MolProbity Ramachandran analysis

1aco_.B99990003.pdb, model 1

General case

Isoleucine and valine

Pre-proline

Glycine

Trans proline

Cis proline

- 356 SER
- 460 ALA
- 77 MET
- 364 ASP
- 128 THR
- 747 MET
- 668 GLU
- 384 SER
- 341 GLU
- 588 ASN
- 42 VAL
- 615 VAL
- 155 TYR
- 232 GLY
- 156 PRO
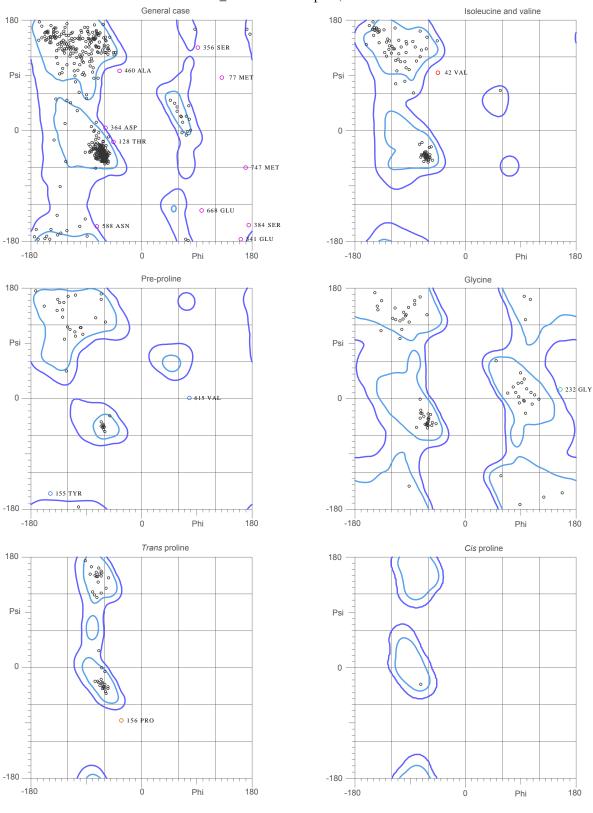
91.9% (690/751) of all residues were in favored (98%) regions.
98.0% (736/751) of all residues were in allowed (>99.8%) regions.

There were 15 outliers (phi, psi):
    42 VAL (-45.9, 95.7)
    77 MET (131.1, 87.9)
    128 THR (-46.2, -18.0)
    155 TYR (-149.9, -155.4)
    156 PRO (-33.2, -86.7)
    232 GLY (156.0, 15.6)
    341 GLU (162.7, -177.3)
    356 SER (92.6, 136.0)
    364 ASP (-59.4, 5.8)
    384 SER (175.1, -154.8)
    460 ALA (-36.5, 98.8)
    588 ASN (-73.7, -156.7)
    615 VAL (78.5, 1.5)
    668 GLU (98.7, -130.2)
    747 MET (170.9, -60.4)

http://kinemage.biochem.duke.edu

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