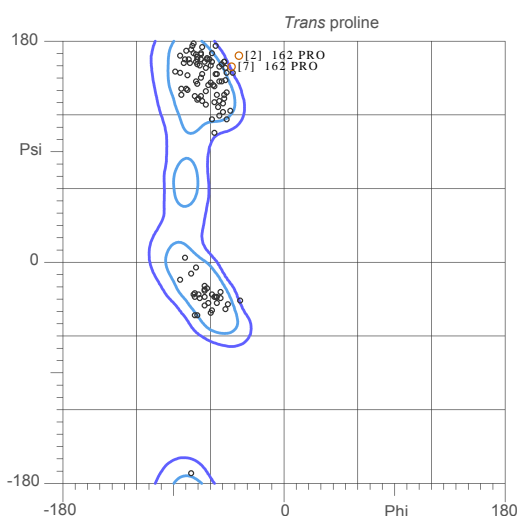
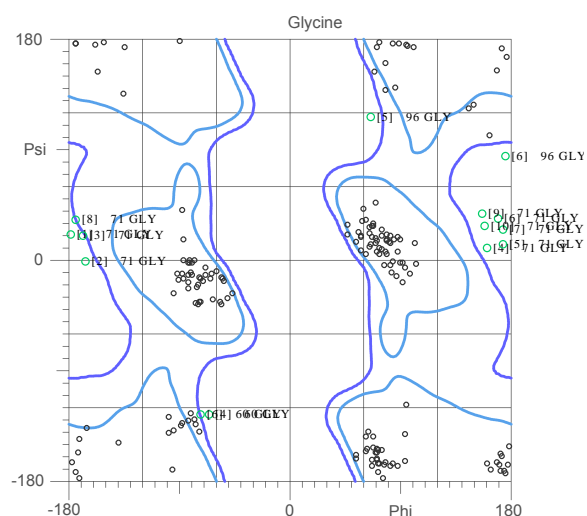
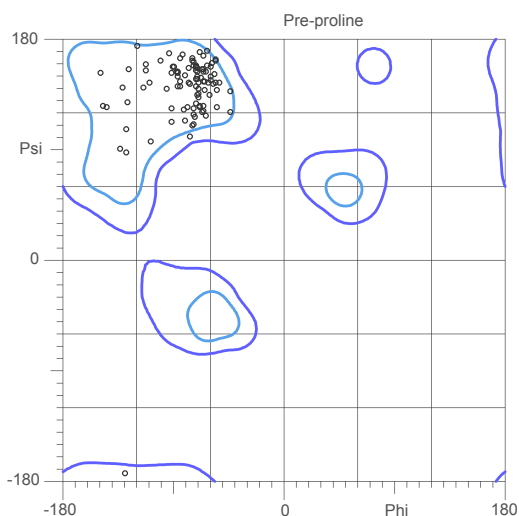
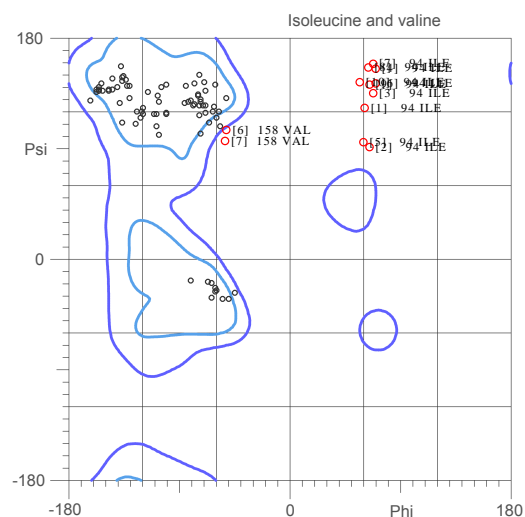
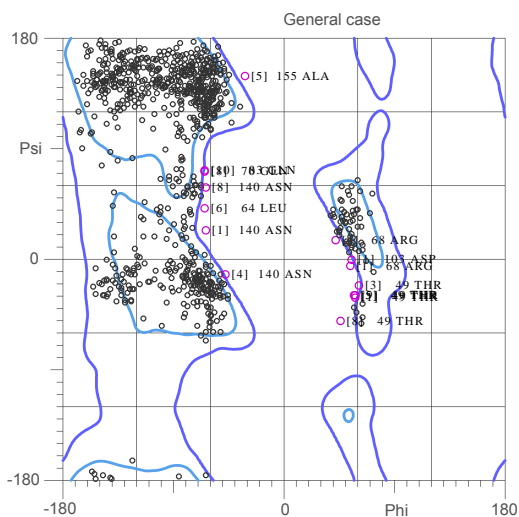


