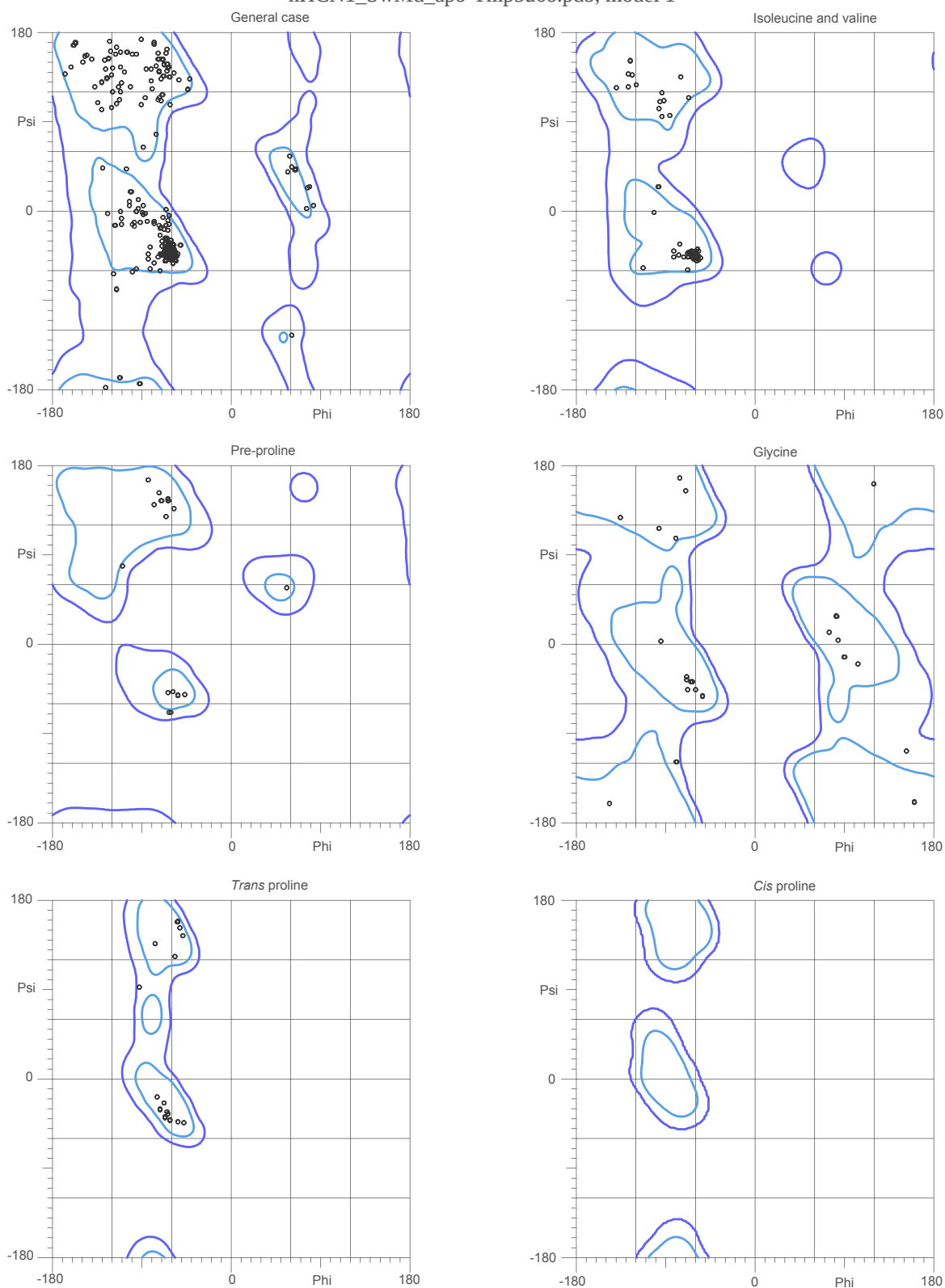


MolProbity Ramachandran analysis

hHCN1_SwMd_apo-Tmp5u6o.pdb, model 1

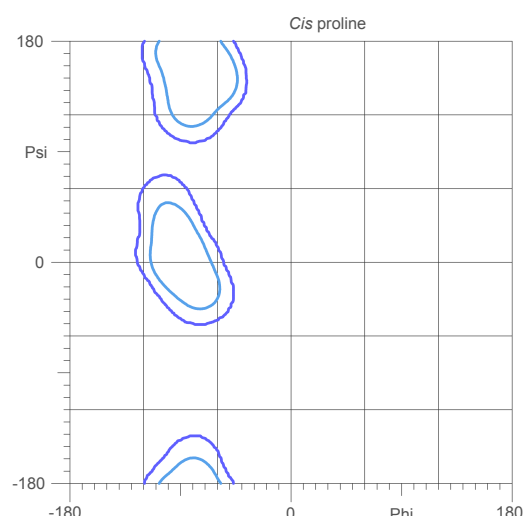
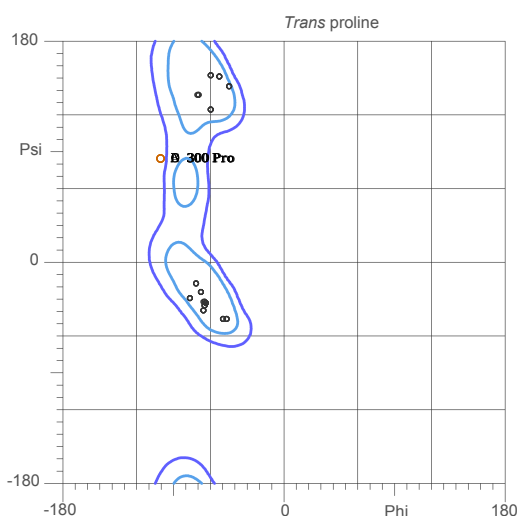
