MolProbity Ramachandran analysis

1a8y_.B99990016.pdb, model 1

General case

Isoleucine and valine

Pre-proline

Glycine

Trans proline

Cis proline
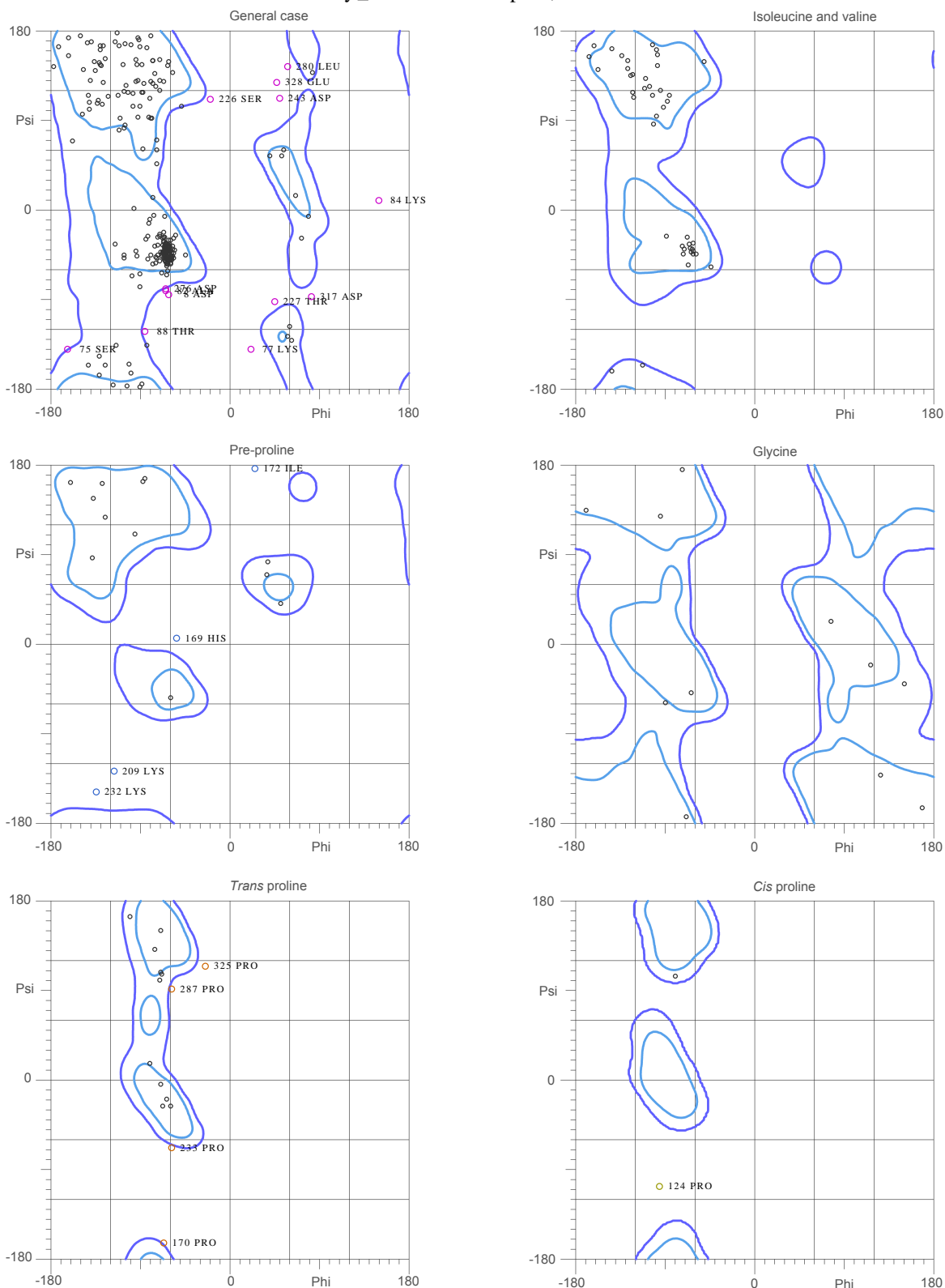
80.1% (269/336) of all residues were in favored (98%) regions.
93.5% (314/336) of all residues were in allowed (>99.8%) regions.

There were 22 outliers (phi, psi):
   8 ASP (-62.5, -85.2)
  75 SER (-164.0, -140.8)
  77 LYS (21.1, -140.3)
  82 ALA (-65.1, -81.1)
  84 LYS (150.6, 10.4)
  88 THR (-86.7, -122.3)
 124 PRO (-96.6, -107.2)
 169 HIS (-54.0, 6.0)
 170 PRO (-67.5, -164.5)
 172 ILE (25.8, 177.5)
 209 LYS (-117.7, -128.3)
 226 SER (-20.1, 112.4)
 227 THR (45.6, -92.6)
 232 LYS (-135.9, -149.7)
 233 PRO (-59.2, -69.0)
 243 ASP (50.4, 113.1)
 276 ASP (-65.5, -79.6)
 280 LEU (58.9, 145.4)
 287 PRO (-59.3, 92.5)
 317 ASP (82.3, -87.4)
 325 PRO (-26.0, 115.9)
 328 GLU (47.2, 129.9)

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