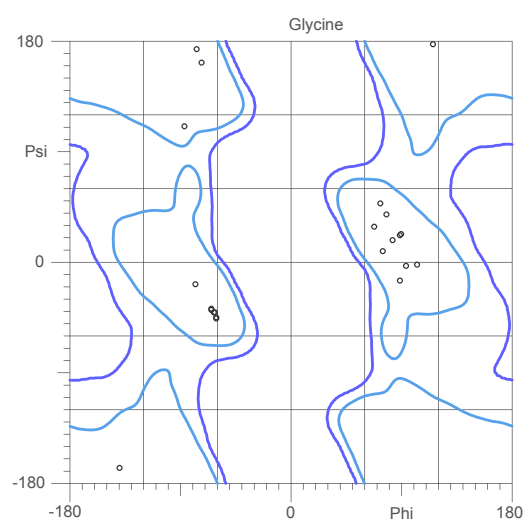# MolProbity Ramachandran analysis

1a4mA.B99990019.pdb, model 1

General case

Isoleucine and valine

○ 109 VAL

○ 292 ASP
○ 235 HIS
○ 108 LYS

Pre-proline

○ 110 ASP

Glycine

Trans proline

Cis proline
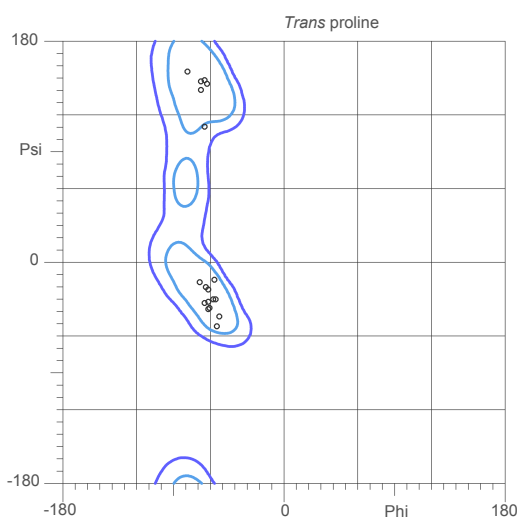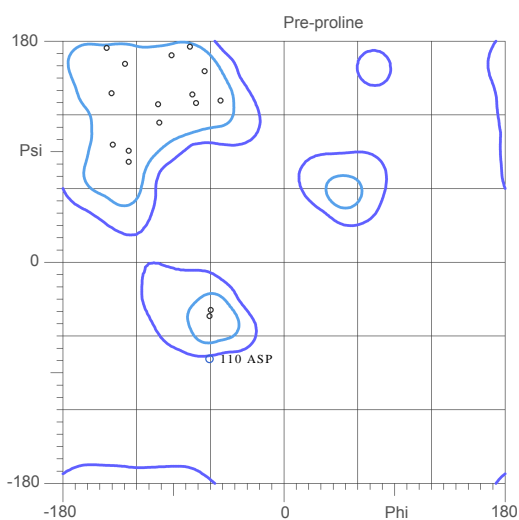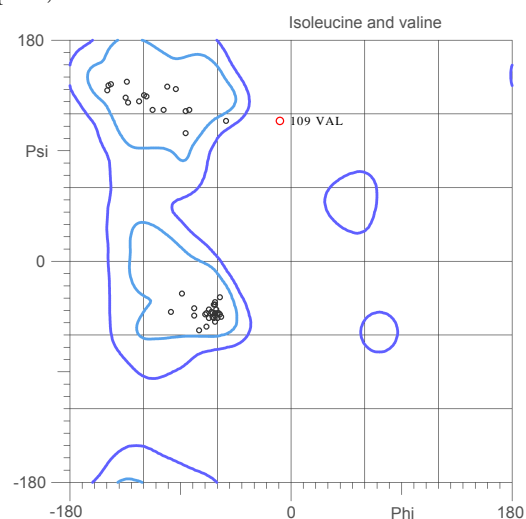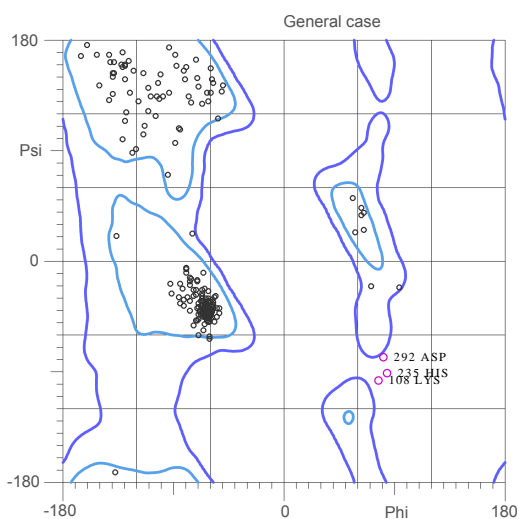
96,8% (336/347) of all residues were in favored (98%) regions.
98,6% (342/347) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):
    108 LYS (77,5, -97,1)
    109 VAL (-9,7, 115,7)
    110 ASP (-61,2, -79,1)
    235 HIS (84,1, -91,5)
    292 ASP (81,1, -78,3)

http://kinemage.biochem.duke.edu

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