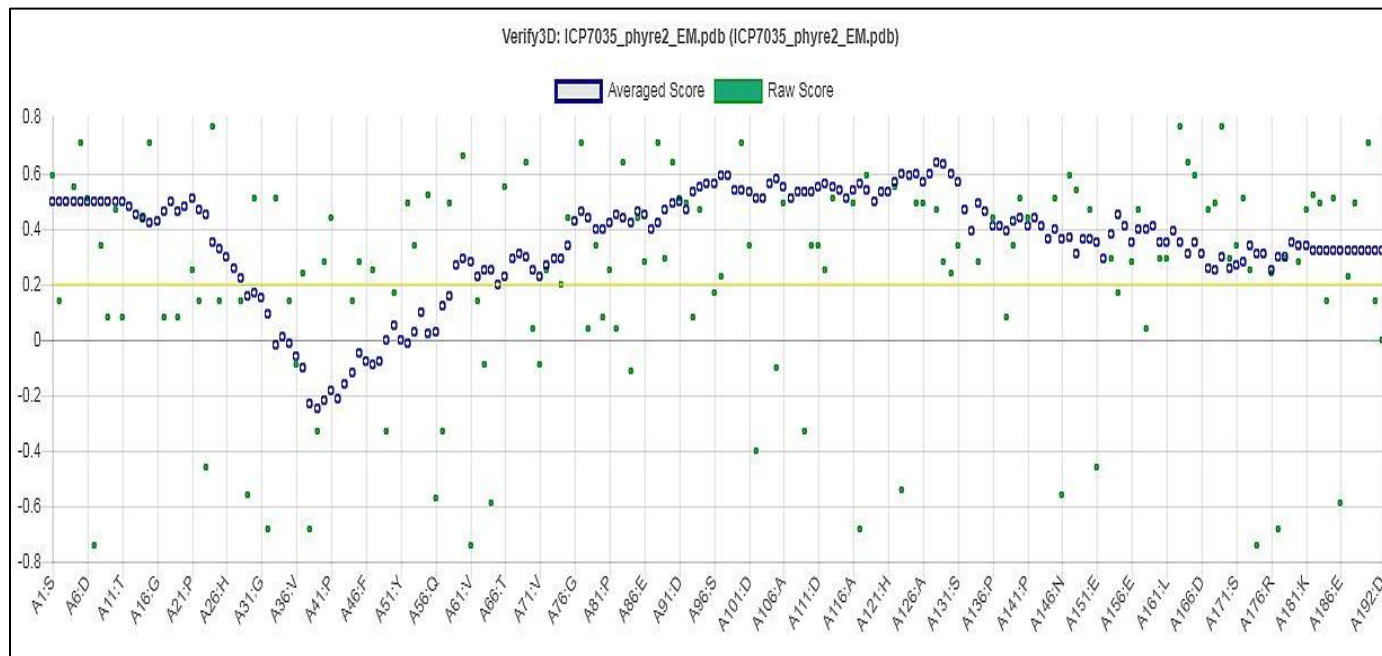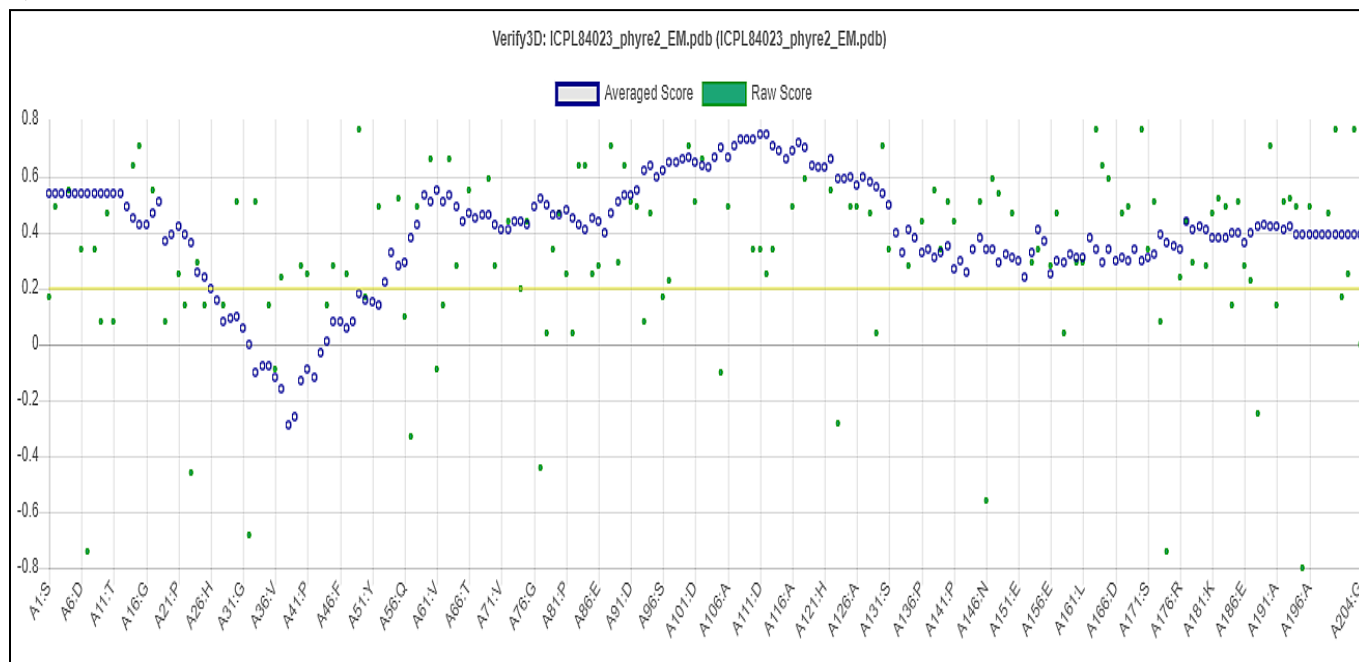**Fig. S5**: **Verify 3D image of a) ICP 7035 (84.38% of the residues have averaged 3D-1D score >= 0.2) and b) ICPL 84023 (87.25% of the residues have averaged 3D-1D score >= 0.2)**
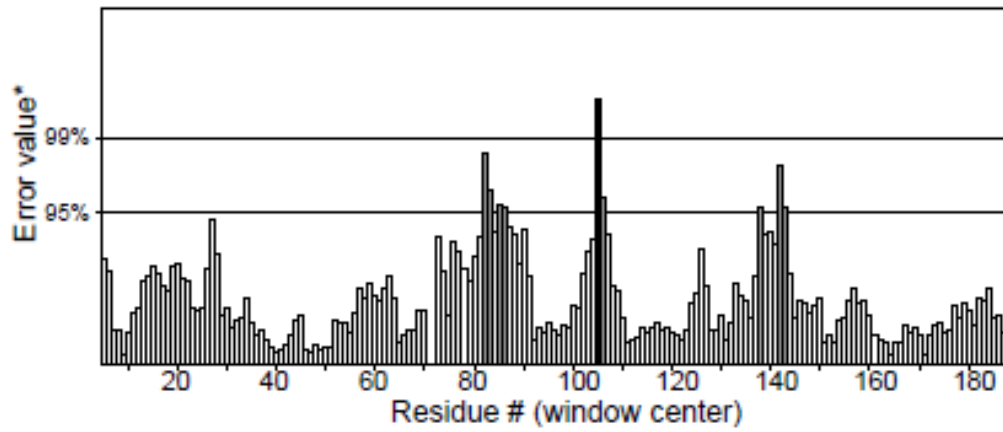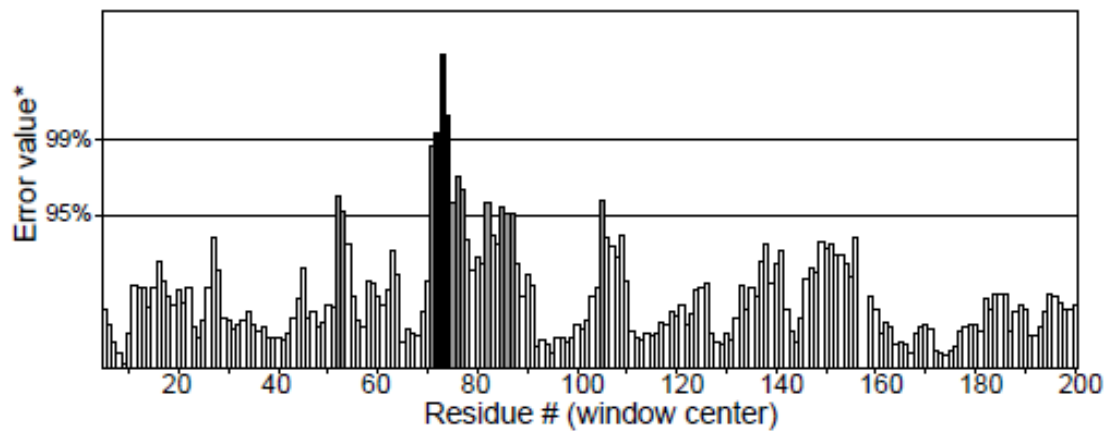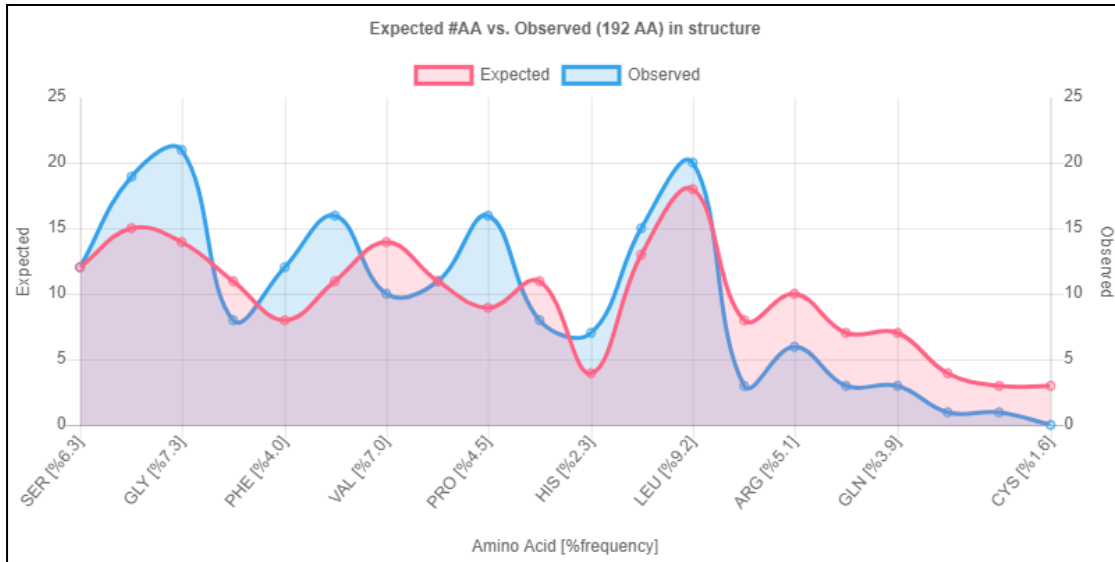
a)