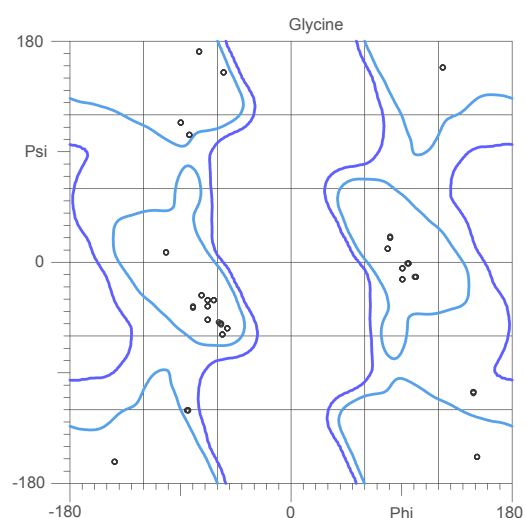
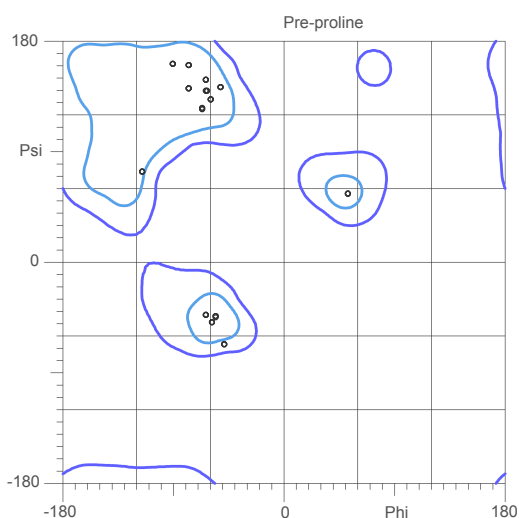
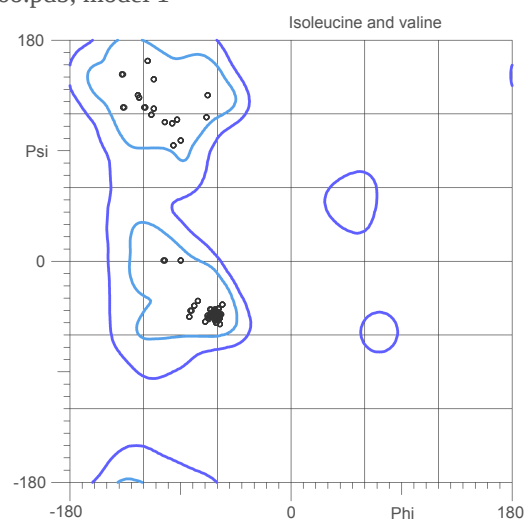
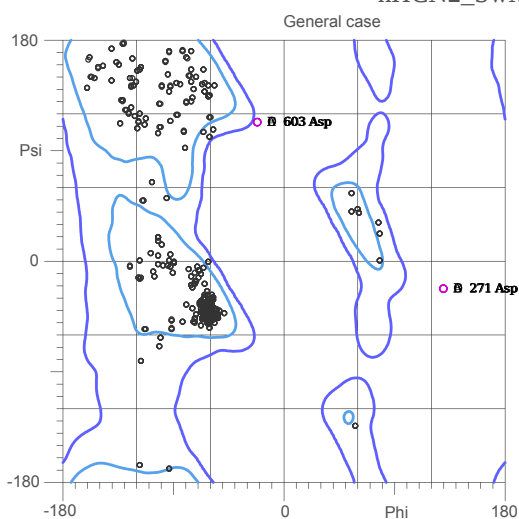


