MolProbity Ramachandran analysis

1a8y_.B99990001.pdb, model 1

General case

Psi / Phi

280 LEU
328 GLU
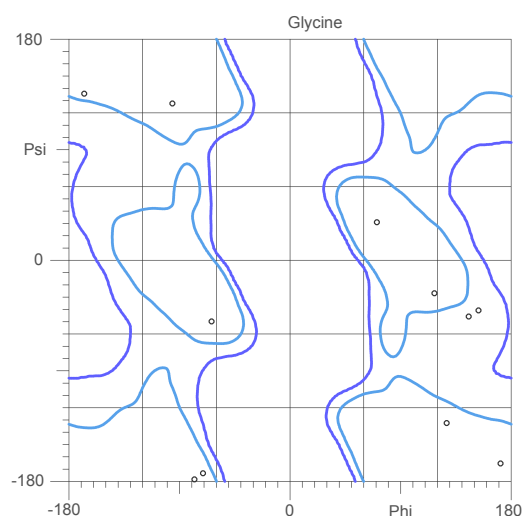226 SER
243 ASP
84 LYS
82 ALA
227 THR
88 THR
316 THR
77 LYS

Isoleucine and valine

Psi / Phi

Pre-proline

172 ILE
169 HIS
209 LYS
232 LYS

Psi / Phi

Glycine

Psi / Phi

Trans proline

325 PRO
233 PRO
170 PRO

Psi / Phi

Cis proline

124 PRO

Psi / Phi
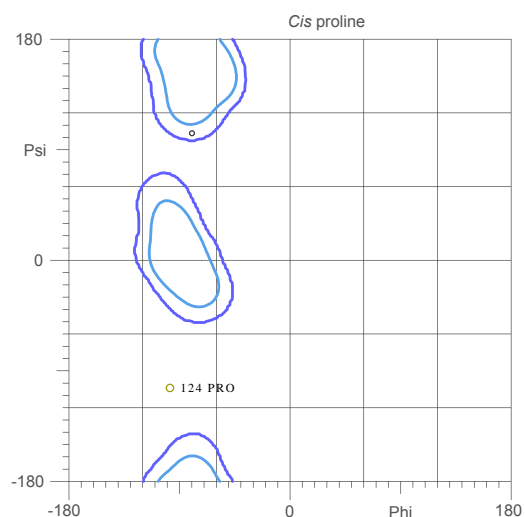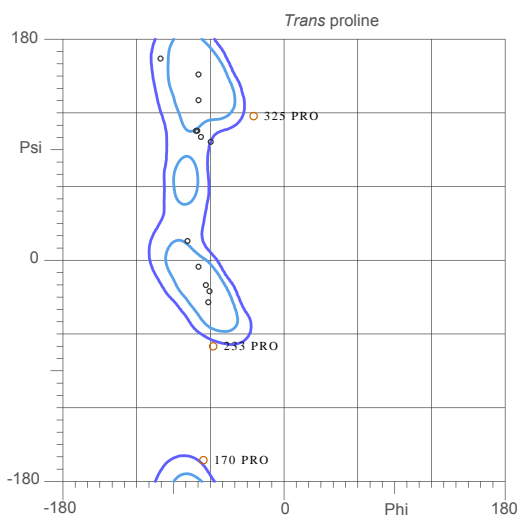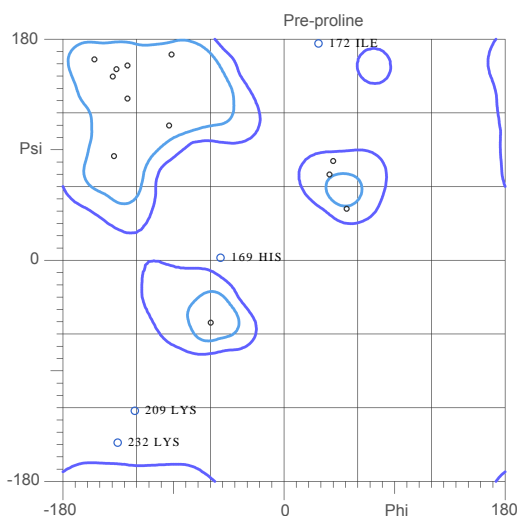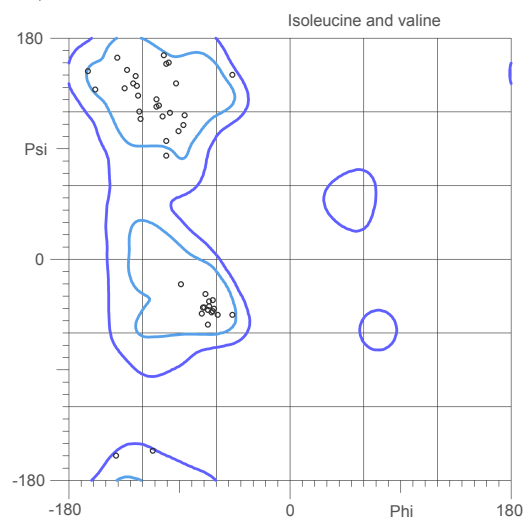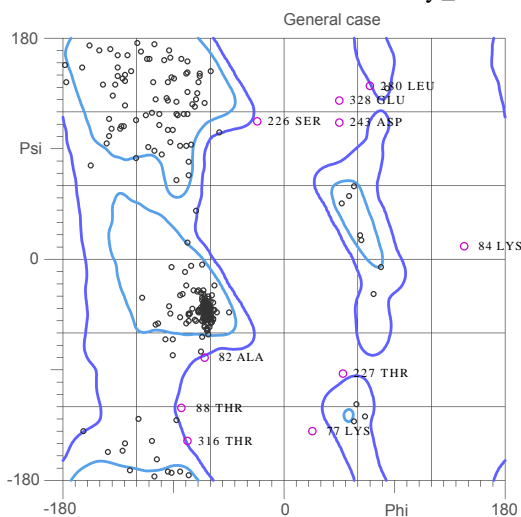
82,4% (277/336) of all residues were in favored (98%) regions.
94,6% (318/336) of all residues were in allowed (>99.8%) regions.

There were 18 outliers (phi, psi):
77 LYS (23,1, -140,5)
82 ALA (-46,0, -80,4)
84 LYS (147,3, 11,5)
88 THR (-84,9, -121,3)
124 PRO (-98,4, -104,1)
169 HIS (-92,2, 3,0)
170 PRO (-66,1, -163,5)
172 ILE (28,6, 177,1)
209 LYS (-122,8, -123,4)
226 SER (-22,7, 113,8)
227 THR (48,2, -93,4)
232 LYS (-156,1, -149,5)
233 PRO (-58,0, -70,3)
243 ASP (45,5, 112,9)
280 LEU (70,2, 142,2)
316 THR (-79,7, -148,0)
325 PRO (-25,6, 119,0)
328 GLU (45,3, 130,5)

http://kinemage.biochem.duke.edu

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