A
100nm
B
CTF
C
Autopicked
280000 particles
2D classification
250 Å
250 Å
197602 particles
D
1st 3D classification
Initial Model (1KX5)
Low pass filtered 60 Å
55146 (28%)
52181 (26%)
41280 (21%)
33663 (17%)
Refine
148607 particles
Single particle
movie correction
(lmbfgs)
Particle recentering
2nd 3D classification
18273 (12%)
24799 (17%)
70481 (47%)
34719 (23%)
3rd 3D classification
29623 (42%)
22585 (32%)
18270 (26%)
Soft edge solvent mask
Final refined volume
52208 particles
E
FSC curve
FSC
1.1
0.9
0.7
0.5
0.3
0.1
-0.1
0.143, 15Å
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Spatial Frequency 1/Å