MolProbity Ramachandran analysis
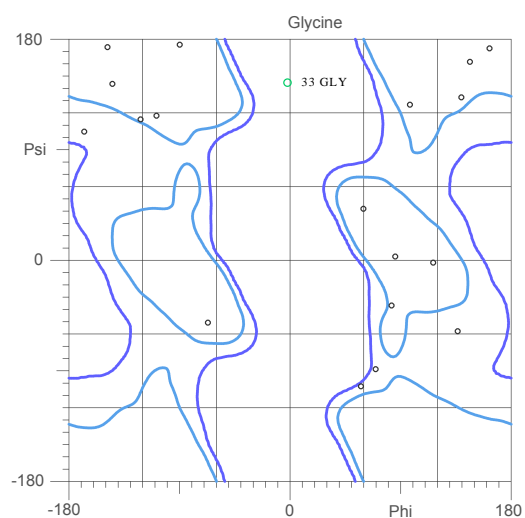
1a02N.B99990007.pdb, model 1

General case

Isoleucine and valine

Pre-proline

Glycine

Trans proline

Cis proline

○ 183 GLU
○ 181 MET
○ 27 GLU
○ 31 SER
○ 109 ASN
○ 179 LEU
○ 37 ALA
○ 33 GLY
○ 180 PRO
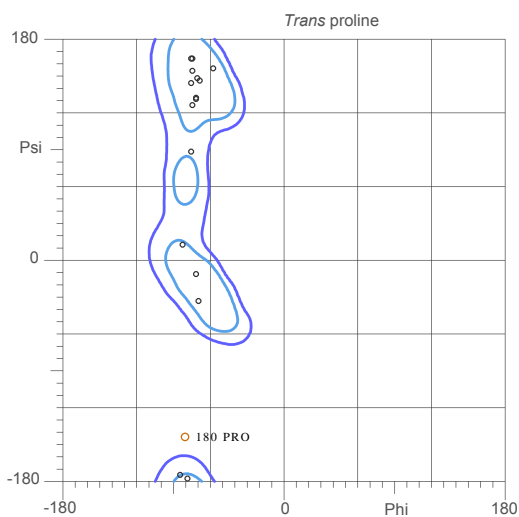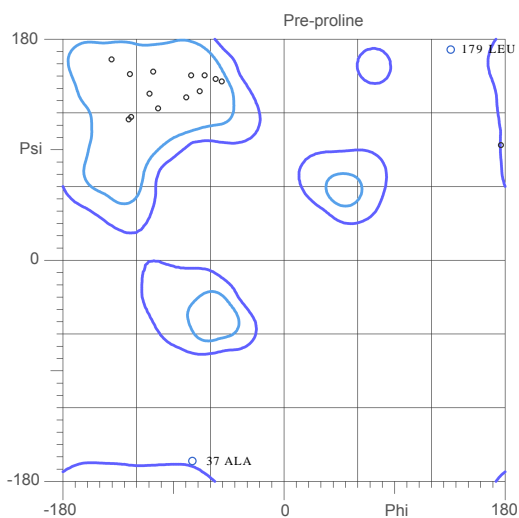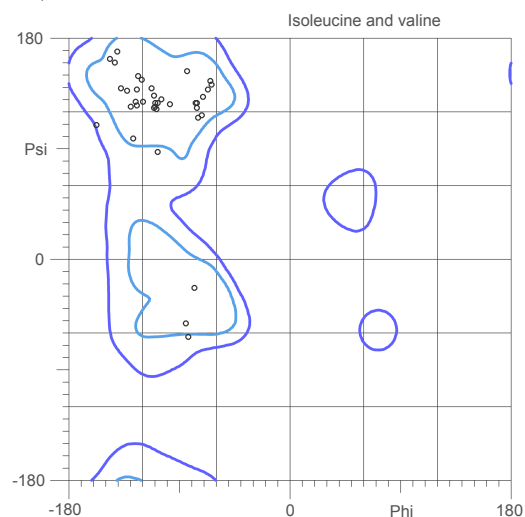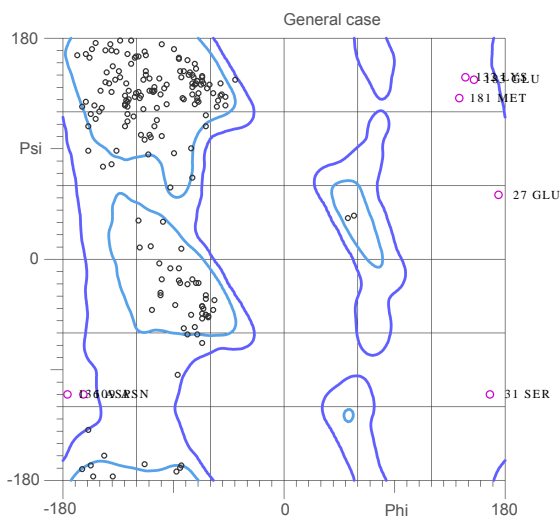
87.4% (243/278) of all residues were in favored (98%) regions.
96.0% (267/278) of all residues were in allowed (>99.8%) regions.

There were 11 outliers (phi, psi):
    27 GLU (175.0, 53.6)
    31 SER (168.2, -110.6)
    33 GLY (-2.0, 145.4)
    37 ALA (-76.0, -164.4)
    109 ASN (-164.8, -110.0)
    132 LYS (148.5, 149.2)
    136 ASP (-177.4, -110.1)
    179 LEU (136.9, 172.1)
    180 PRO (-81.3, -144.7)
    181 MET (143.2, 132.5)
    183 GLU (155.3, 147.2)

Lovell, Davis, et al. Proteins 50:437 (2003)