# MolProbity Ramachandran analysis

7act.H.pdb, all models



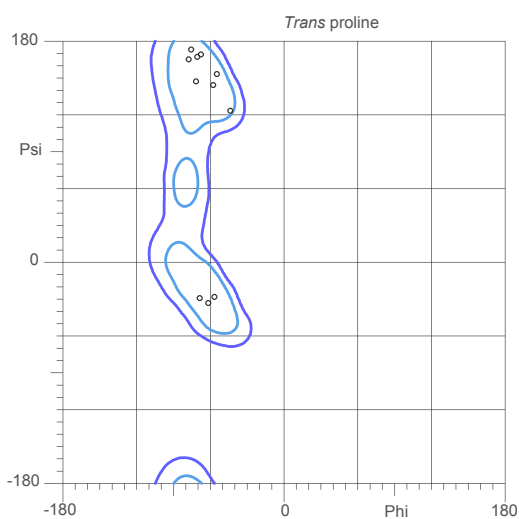
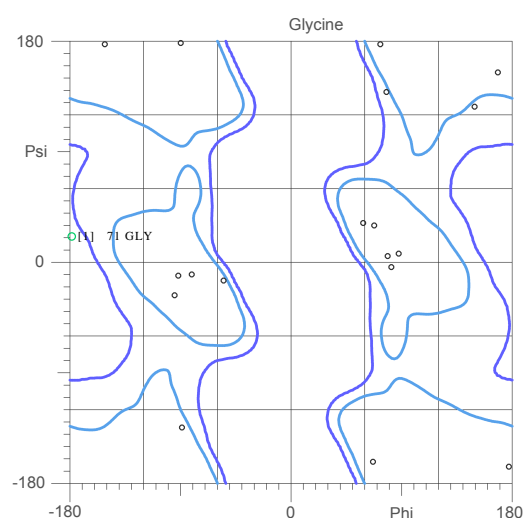
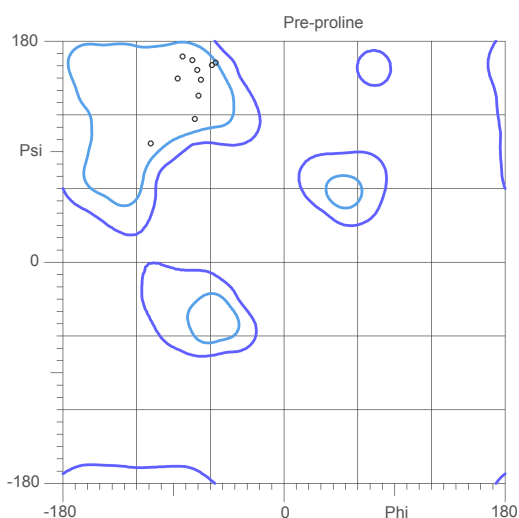
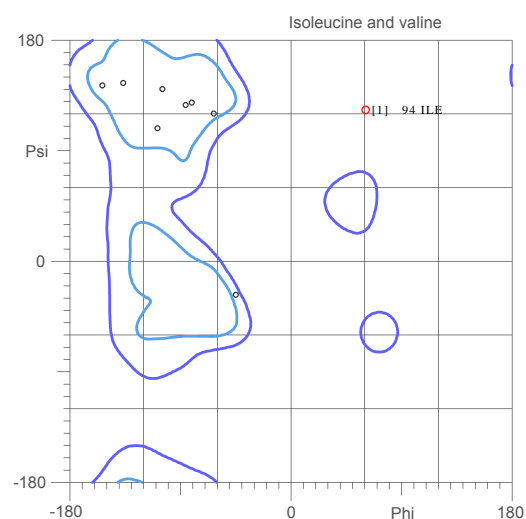
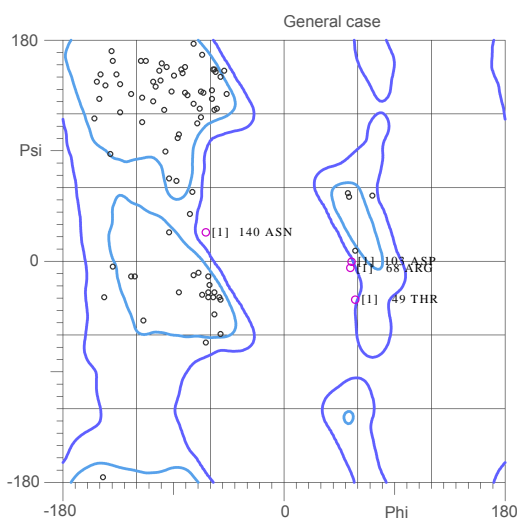
85.5% (1154/1350) of all residues were in favored (98%) regions.  
96.8% (1307/1350) of all residues were in allowed (>99.8%) regions.

