MolProbity Ramachandran analysis

1air_.B99990015.pdb, model 1

General case

319 ALA
137 ASP
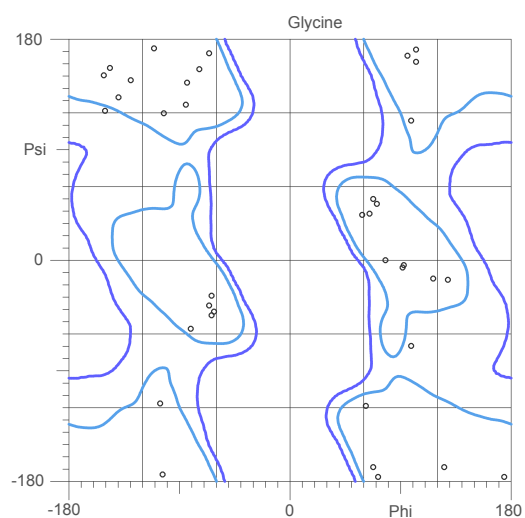299 ASP
20 SER
293 SER
109 LYS
298 ALA
86 GLU

Psi

Phi

Isoleucine and valine

29 ILE
205 ILE
54 ILE
53 VAL

Psi

Phi

Pre-proline

219 LEU
138 SER

Psi

Phi

Glycine

Psi

Phi

Trans proline

286 PRO
159 PRO

Psi

Phi

Cis proline

Psi

Phi
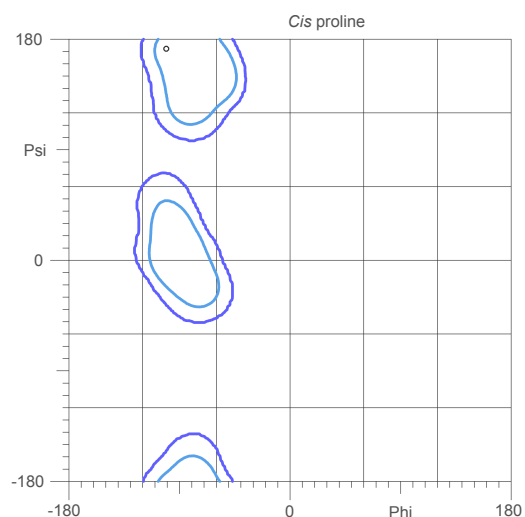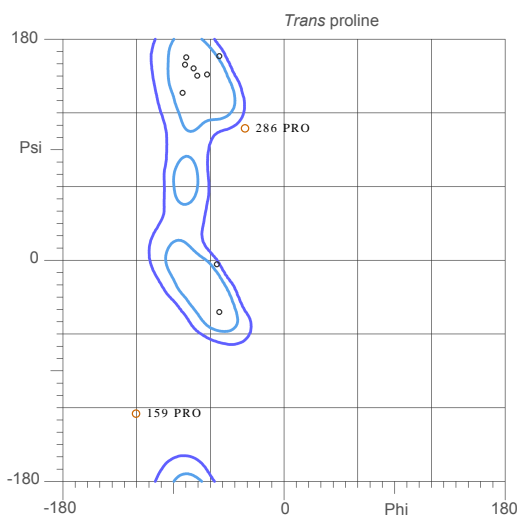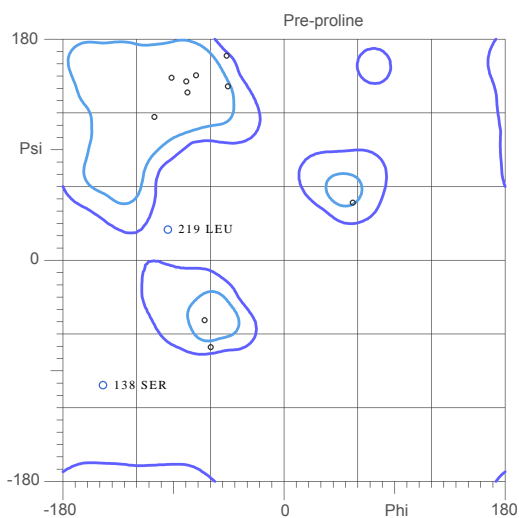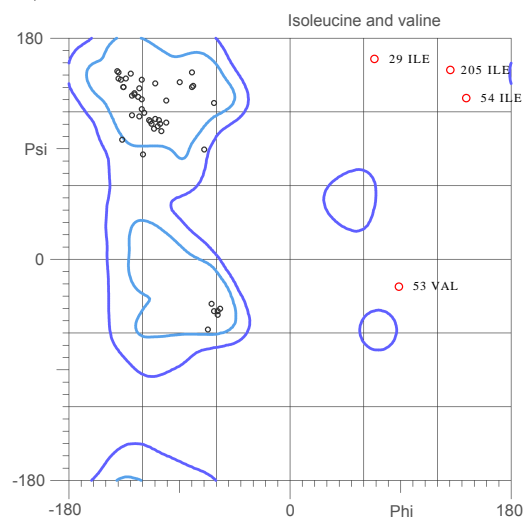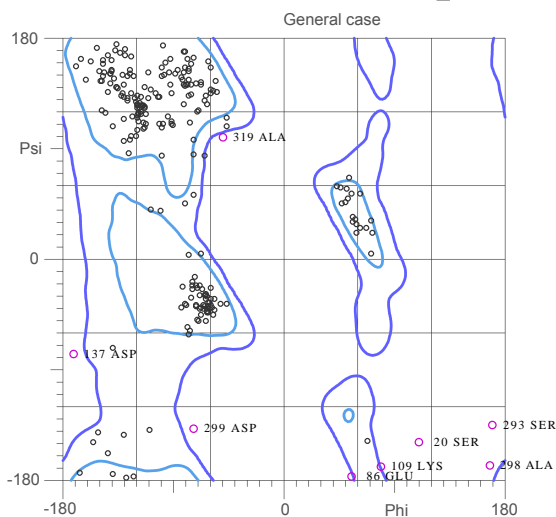
87.7% (307/350) of all residues were in favored (98%) regions.
95.4% (334/350) of all residues were in allowed (>99.8%) regions.

There were 16 outliers (phi, psi):
   20 SER (110.2, -149.9)
   29 ILE (69.4, 164.4)
   53 VAL (89.6, -22.3)
   54 ILE (144.7, 132.1)
   86 GLU (55.9, -177.7)
   109 LYS (79.8, -169.4)
   137 ASP (-172.1, -77.6)
   138 SER (-148.6, -102.4)
   159 PRO (-122.0, -125.8)
   205 ILE (131.7, 155.0)
   219 LEU (-95.4, 25.4)
   286 PRO (-32.8, 108.2)
   293 SER (170.5, -135.9)
   298 ALA (168.6, -168.4)
   299 ASP (-74.7, -138.4)
   319 ALA (-50.9, 100.4)