96.5% (1896/1964) of all residues were in favored (98%) regions.
100.0% (1964/1964) of all residues were in allowed (>99.8%) regions.

There were no outliers.

MolProbity Ramachandran analysis

hHCN2_SwMd_apo_5u6o.pdb, model 1



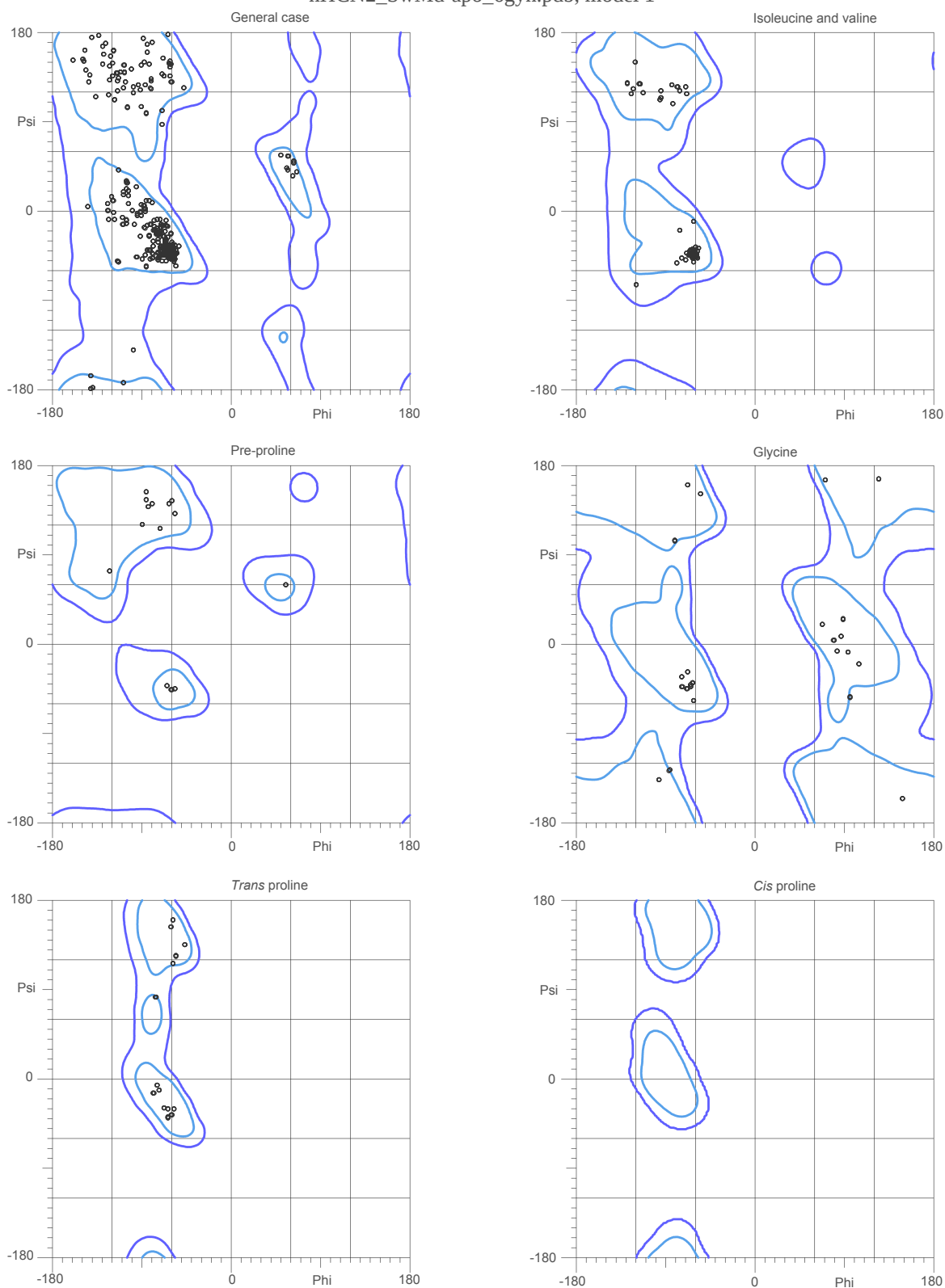
95.8% (1878/1960) of all residues were in favored (98%) regions.
99.4% (1948/1960) of all residues were in allowed (>99.8%) regions.

