MolProbity Ramachandran analysis

1air_.B99990047.pdb, model 1

General case

Isoleucine and valine
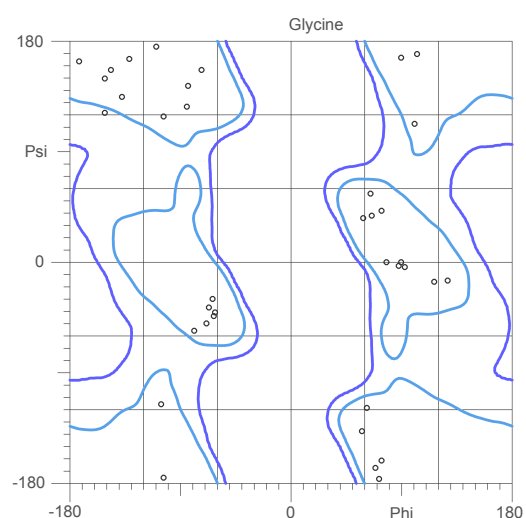
○ 137 ASP

○ 293 SER

○ 20 SER

○ 299 ASP

○ 29 ILE   ○ 205 ILE

○ 54 ILE

○ 53 VAL

Pre-proline

○ 285 LYS

○ 219 LEU
○ 158 THR

Glycine

Trans proline

○ 286 PRO

○ 159 PRO

Cis proline
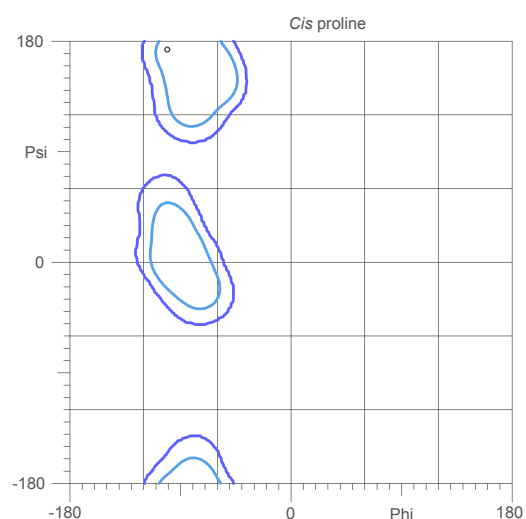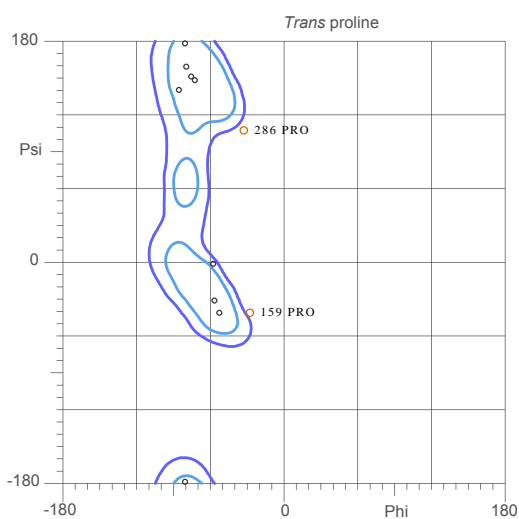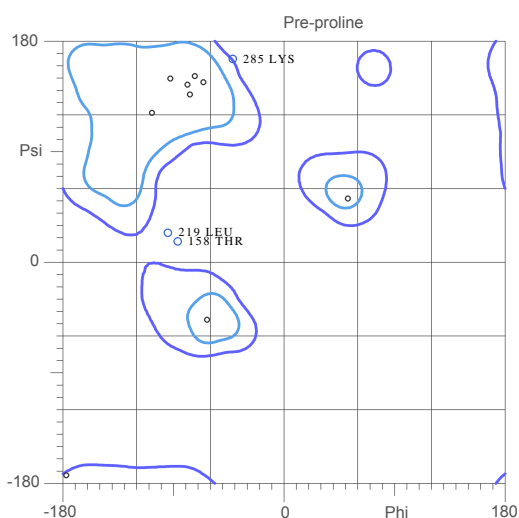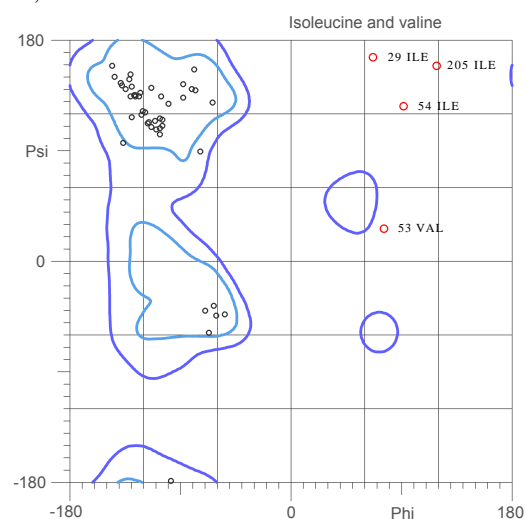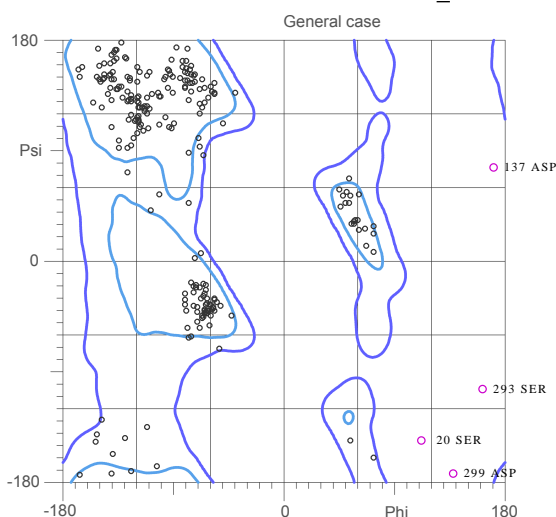
88.0% (308/350) of all residues were in favored (98%) regions.
96.3% (337/350) of all residues were in allowed (>99.8%) regions.

There were 13 outliers (phi, psi):
    20 SER (112.1, -146.2)
    29 ILE (67.7, 168.0)
    53 VAL (76.0, 27.8)
    54 ILE (92.1, 127.9)
    137 ASP (171.7, 77.3)
    158 THR (-87.7, 17.2)
    159 PRO (-28.3, -41.3)
    205 ILE (119.9, 160.5)
    219 LEU (-95.1, 24.5)
    285 LYS (-42.7, 166.7)
    286 PRO (-33.6, 108.9)
    293 SER (162.7, -104.3)
    299 ASP (138.5, -173.9)

http://kinemage.biochem.duke.edu

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