There were 43 outliers (phi, psi):

[1] 49 THR (58.5, -31.6)  
[1] 48 ARG (154.6, -6.9)  
[1] 71 GLY (-179.2, 21.9)  
[1] 94 ILE (81.3, 124.9)  
[1] 100 ASP (16.8, -8.9)  
[1] 140 ASN (64.9, 24.4)  
[2] 71 GLY (-107.4, -1.3)  
[2] 94 ILE (108.6, 92.1)  
[2] 162 PRO (-97.7, 149.6)  
[2] 49 THR (61.2, -21.8)  
[3] 71 GLY (-149.2, 28.1)  
[3] 94 ILE (108.6, 116.8)  
[4] 60 GLY (-68.6, -126.8)  
[4] 48 ARG (62.9, 16.9)  
[4] 71 GLY (161.9, 10.8)  
[4] 94 ILE (70.8, 166.3)  
[5] 140 ASN (-44.6, -22.5)  
[5] 49 THR (57.2, -29.8)  
[5] 71 GLY (173.6, 13.7)  
[5] 94 ILE (60.2, 97.0)  
[5] 96 GLY (66.9, 117.4)  
[5] 155 ALA (-32.2, 106.3)  
[6] 60 GLY (-73.9, -126.9)  
[6] 64 LEU (-65.7, -42.9)  
[6] 71 GLY (170.1, 35.9)  
[6] 94 ILE (178.5, 149.9)  
[6] 96 GLY (176.2, 85.7)  
[7] 158 VAL (-132.2, 106.4)  
[7] 71 GLY (174.9, 28.7)  
[7] 94 ILE (88.1, 169.9)  
[7] 158 VAL (-151.5, 97.4)  
[7] 162 PRO (-47.3, 169.4)  
[8] 49 THR (68.2, -26.2)  
[8] 70 GLN (-45.4, 72.4)  
[8] 71 GLY (-175.2, 24.0)  
[8] 94 ILE (64.4, 157.8)  
[8] 140 ASN (-64.5, 59.4)  
[9] 49 THR (58.5, -29.3)  
[9] 71 GLY (157.1, 18.2)  
[9] 94 ILE (65.9, 161.7)  
[9] 71 GLY (159.2, 28.8)  
[10] 85 GLN (-65.0, 75.8)  
[10] 94 ILE (57.9, 145.1)