There were 12 outliers (phi, psi):

A 271 Asp (130.5, -22.3)	C 603 Asp (-22.4, 114.8)
A 300 Pro (-101.5, 85.5)	D 271 Asp (130.5, -22.3)
A 603 Asp (-22.7, 114.8)	D 300 Pro (-101.5, 85.5)
B 271 Asp (130.5, -22.1)	D 603 Asp (-22.6, 114.8)
B 300 Pro (-101.5, 85.5)	
B 603 Asp (-22.6, 114.7)	
C 271 Asp (130.5, -22.2)	
C 300 Pro (-101.5, 85.5)	

MolProbity Ramachandran analysis

hHCN2_SwMd-apo_6gyn.pdb, model 1

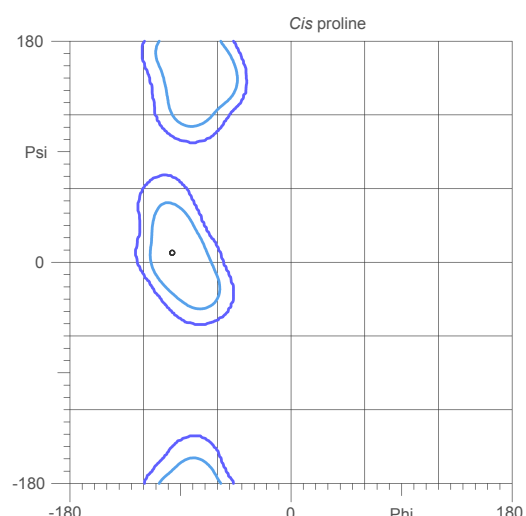
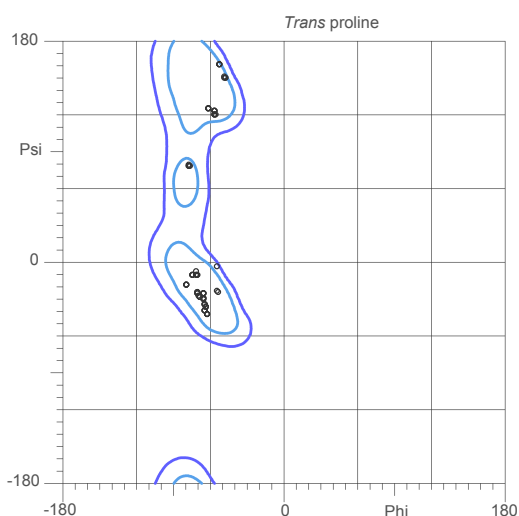
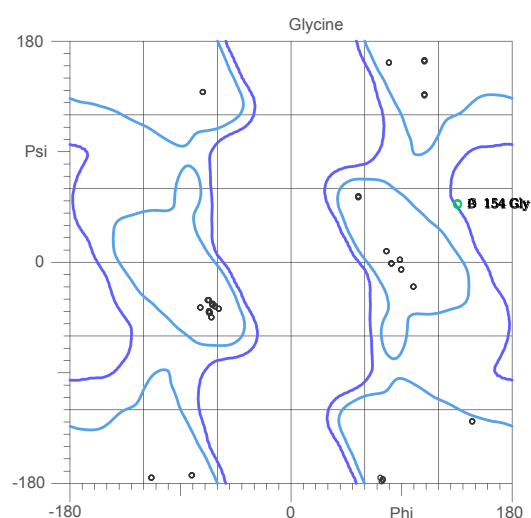
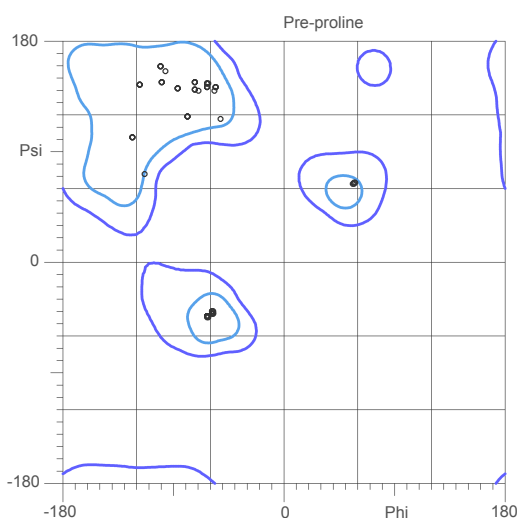
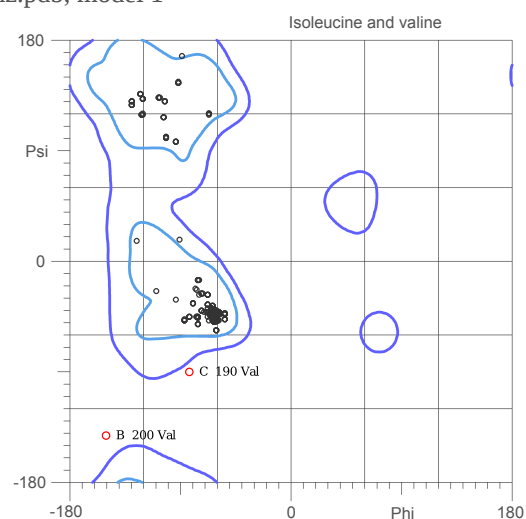
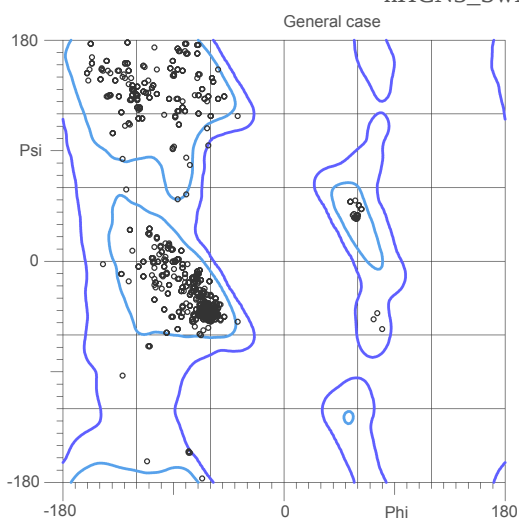


98.8% (1940/1964) of all residues were in favored (98%) regions.
100.0% (1964/1964) of all residues were in allowed (>99.8%) regions.