b)

a)

Overall quality factor**: 95.055

b)
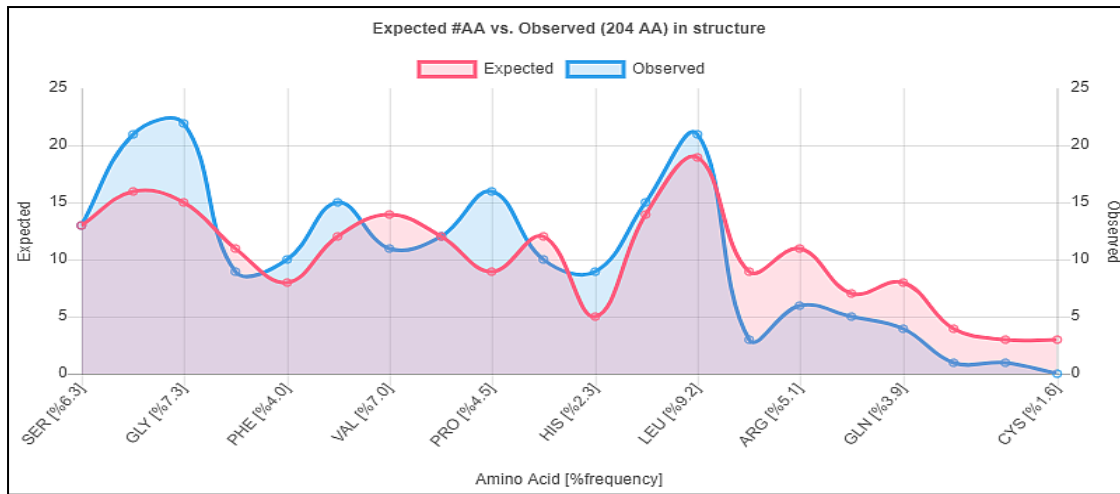
Overall quality factor**: 92.784

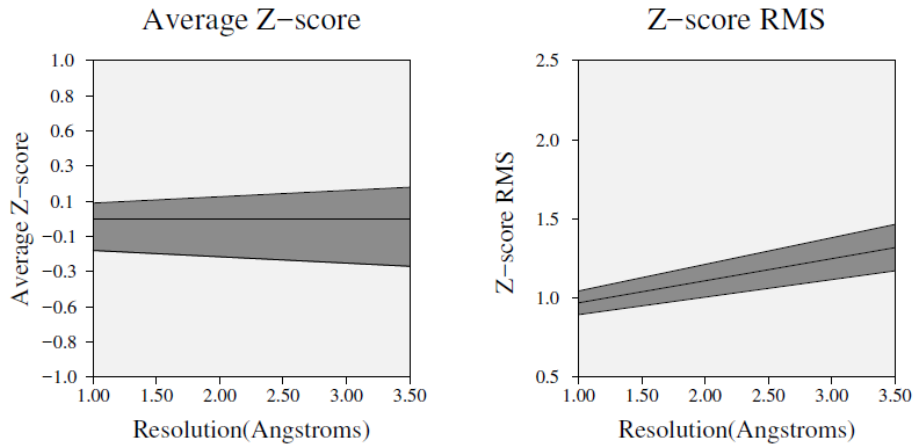**ERRAT results of a) ICP 7035 and b) ICPL 84023 showing overall quality factor.**

a)

b)

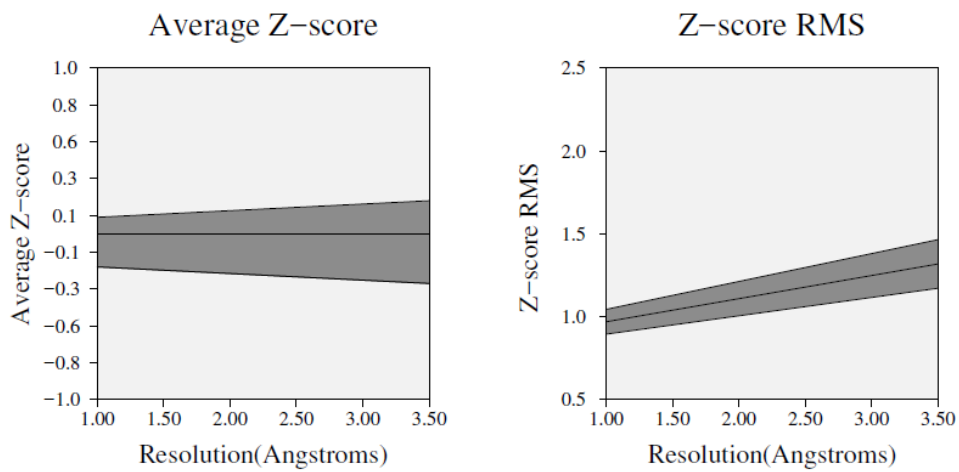**SAVES result of a) ICP 7035 and b) ICPL 84023 showing expected and observed amino acid distribution.**

a)

