MolProbity Ramachandran analysis

1air_.B99990048.pdb, model 1

General case

Psi

299 ASP

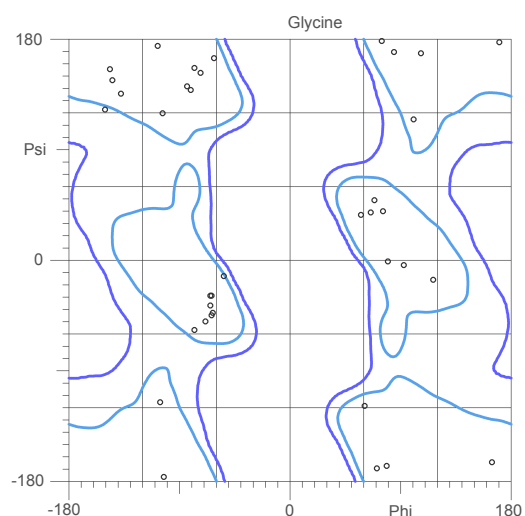157 ASP

297 THR

109 LYS 20 SER

Phi

Isoleucine and valine

Psi

29 ILE

205 ILE

54 ILE

53 VAL

340 VAL

294 ILE

Phi

Pre-proline

Psi

315 PHE

219 LEU

Phi

Glycine

Psi

Phi

Trans proline

Psi

286 PRO

159 PRO

Phi

Cis proline

Psi

Phi
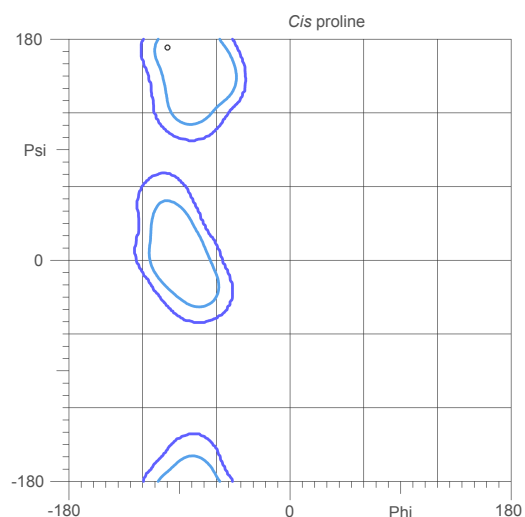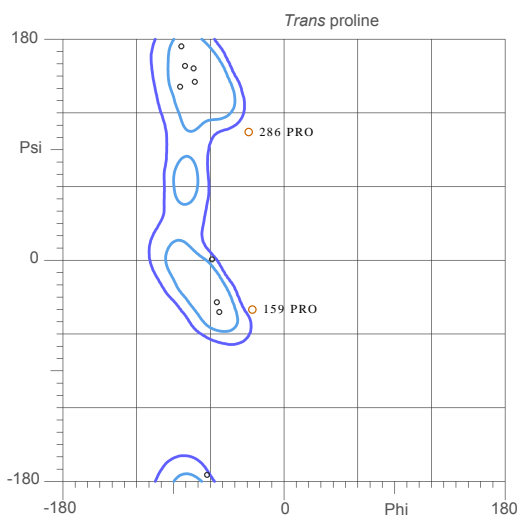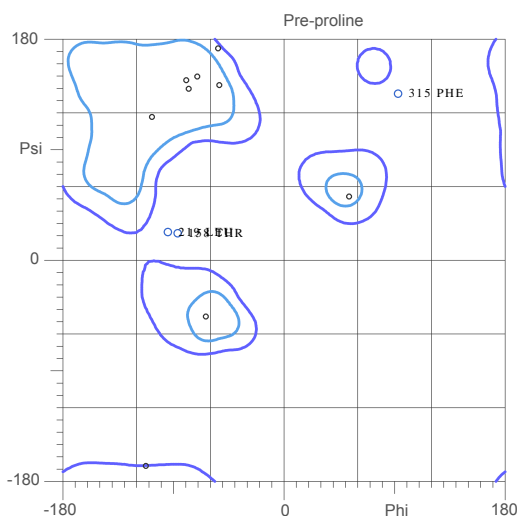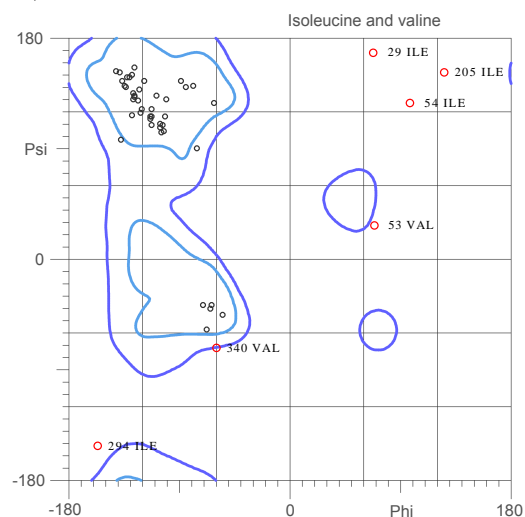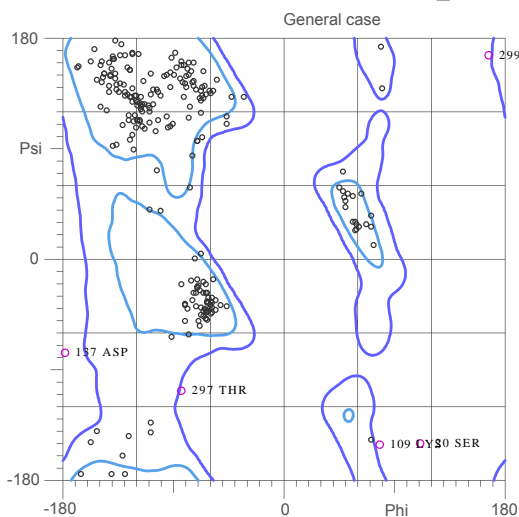
86,9% (304/350) of all residues were in favored (98%) regions.
95,4% (334/350) of all residues were in allowed (>99.8%) regions.

There were 16 outliers (phi, psi):
20 SER (111,6, -150,3)
29 ILE (68,4, 169,1)
53 VAL (69,1, 28,5)
54 ILE (98,8, 128,1)
109 LYS (78,7, -151,2)
137 ASP (-179,3, -76,6)
158 THR (-87,3, 22,2)
159 PRO (-26,9, -41,0)
205 ILE (127,0, 153,7)
219 LEU (-95,3, 23,7)
286 PRO (-29,1, 105,1)
294 ILE (-157,5, -152,9)
297 THR (-84,2, -107,8)
299 ASP (167,5, 167,7)
315 PHE (93,7, 136,8)
340 VAL (-60,9, -72,0)

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