

Proposal code : MX-2169

Proposal title : Structural studies on archaeal translation initiation complex IC3

Report :

For this data collection of less than 3 days on a archaeal ribosomal complex sample, 4564 micrographs were collected with 4images/hole with a pixel size of 1.05 Å/pixel. 4160 micrographs were selected after CTF estimation with gCTF. ~750 000 particles were autopicked with Relion. After 3 rounds of classification, the ~500 000 remained particles were further processed for 3D classification. The final dataset of ~260 000 particles resulted a 3.1 Å resolution initial map. After post-processing, the final map was estimated at 2.8 Å resolution.