There were no outliers.

MolProbity Ramachandran analysis

hHCN3_SwMd-apo_8inz.pdb, model 1



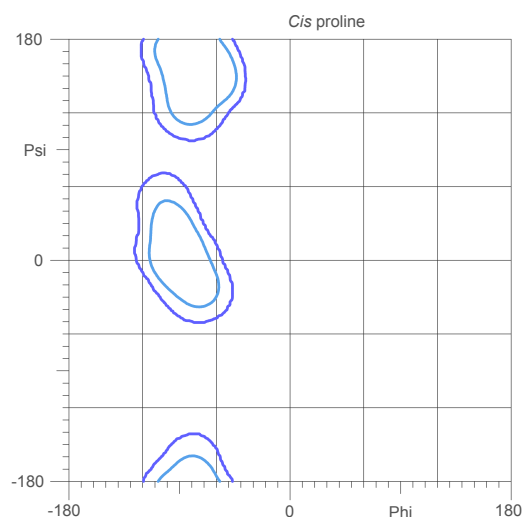
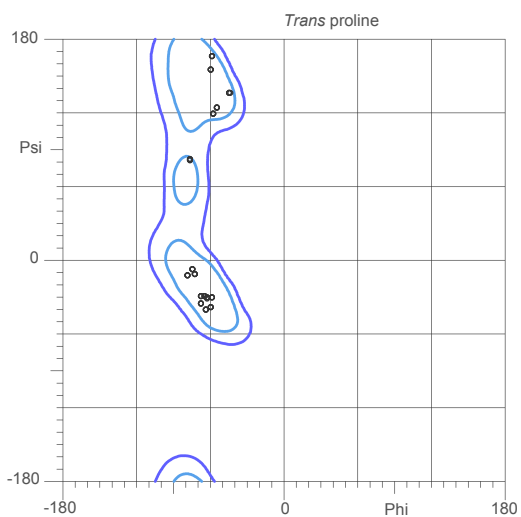
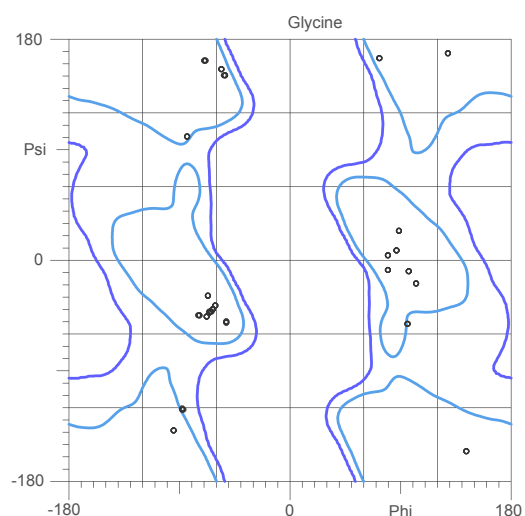
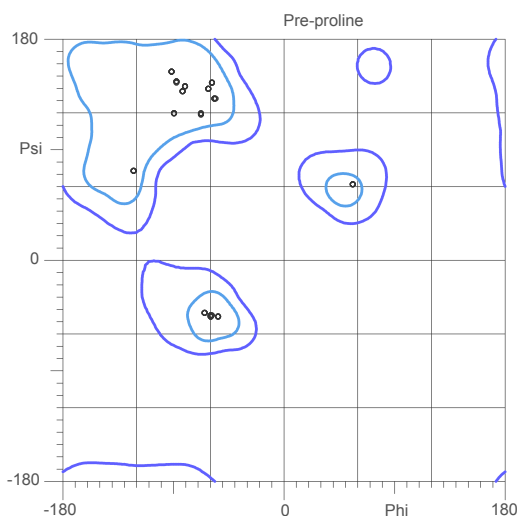
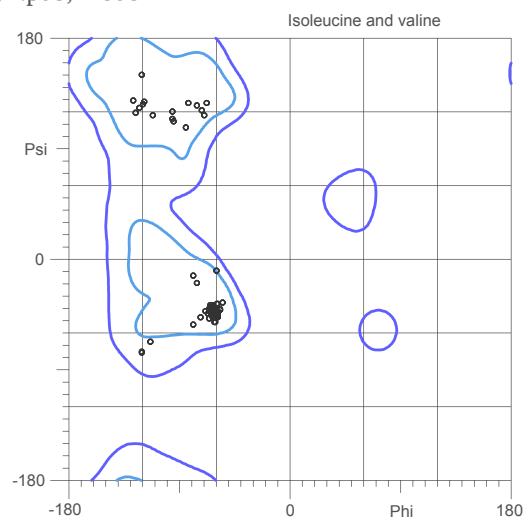
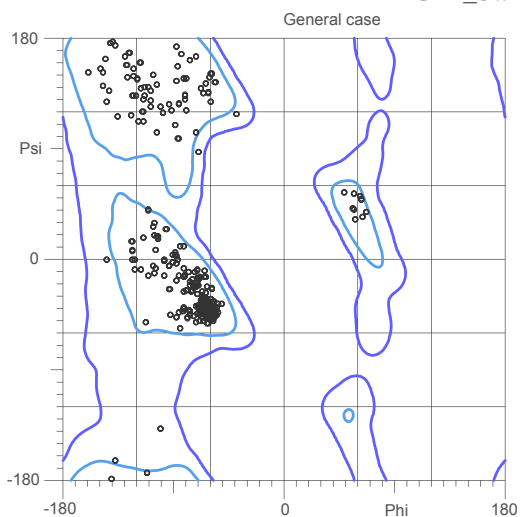
98.5% (1939/1968) of all residues were in favored (98%) regions.
99.7% (1962/1968) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):

