume=True