# MolProbity Ramachandran analysis

1ac5_.B99990007.pdb, model 1

## General case

106 SER
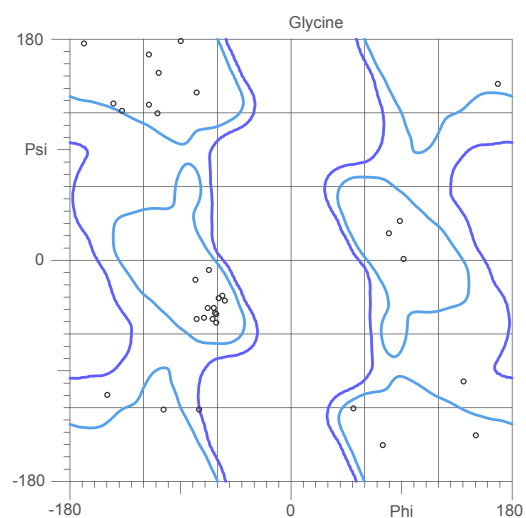129 ASN
128 GLN
230 GLU
232 LYS
233 LEU
33 HIS
42 ASP
38 SER

Psi / Phi

## Isoleucine and valine

375 ILE
411 VAL

Psi / Phi

## Pre-proline

Psi / Phi

## Glycine

Psi / Phi

## *Trans* proline

360 PRO
451 PRO

Psi / Phi

## *Cis* proline

Psi / Phi
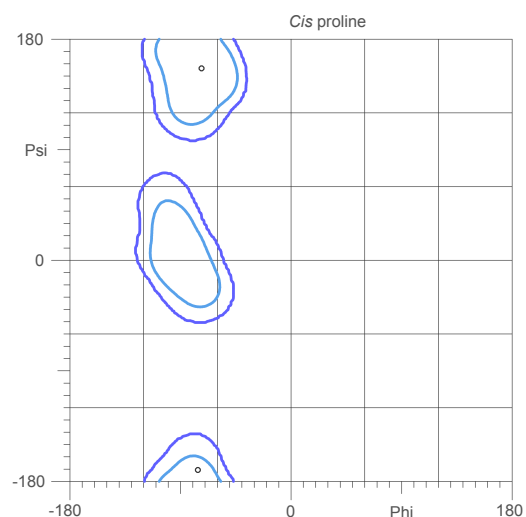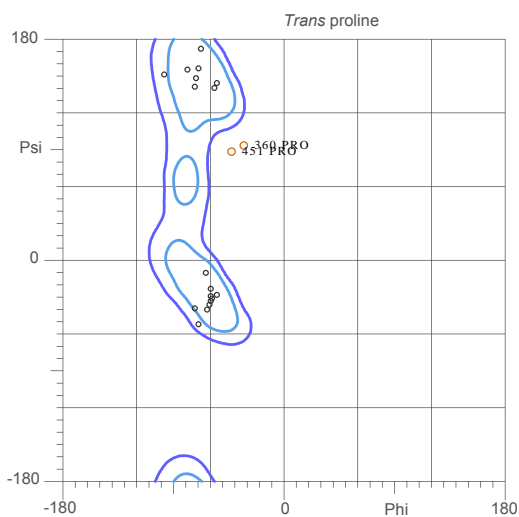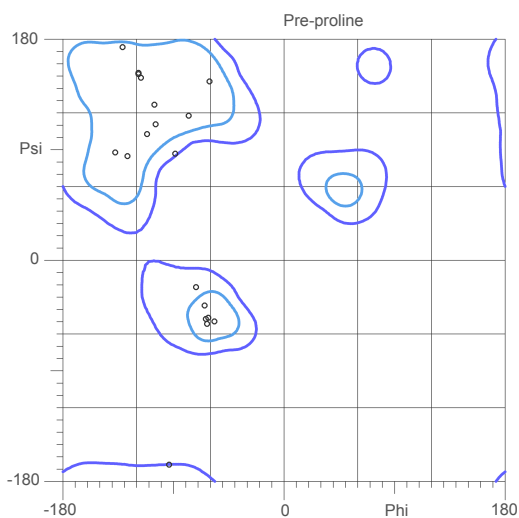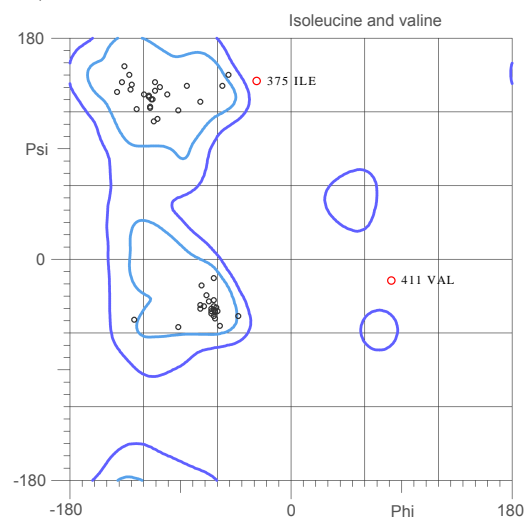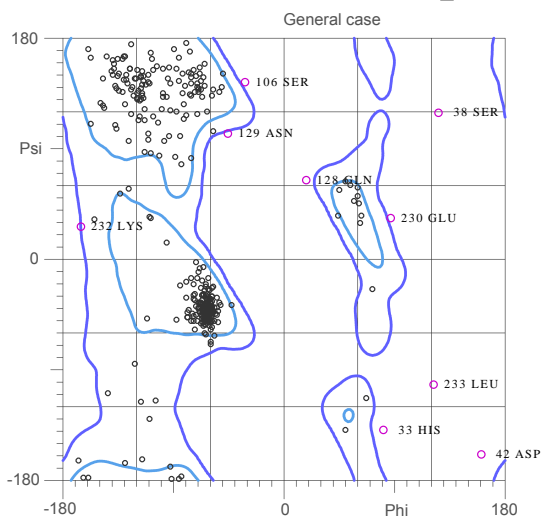
90.9% (437/481) of all residues were in favored (98%) regions.
97.3% (468/481) of all residues were in allowed (>99.8%) regions.

There were 13 outliers (phi, psi):
    33 HIS (81.3, -139.8)
    38 SER (126.7, 120.7)
    42 ASP (161.8, -159.8)
    106 SER (-32.9, 145.5)
    128 GLN (18.1, 65.1)
    129 ASN (-46.9, 103.4)
    230 GLU (87.7, 34.2)
    232 LYS (-166.3, 27.7)
    233 LEU (122.9, -102.0)
    360 PRO (-33.7, 94.7)
    375 ILE (-28.7, 146.6)
    411 VAL (82.8, -17.8)
    451 PRO (-43.3, 89.7)