# MolProbity Ramachandran analysis

7act.H.pdb, model 1



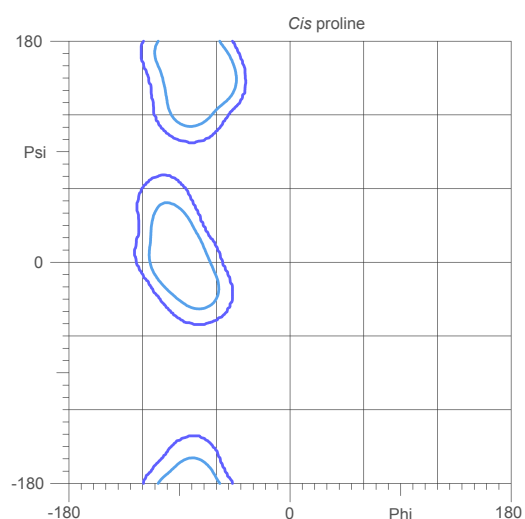
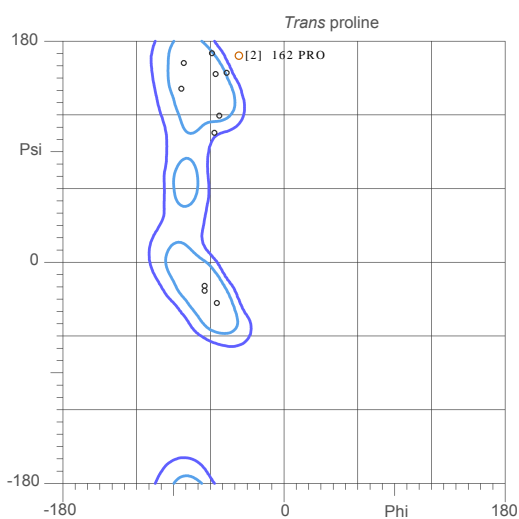
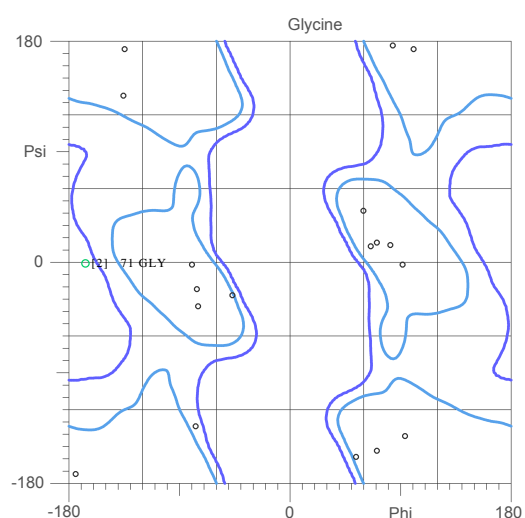
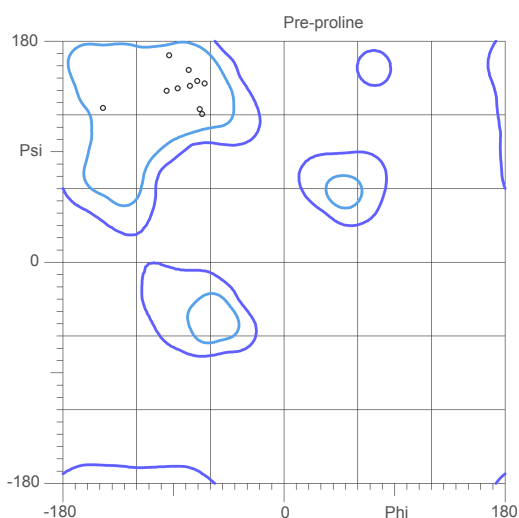
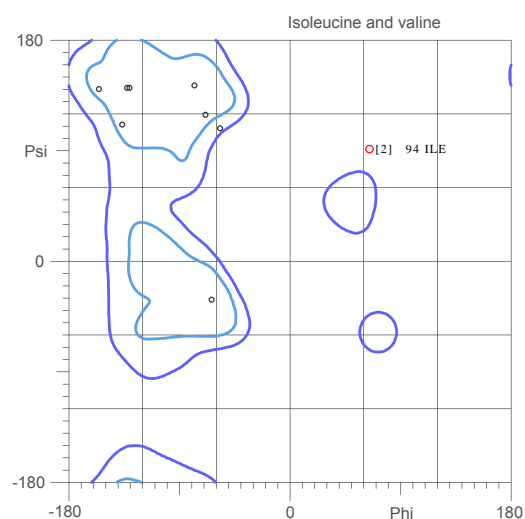
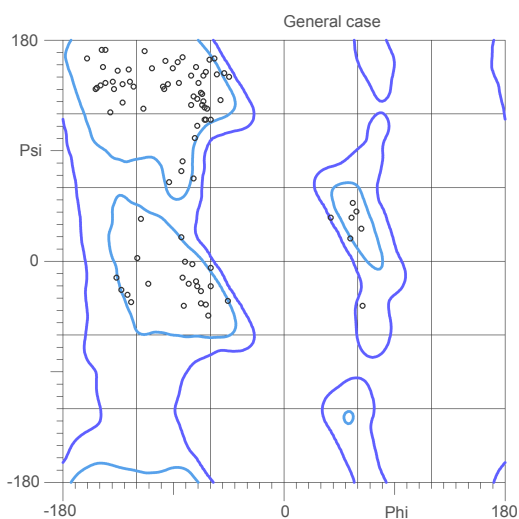
87.4% (118/135) of all residues were in favored (98%) regions.  
95.6% (129/135) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):

