# MolProbity Ramachandran analysis
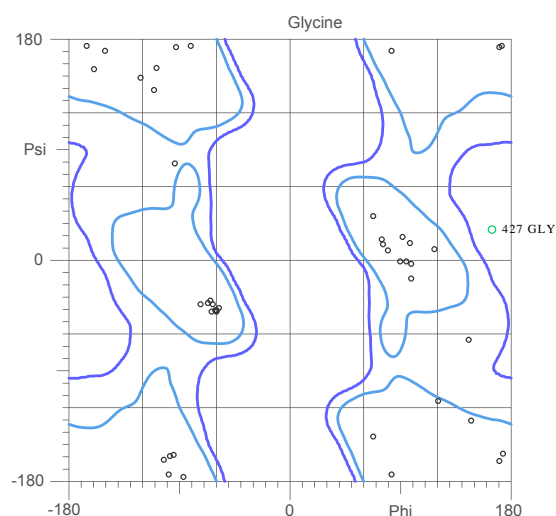
1a4sA.B99990009.pdb, model 1



General case

Isoleucine and valine

○ 372 SER

Pre-proline

Glycine

○ 370 THR

○ 427 GLY

*Trans* proline

*Cis* proline
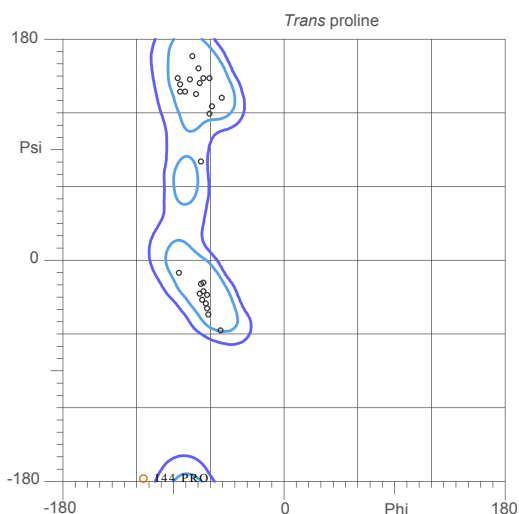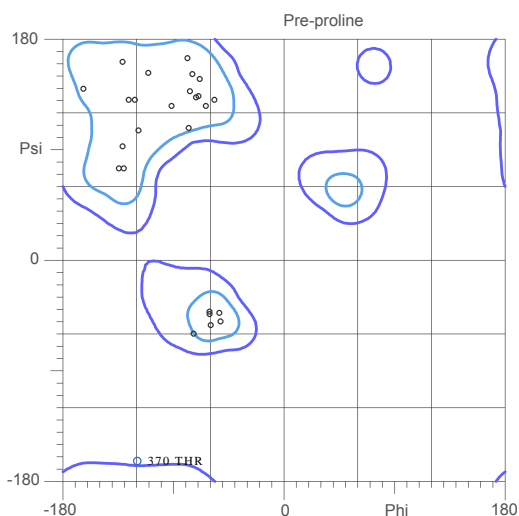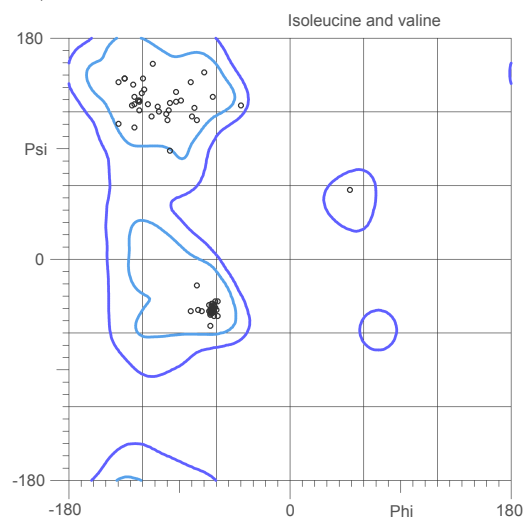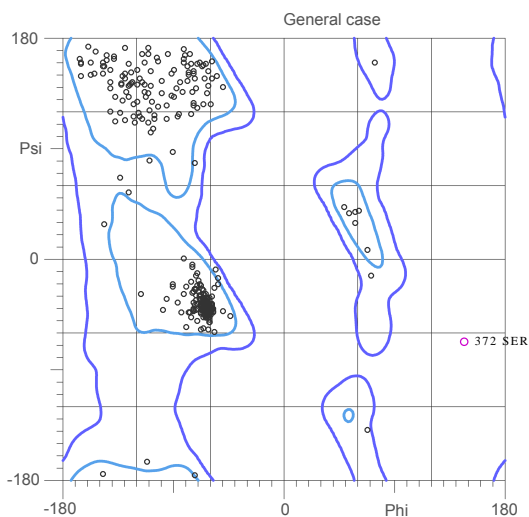
○ 144 PRO

95,4% (478/501) of all residues were in favored (98%) regions.
99,2% (497/501) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):
    144 PRO (-115,3, -178,8)
    370 THR (-120,8, -164,9)
    372 SER (147,9, -67,9)
    427 GLY (165,4, 25,7)

http://kinemage.biochem.duke.edu

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