MolProbity Ramachandran analysis

1aco_.B99990048.pdb, model 1

General case

335 GLU
356 SER
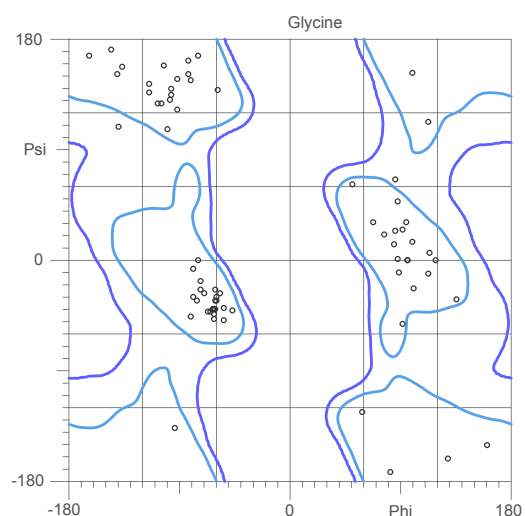77 MET
385 GLN
364 ASP
128 THR
747 MET
460 ALA
668 GLU
341 GLU
428 ASP
489 LYS

Isoleucine and valine

42 VAL
666 ILE
333 VAL

Pre-proline

615 VAL

Glycine

Trans proline

Cis proline
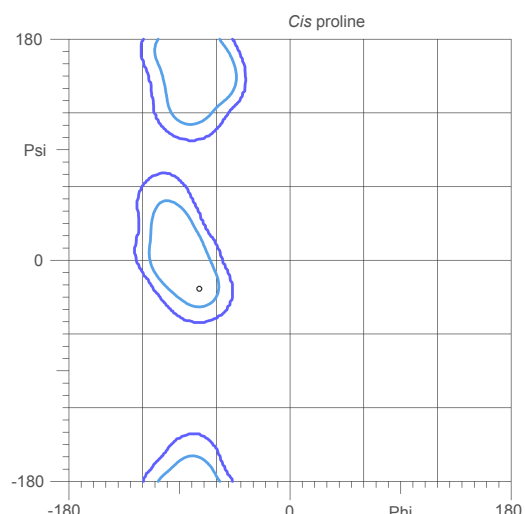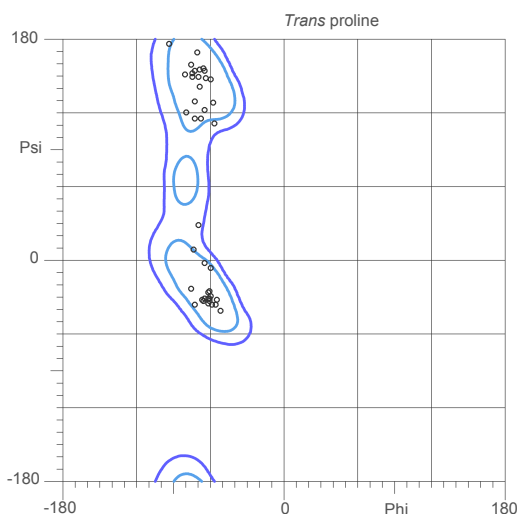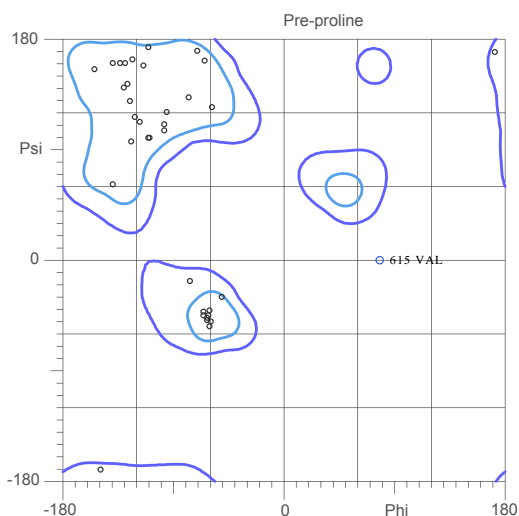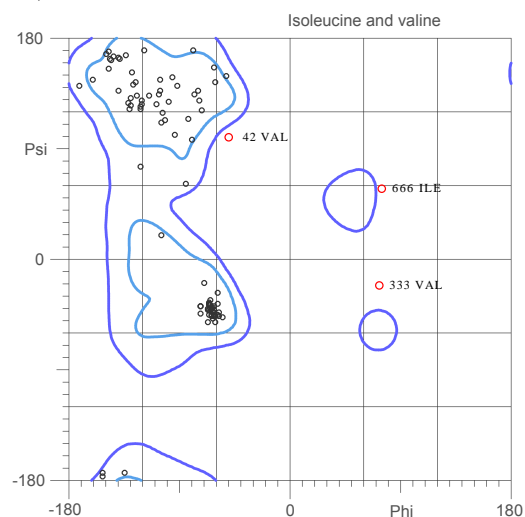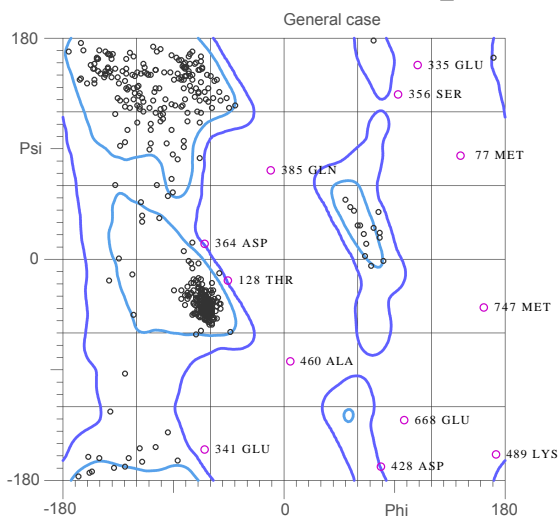
91.9% (690/751) of all residues were in favored (98%) regions.
97.9% (735/751) of all residues were in allowed (>99.8%) regions.

There were 16 outliers (phi, psi):
   42 VAL (-50.9, 100.8)
   77 MET (144.3, 85.9)
   128 THR (-46.6, -17.3)
   333 VAL (73.7, -21.9)
   335 GLU (109.9, 159.5)
   341 GLU (-65.3, -156.0)
   356 SER (93.3, 135.6)
   364 ASP (-65.2, 13.8)
   385 GLN (-11.2, 73.8)
   428 ASP (79.3, -169.8)
   460 ALA (5.6, -83.9)
   489 LYS (173.5, -159.6)
   615 VAL (78.0, 0.8)
   666 ILE (75.5, 58.9)
   668 GLU (98.7, -131.3)
   747 MET (163.4, -39.6)

http://kinemage.biochem.duke.edu

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