MolProbity Ramachandran analysis

1a8y_.B99990007.pdb, model 1

General case

Isoleucine and valine

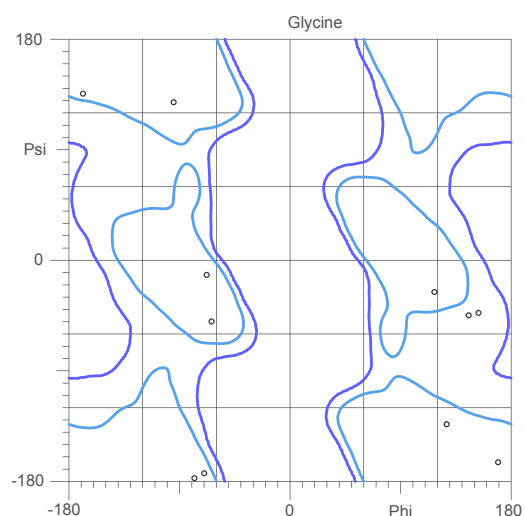Pre-proline

Glycine

Trans proline

Cis proline

General case labels: 280 LEU, 328 GLU, 226 SER, 243 ASP, 317 ASP, 227 THR, 88 THR, 77 LYS

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

Trans proline labels: 325 PRO, 287 PRO, 233 PRO, 170 PRO

Cis proline labels: 124 PRO
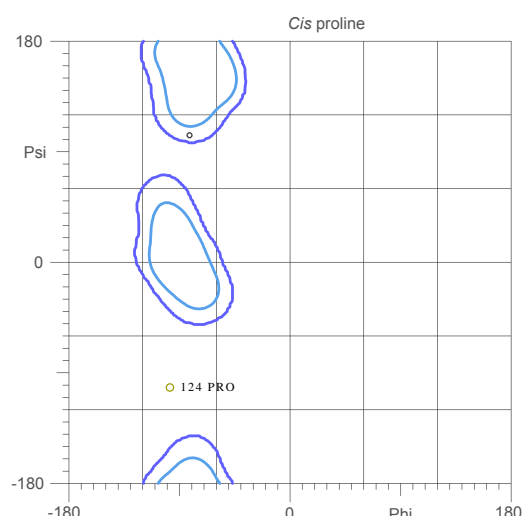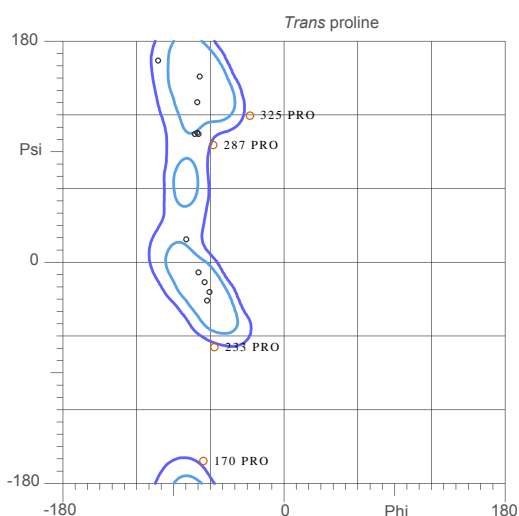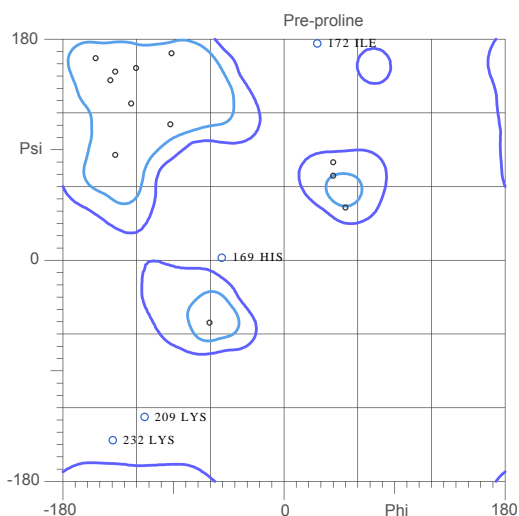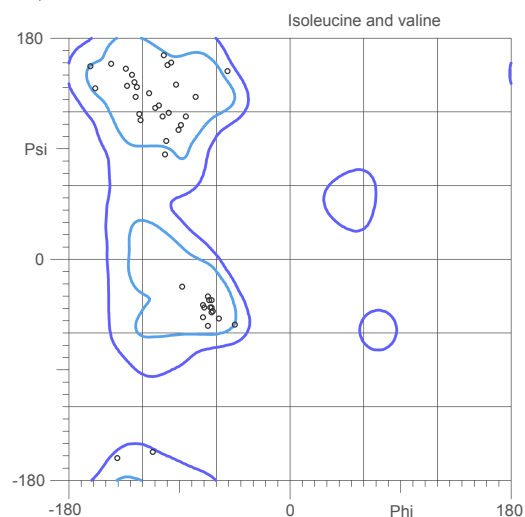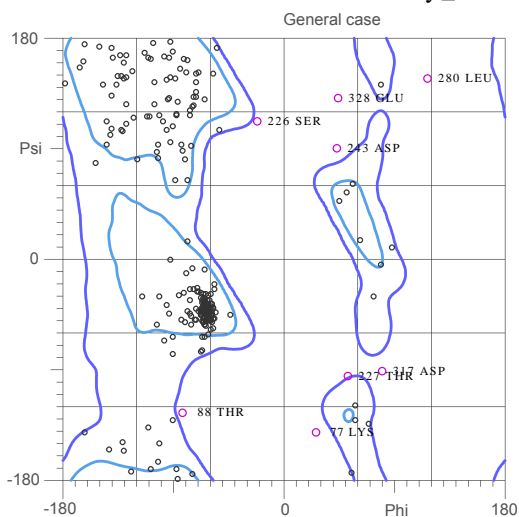
81.2% (273/336) of all residues were in favored (98%) regions.
94.9% (319/336) of all residues were in allowed (>99.8%) regions.

There were 17 outliers (phi, psi):
    77 LYS (26.1, -141.4)
    88 THR (-83.6, -125.2)
    124 PRO (-98.5, -103.0)
    169 HIS (-51.8, 2.6)
    170 PRO (-66.9, -162.6)
    172 ILE (27.6, 178.0)
    209 LYS (-114.9, -128.2)
    226 SER (-22.1, 113.5)
    227 THR (52.5, -95.3)
    232 LYS (-140.1, -147.8)
    233 PRO (-58.0, -69.9)
    243 ASP (43.7, 91.3)
    280 LEU (117.1, 148.7)
    287 PRO (-58.8, 96.5)
    317 ASP (80.3, -91.4)
    325 PRO (-28.5, 120.7)
    328 GLU (44.3, 132.1)

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