MolProbity Ramachandran analysis

1a8y_.B99990022.pdb, model 1

General case

Isoleucine and valine

Pre-proline
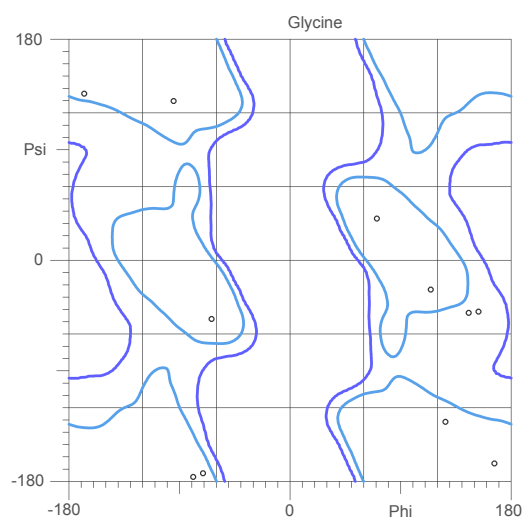
Glycine

Trans proline

Cis proline

General case labels: 280 LEU, 328 GLU, 243 ASP, 84 LYS, 82 ALA, 317 ASP, 88 THR, 75 SER, 77 LYS, 208 ASP

Pre-proline labels: 172 ILE, 324 GLU, 169 HIS, 209 LYS, 232 LYS

Trans proline labels: 287 PRO, 233 PRO, 170 PRO

Cis proline labels: 124 PRO
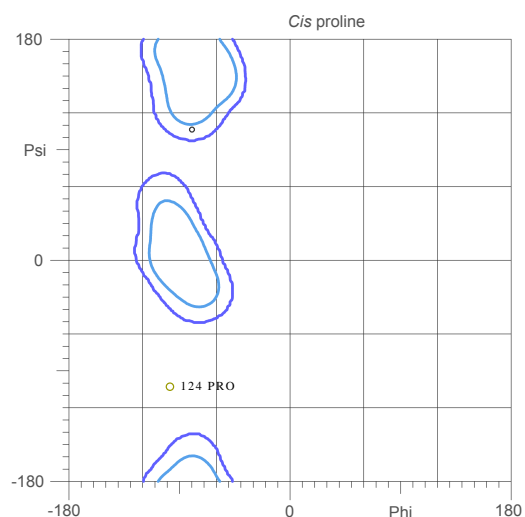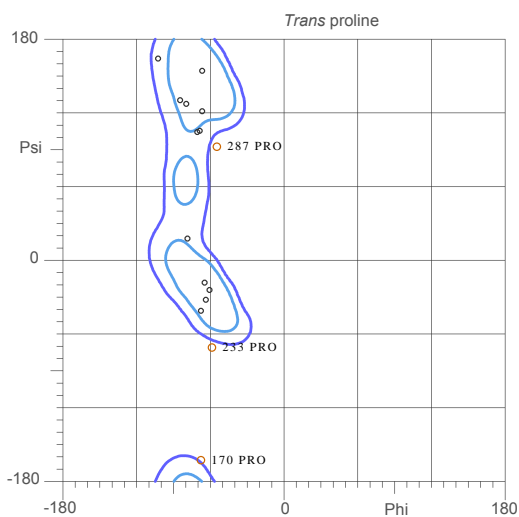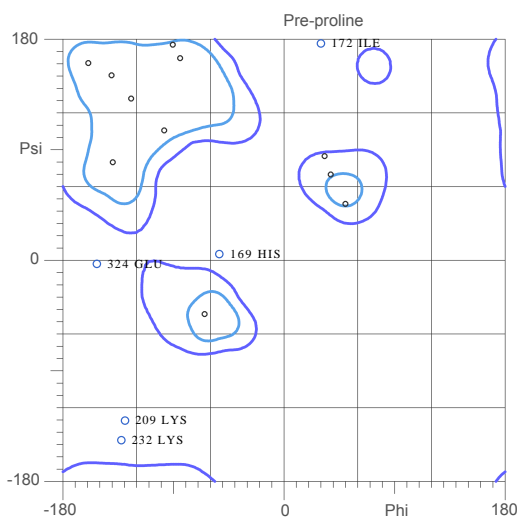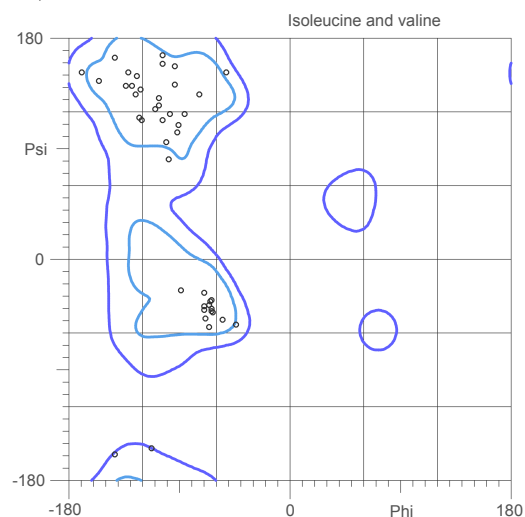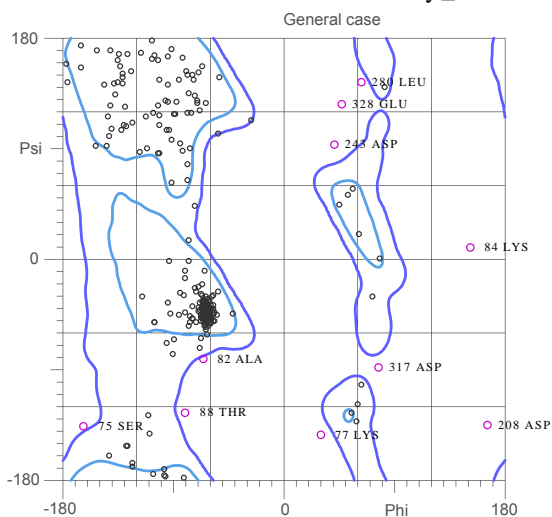
83.0% (279/336) of all residues were in favored (98%) regions.
94.3% (317/336) of all residues were in allowed (>99.8%) regions.

There were 19 outliers (phi, psi):
    75 SER (-164.0, -136.8)
    77 LYS (30.1, -143.8)
    82 ALA (-66.9, -81.4)
    84 LYS (152.0, 10.9)
    88 THR (-81.2, -125.4)
    124 PRO (-98.5, -105.3)
    169 HIS (-55.5, 5.3)
    170 PRO (-68.1, -163.9)
    172 ILE (30.3, 177.4)
    208 ASP (166.2, -155.4)
    209 LYS (-130.7, -131.4)
    232 LYS (-133.7, -147.4)
    233 PRO (-59.3, -71.5)
    243 ASP (41.2, 94.2)
    280 LEU (63.2, 145.7)
    287 PRO (-55.3, 93.8)
    317 ASP (77.6, -88.9)
    324 GLU (-153.2, -5.2)
    328 GLU (47.2, 127.8)

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