MolProbity Ramachandran analysis

1air_.B99990023.pdb, model 1

General case
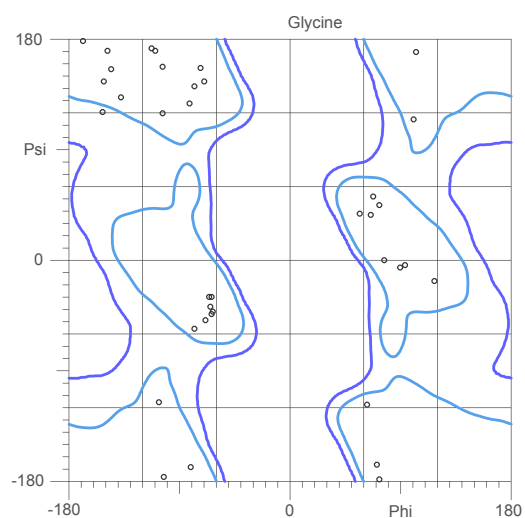
Isoleucine and valine

Pre-proline

Glycine

Trans proline

Cis proline
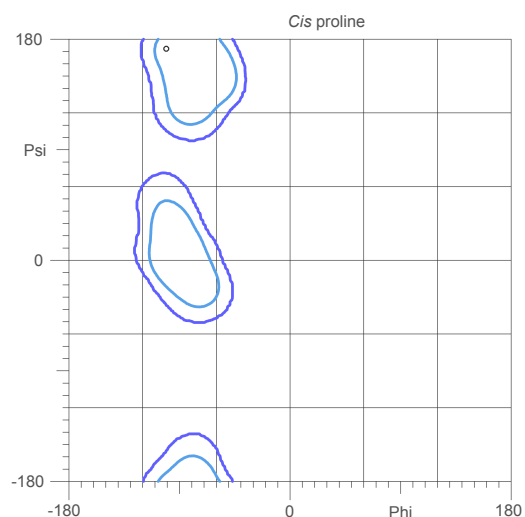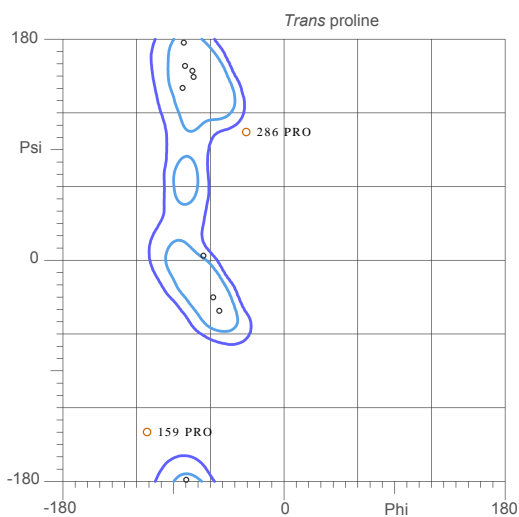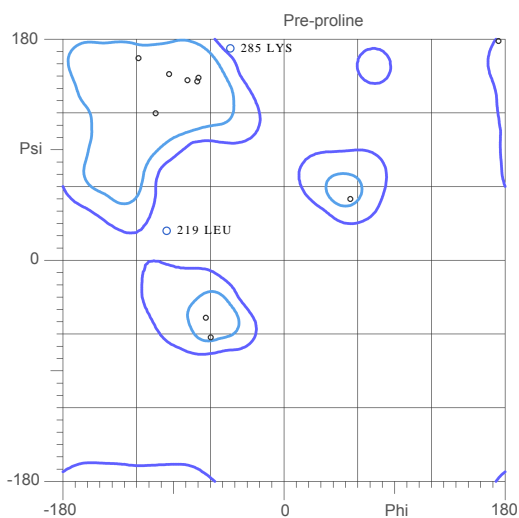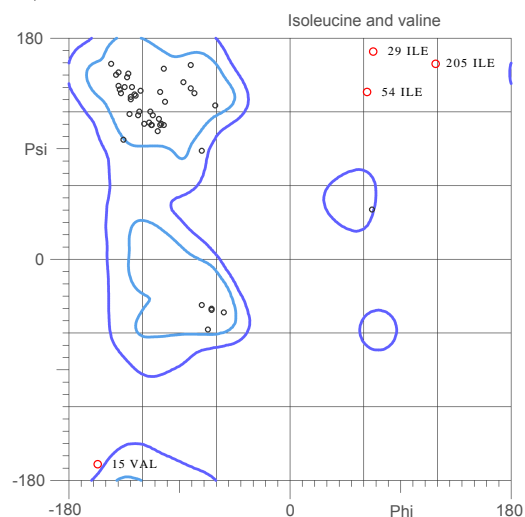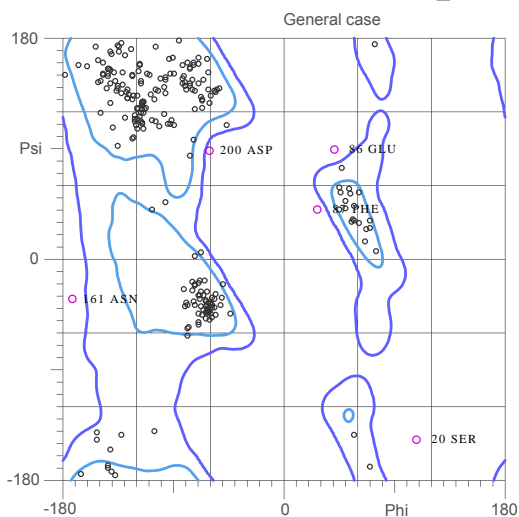
90,0% (315/350) of all residues were in favored (98%) regions.
96,3% (337/350) of all residues were in allowed (>99.8%) regions.

There were 13 outliers (phi, psi):
    15 VAL (-157,1, -167,8)
    20 SER (108,3, -147,5)
    29 ILE (68,0, 170,1)
    54 ILE (63,2, 137,3)
    86 GLU (41,3, 90,1)
    87 PHE (27,6, 41,6)
    159 PRO (-112,5, -140,2)
    161 ASN (-173,7, -32,1)
    200 ASP (-61,7, 89,1)
    205 ILE (119,5, 160,4)
    219 LEU (-96,2, 24,5)
    285 LYS (-44,7, 173,2)
    286 PRO (-31,6, 105,6)

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