MolProbity Ramachandran analysis

1ac5_.B99990023.pdb, model 1

General case

106 SER
38 SER
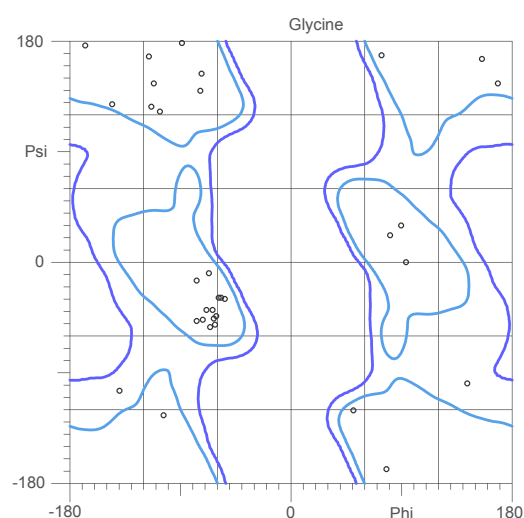230 GLU
129 ASN
233 LEU
33 HIS
127 GLU
42 ASP

Isoleucine and valine

375 ILE
126 VAL

Pre-proline

162 PHE

Glycine

Trans proline

360 PRO
451 PRO

Cis proline
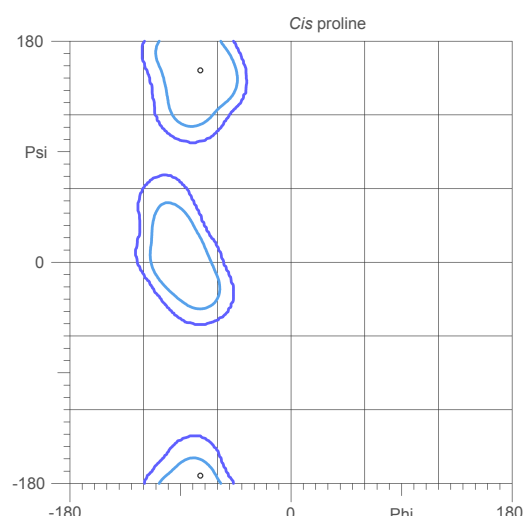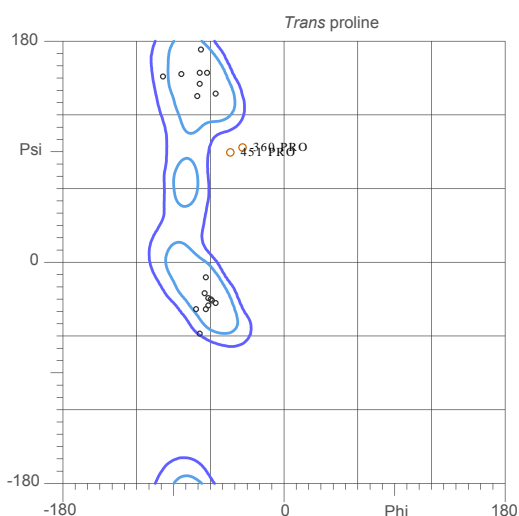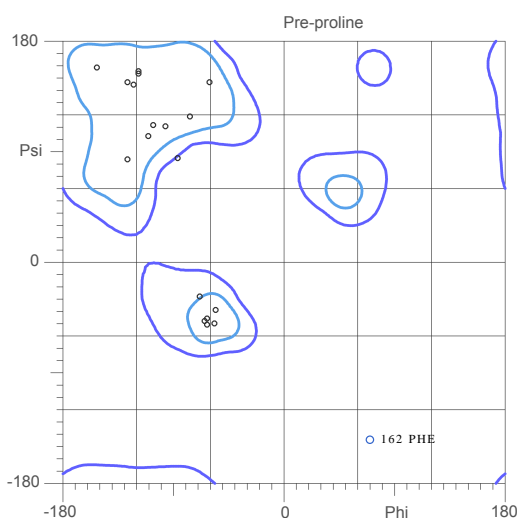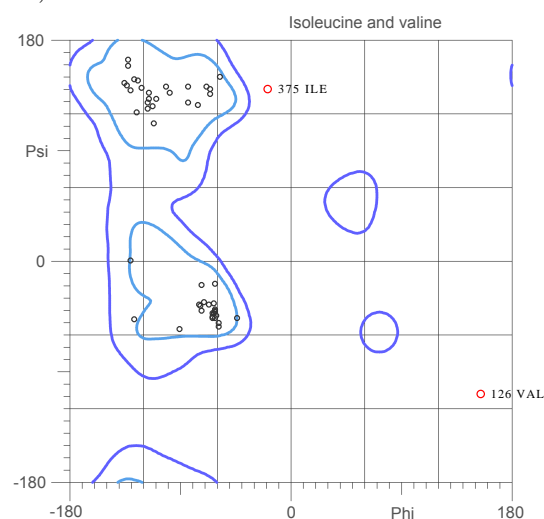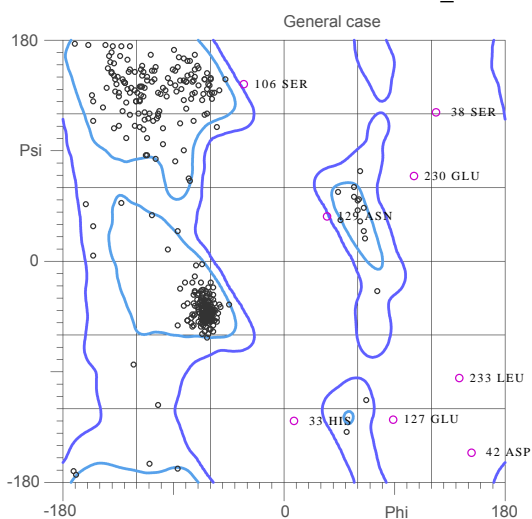
92,3% (444/481) of all residues were in favored (98%) regions.
97,3% (468/481) of all residues were in allowed (>99.8%) regions.

There were 13 outliers (phi, psi):
    33 HIS (8,7, -130,1)
    38 SER (124,5, 122,6)
    42 ASP (153,2, -156,5)
    106 SER (-33,8, 145,5)
    126 VAL (155,1, -108,3)
    127 GLU (90,0, -129,3)
    129 ASN (35,0, 37,3)
    162 PHE (70,9, -145,6)
    230 GLU (106,8, 71,0)
    233 LEU (143,7, -95,9)
    360 PRO (-34,3, 94,5)
    375 ILE (-19,6, 141,5)
    451 PRO (-44,2, 90,8)

http://kinemage.biochem.duke.edu

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