- A 154 Gly (136.2, 48.1)
- B 154 Gly (136.1, 48.0)
- B 200 Val (-151.4, -142.0)
- C 154 Gly (136.2, 48.1)
- C 190 Val (-83.8, -90.8)
- D 154 Gly (136.2, 48.0)

MolProbity Ramachandran analysis

hHCN4_SwMd-apo_6gyn.pdb, model 1

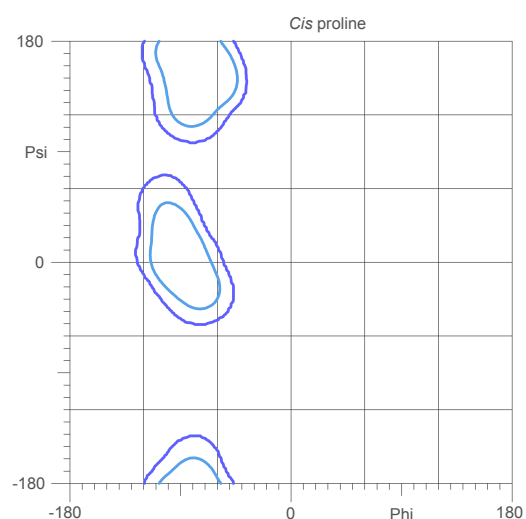
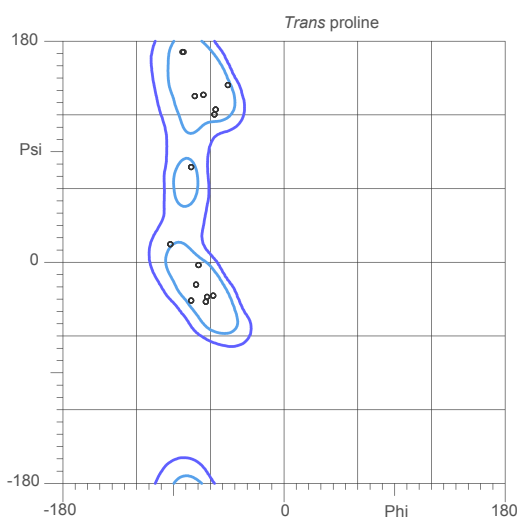
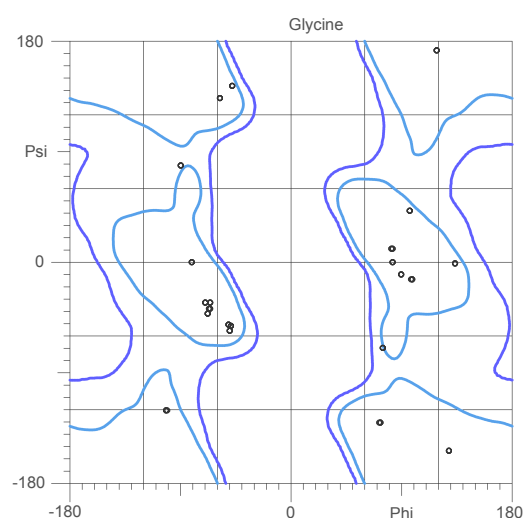
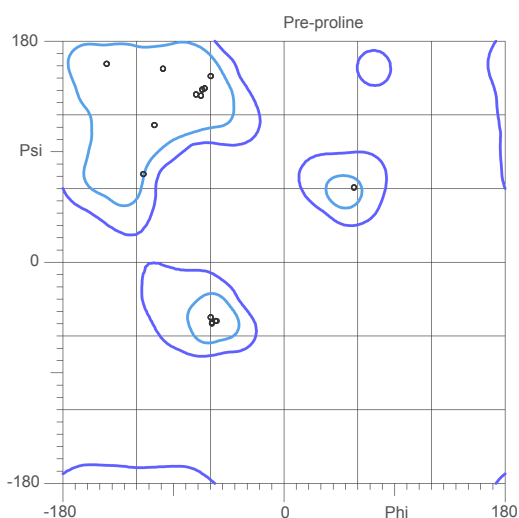
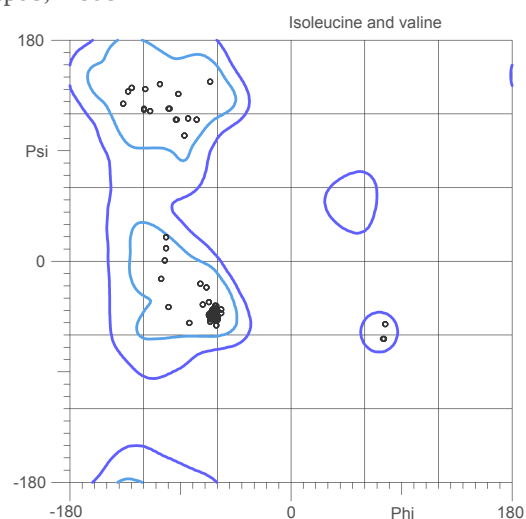
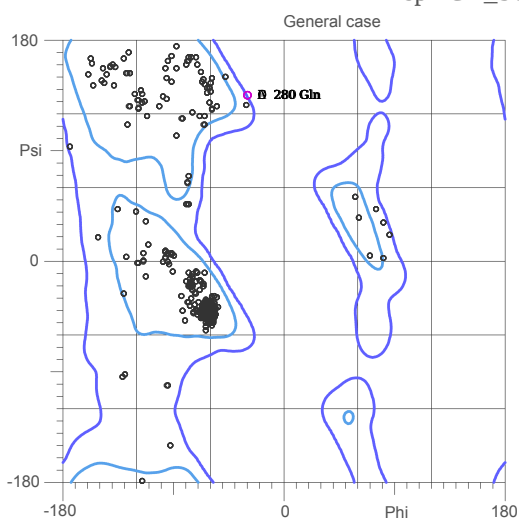


98.0% (1932/1972) of all residues were in favored (98%) regions.
100.0% (1972/1972) of all residues were in allowed (>99.8%) regions.

There were no outliers.

MolProbity Ramachandran analysis

spHCN_SwMd_8zzw.pdb, model 1



95.9% (1872/1952) of all residues were in favored (98%) regions.
99.8% (1948/1952) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- A 280 Gln (-30.3, 136.7)
- B 280 Gln (-30.4, 136.7)
- C 280 Gln (-30.3, 136.7)
- D 280 Gln (-30.3, 136.7)