MolProbity Ramachandran analysis
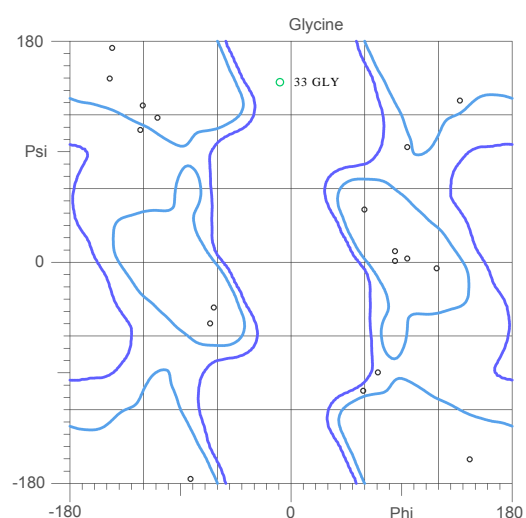
1a02N.B99990029.pdb, model 1

General case

Psi

Phi

132 MET
3 LEU
127 ASP
27 GLU
109 ASN
136 ASP
31 SER

Isoleucine and valine

Psi

Phi

160 VAL

Pre-proline

Psi

Phi

37 ALA

Glycine

Psi

Phi

33 GLY

Trans proline

Psi

Phi

180 PRO

Cis proline

Psi

Phi
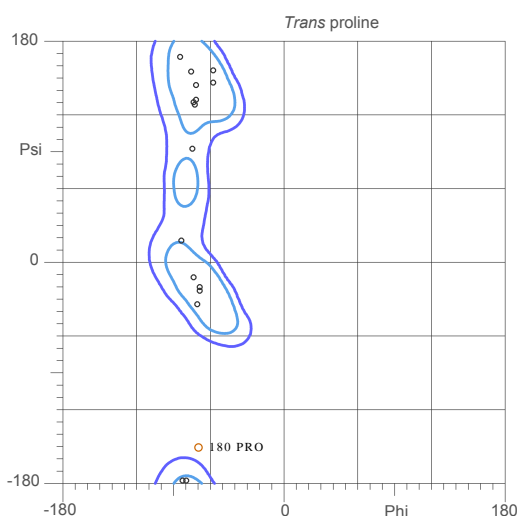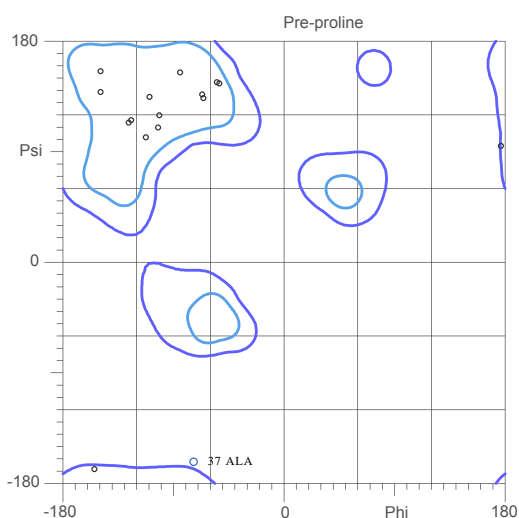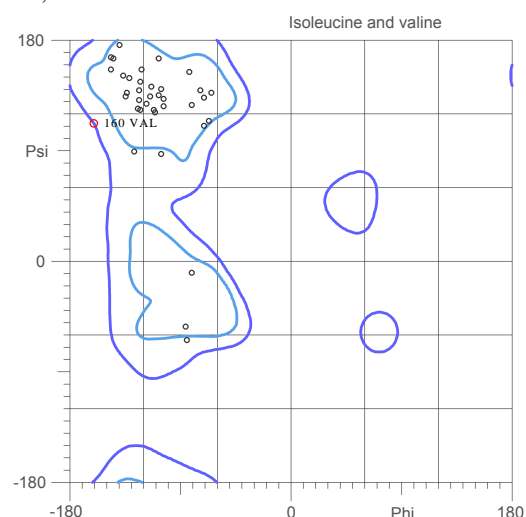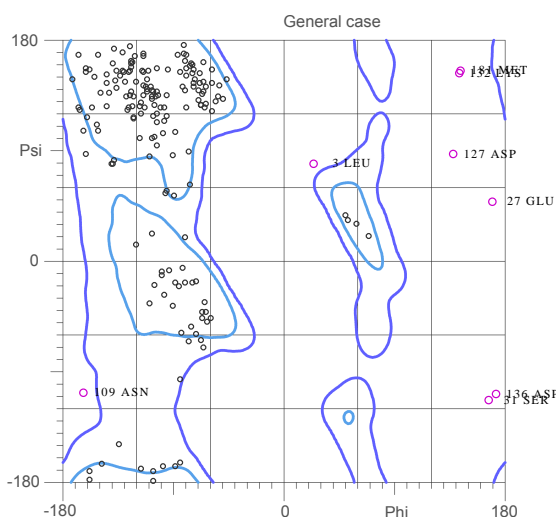
83,8% (233/278) of all residues were in favored (98%) regions.
95,7% (266/278) of all residues were in allowed (>99.8%) regions.

There were 12 outliers (phi, psi):
  3 LEU (24,9, 80,8)
  27 GLU (170,5, 49,2)
  31 SER (167,5, -113,8)
  33 GLY (-9,8, 147,9)
  37 ALA (-74,8, -163,7)
  109 ASN (-164,2, -107,7)
  127 ASP (138,9, 88,1)
  132 LYS (143,5, 154,1)
  136 ASP (173,4, -108,0)
  160 VAL (-161,5, 113,2)
  180 PRO (-70,2, -151,7)
  181 MET (145,0, 156,9)