- [1] 49 THR (58.5, -31.6)
- [1] 68 ARG (54.6, -6.0)
- [1] 71 GLY (-179.3, 21.5)
- [1] 94 ILE (61.3, 124.9)
- [1] 103 ASP (56.0, -0.3)
- [1] 140 ASN (-64.5, 24.4)

# MolProbity Ramachandran analysis

7act.H.pdb, model 2



87.4% (118/135) of all residues were in favored (98%) regions.  
97.8% (132/135) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

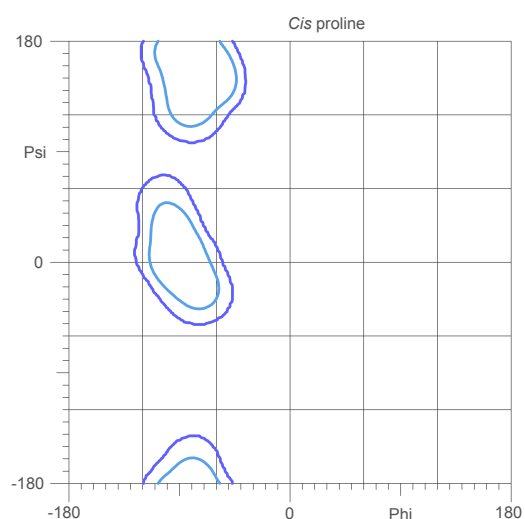
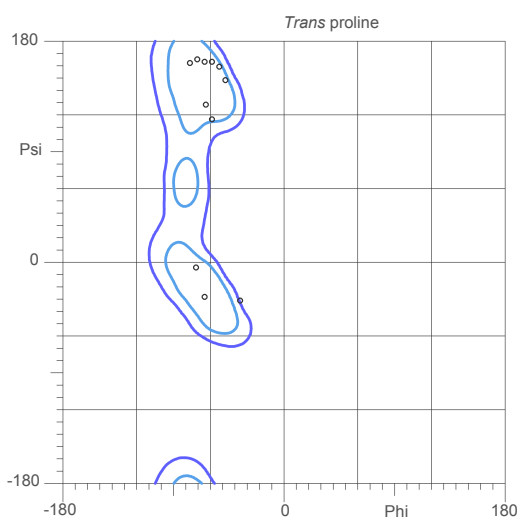
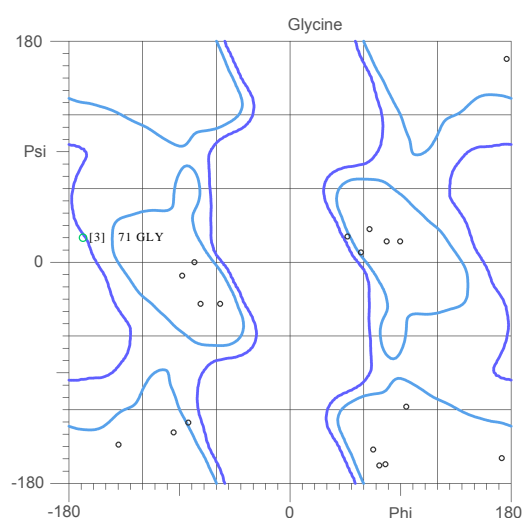
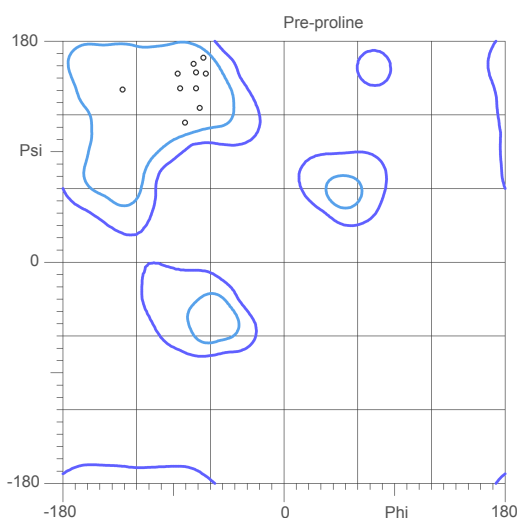
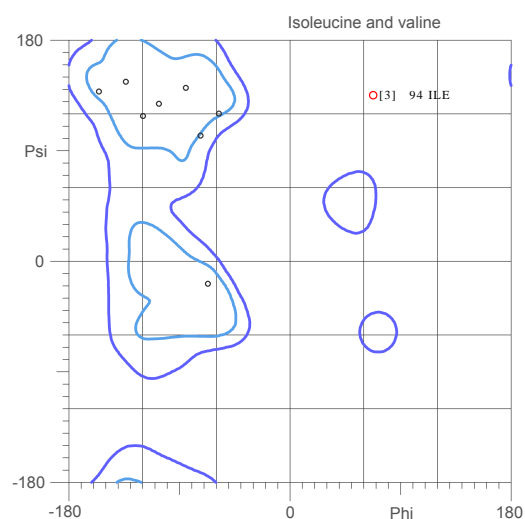
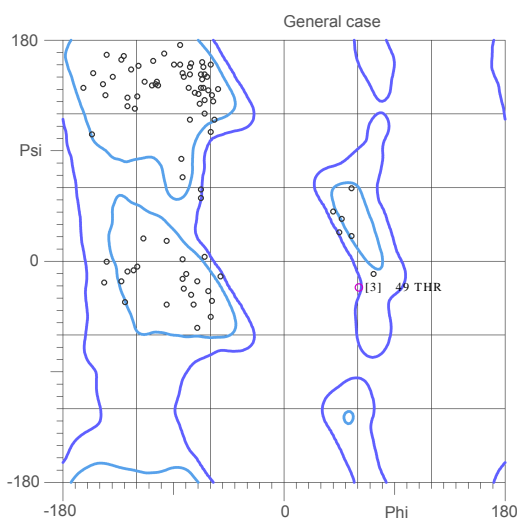
[2] 71 GLY (-167.4, -1.3)

