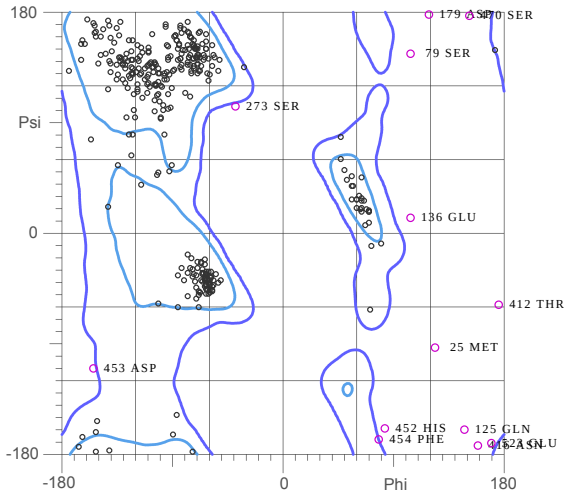
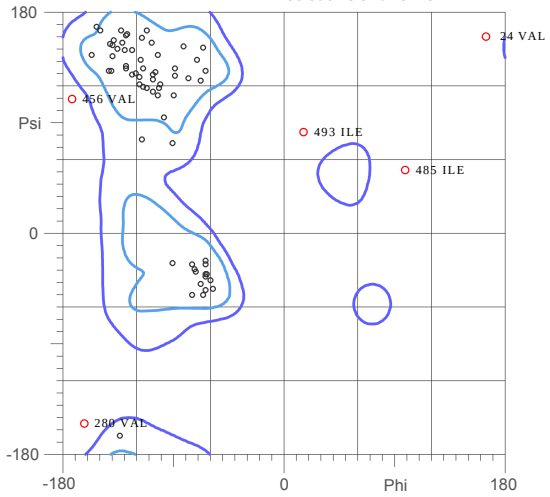
MolProbity Ramachandran analysis

1aozA.B99990021.pdb, model 1

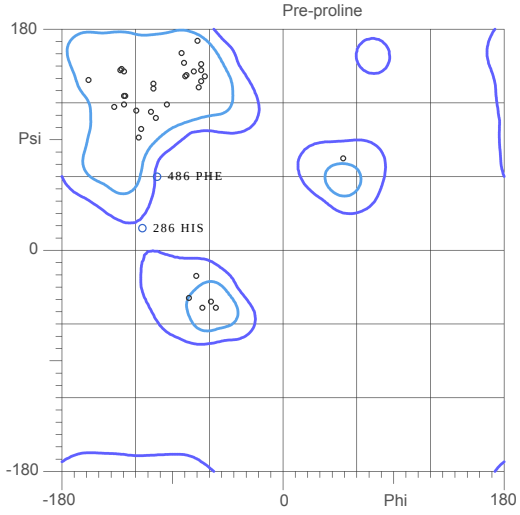
General case



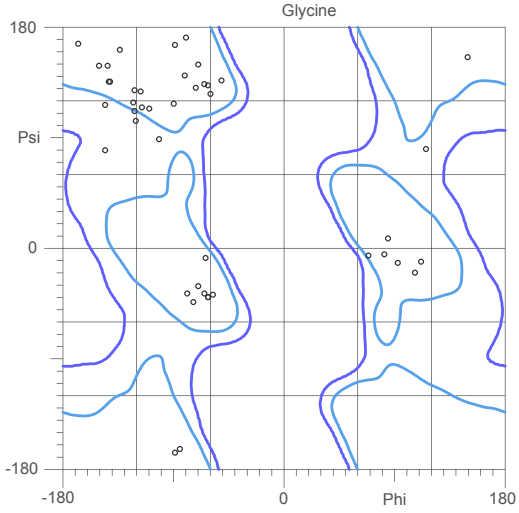
Isoleucine and valine



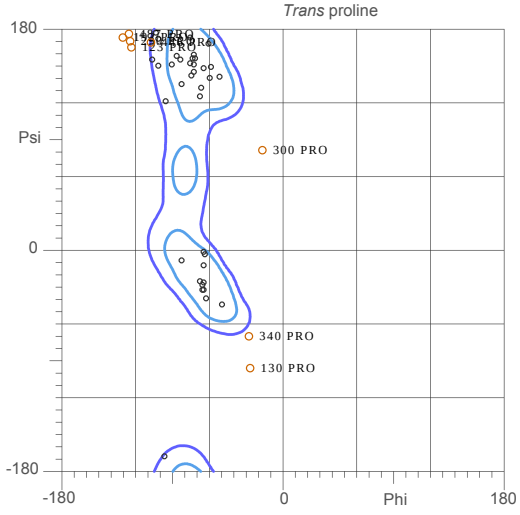
Pre-proline



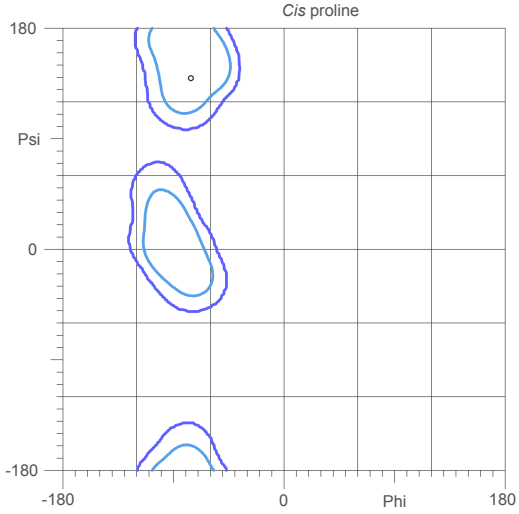
Glycine



Trans proline



Cis proline



87.8% (483/550) of all residues were in favored (98%) regions.
94.9% (522/550) of all residues were in allowed (>99.8%) regions.

There were 28 outliers (phi, psi):
24 VAL (-165.8, 161.6)
25 MET (-114.4, -91.3)
79 SER (-162.8, 147.1)
123 PRO (-126.4, -166.9)
125 GLN (-149.8, -166.3)
130 PRO (-27.9, -94.8)
136 GLU (-164.3, -13.7)
179 ASP (-119.2, 179.1)
192 PRO (-131.3, 174.8)
273 SER (-119.2, 179.1)
280 VAL (-161.8, -155.2)
286 HIS (-113.8, 18.7)
290 PRO (-125.1, 177.4)
300 PRO (-57.1, 82.9)
340 PRO (-58.6, -75.9)
412 THR (176.8, -58.3)
456 VAL (159.7, -177.4)
466 PRO (-168.0, 170.2)
482 HIS (65.8, -159.0)
453 ASP (-153.5, -110.5)
454 PHE (79.4, -168.9)
456 VAL (-174.8, 110.8)
470 SER (152.1, 178.8)
485 ILE (99.8, 52.3)
486 PHE (-105.2, 68.9)
487 PRO (-126.1, 177.1)
493 ILE (16.7, 83.5)
523 GLU (176.8, -171.3)

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