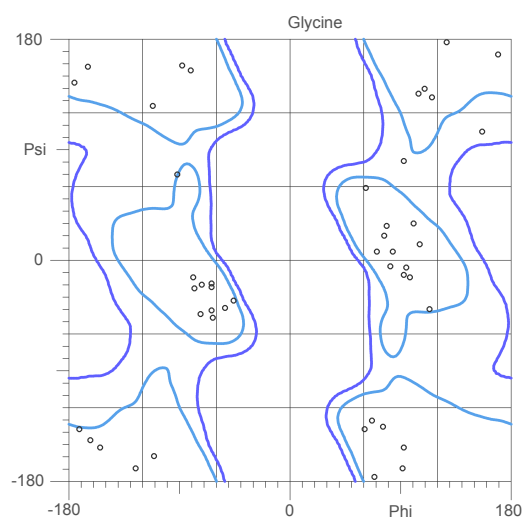# MolProbity Ramachandran analysis

1a8i_.B99990002.pdb, model 1

General case

271 GLU
539 SER
87 ARG
336 ARG
248 GLN
658 PHE
707 GLU
300 PHE
299 LYS
652 SER

Isoleucine and valine

414 VAL
250 VAL
247 ILE
15 VAL

Pre-proline

588 ALA
187 ARG
374 LEU

Glycine

Trans proline

Cis proline
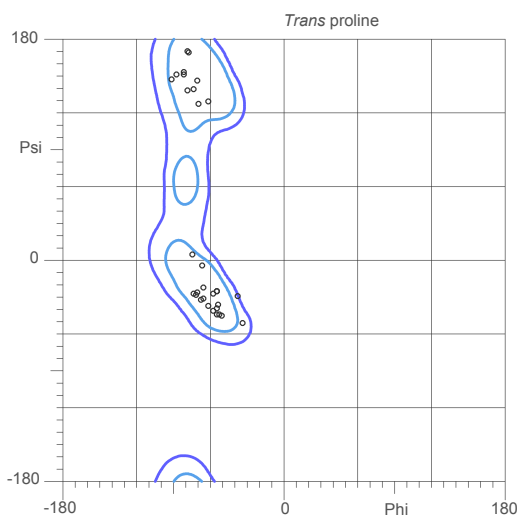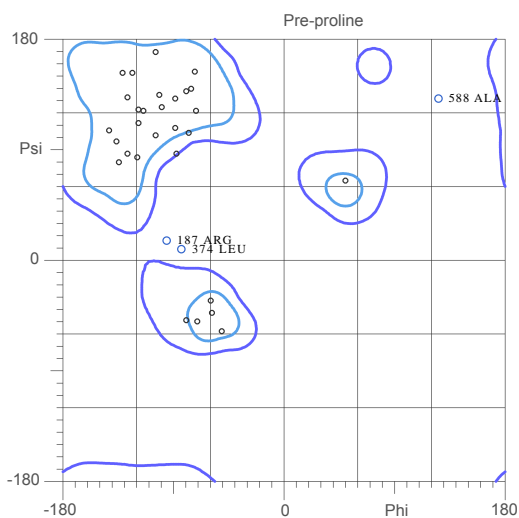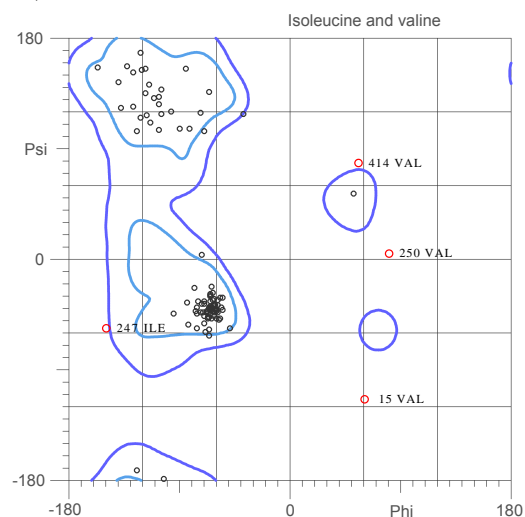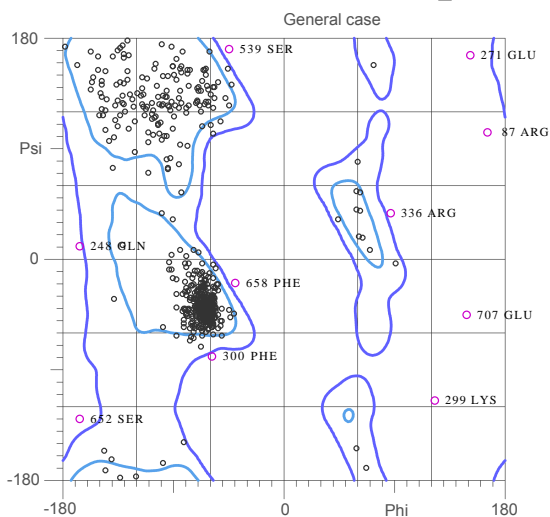
92.1% (746/810) of all residues were in favored (98%) regions.
97.9% (793/810) of all residues were in allowed (>99.8%) regions.

There were 17 outliers (phi, psi):
    15 VAL (62.0, -114.5)
    87 ARG (166.8, 104.6)
   187 ARG (-96.3, 16.8)
   247 ILE (-150.7, -56.2)
   248 GLN (-167.8, 11.1)
   250 VAL (81.5, 5.6)
   271 GLU (152.8, 167.3)
   299 LYS (123.7, -115.6)
   300 PHE (-59.7, -79.9)
   336 ARG (87.0, 38.5)
   374 LEU (-84.3, 9.5)
   414 VAL (56.8, 79.9)
   539 SER (-45.4, 172.8)
   588 ALA (126.6, 132.3)
   652 SER (-167.9, -130.2)
   658 PHE (-40.7, -19.5)
   707 GLU (149.2, -45.3)