MolProbity Ramachandran analysis

1air_.B99990013.pdb, model 1

General case

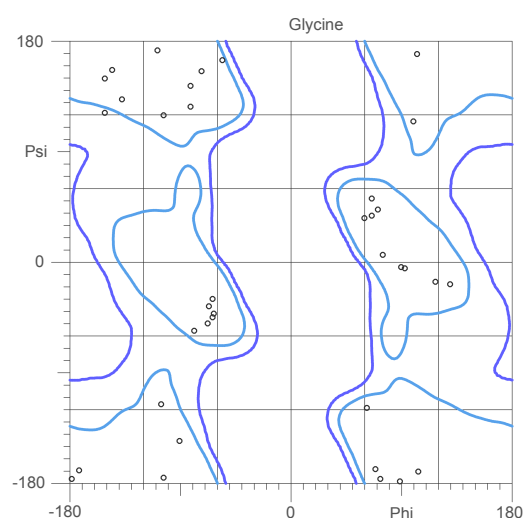Isoleucine and valine

29 ILE
294 ILE   205 ILE
54 ILE
53 VAL

299 ASP
292 TYR
319 ALA   140 ASN
137 ASP
20 SER
109 LYS   86 GLU

Pre-proline

219 LEU

Glycine

Trans proline

286 PRO

159 PRO

Cis proline
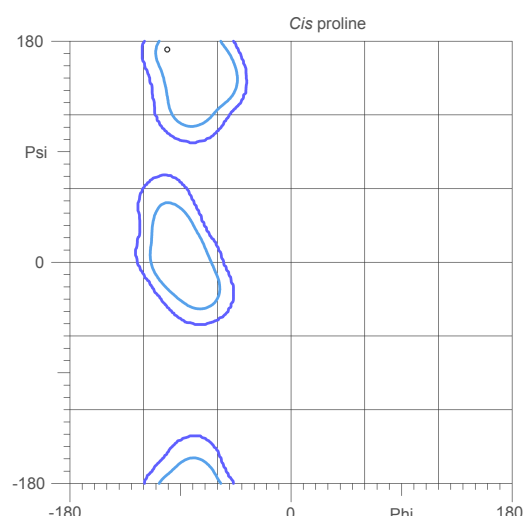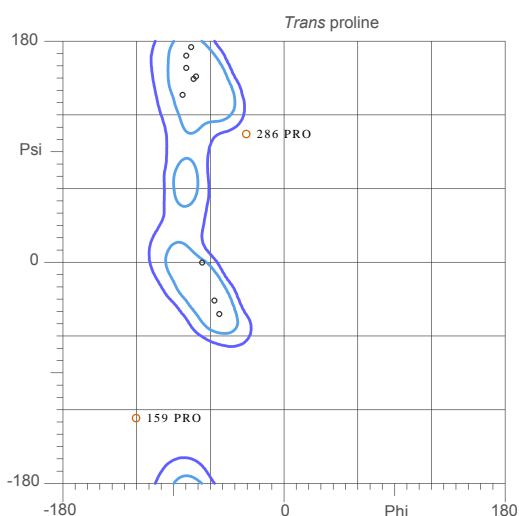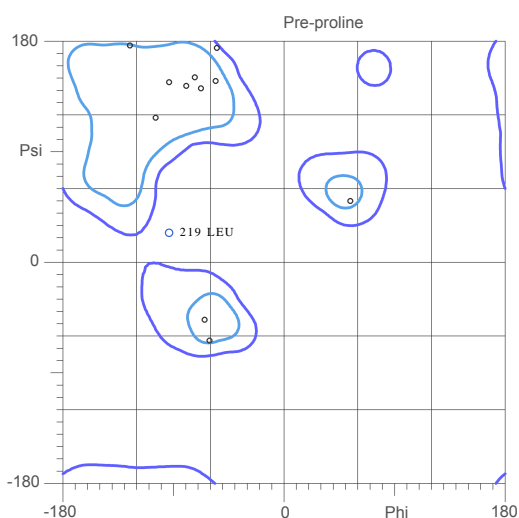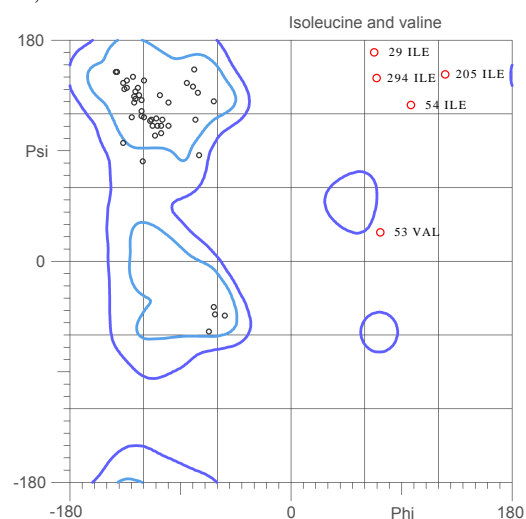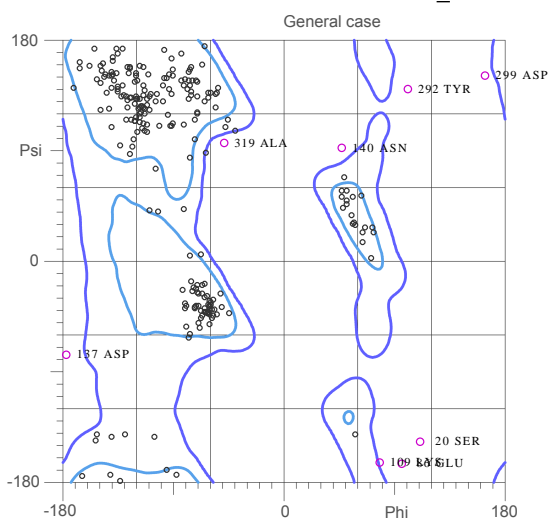
88.6% (310/350) of all residues were in favored (98%) regions.
95.4% (334/350) of all residues were in allowed (>99.8%) regions.

There were 16 outliers (phi, psi):
20 SER (111.1, -147.1)
29 ILE (68.5, 171.4)
53 VAL (73.5, 24.5)
54 ILE (98.1, 128.3)
86 GLU (96.7, -165.8)
109 LYS (78.3, -164.3)
137 ASP (-178.7, -76.7)
140 ASN (47.6, 93.8)
159 PRO (-121.9, -127.4)
205 ILE (126.5, 153.3)
219 LEU (-94.3, 24.2)
286 PRO (-31.4, 105.4)
292 TYR (101.6, 141.3)
294 ILE (70.1, 150.7)
299 ASP (164.2, 152.6)
319 ALA (-49.0, 97.9)

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