PROVE
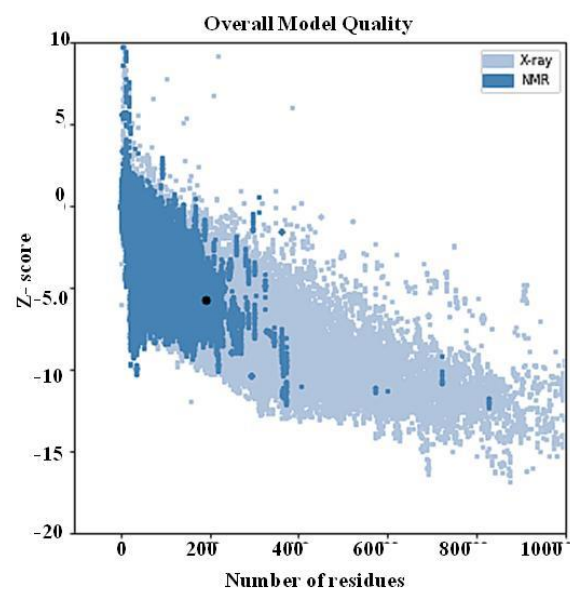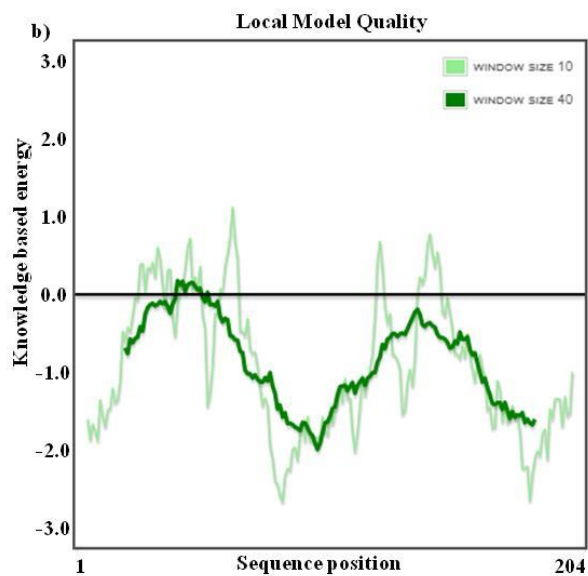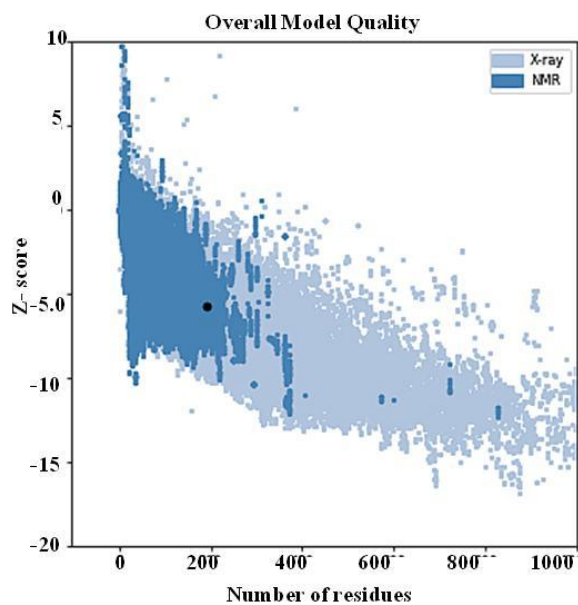4938963.pdb
Analysis of entire structure

Average Z−score

Z−score RMS

b)

PROVE
5464046.pdb
Analysis of entire structure

Average Z−score

Z−score RMS

PROVE results for a) ICP 7035 and b) ICPL 84023
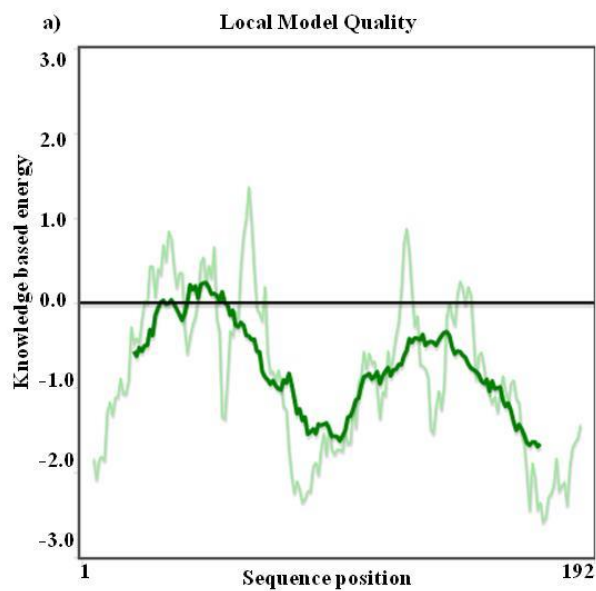
Local and overall model quality of a) ICP 7035 and b) ICPL 84023 structure using ProSA after energy minimization.