MolProbity Ramachandran analysis

1ac5_.B99990019.pdb, model 1

General case

Psi
Phi

106 SER
169 LYS   38 SER
230 GLU
240 ASN   233 LEU
176 SER
33 HIS   127 GLU
42 ASP
164 GLU

Isoleucine and valine

Psi
Phi

375 ILE
126 VAL

Pre-proline

Psi
Phi

Glycine

Psi
Phi

Trans proline

Psi
Phi

360 PRO
451 PRO
35 PRO
239 PRO

Cis proline

Psi
Phi
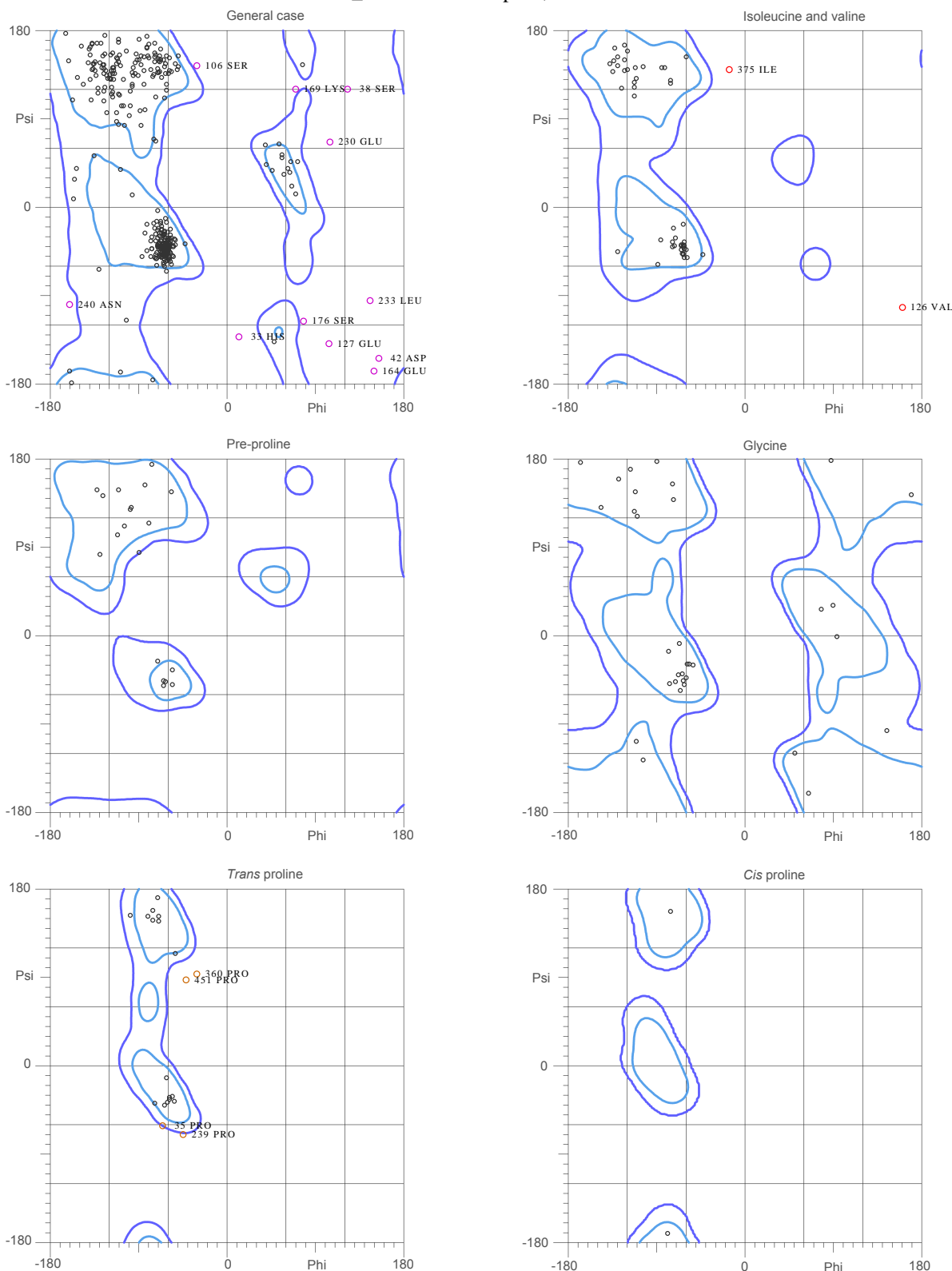
91.7% (441/481) of all residues were in favored (98%) regions.
96.5% (464/481) of all residues were in allowed (>99.8%) regions.

There were 17 outliers (phi, psi):
33 HIS (12.8, -132.5)
35 PRO (-86.4, -61.9)
38 SER (123.9, 121.8)
42 ASP (155.8, -155.0)
106 SER (-31.8, 145.0)
126 VAL (161.7, -102.3)
127 GLU (104.5, -139.8)
164 GLU (150.5, -168.0)
169 LYS (70.9, 121.0)
176 SER (78.0, -116.5)
230 GLU (105.4, 67.7)
233 LEU (146.5, -95.3)
239 PRO (-45.2, -70.4)
240 ASN (-161.9, -99.8)
360 PRO (-31.8, 94.9)
375 ILE (-16.7, 141.1)
451 PRO (-42.1, 88.6)