[2] 94 ILE (65.6, 92.1)

[2] 162 PRO (-37.7, 169.6)

# MolProbity Ramachandran analysis

7act.H.pdb, model 3



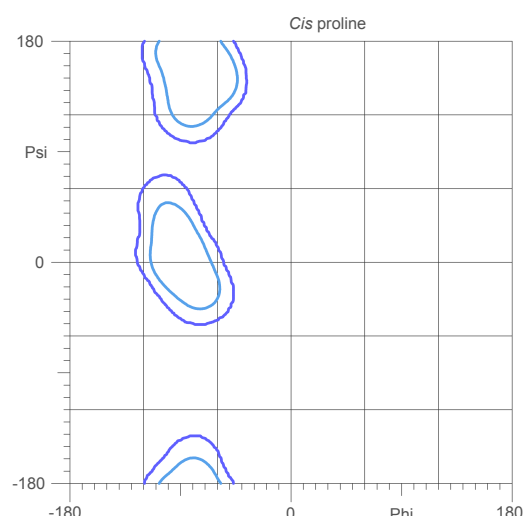
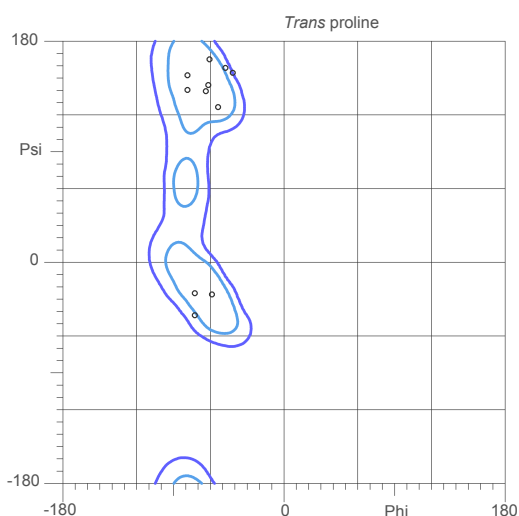
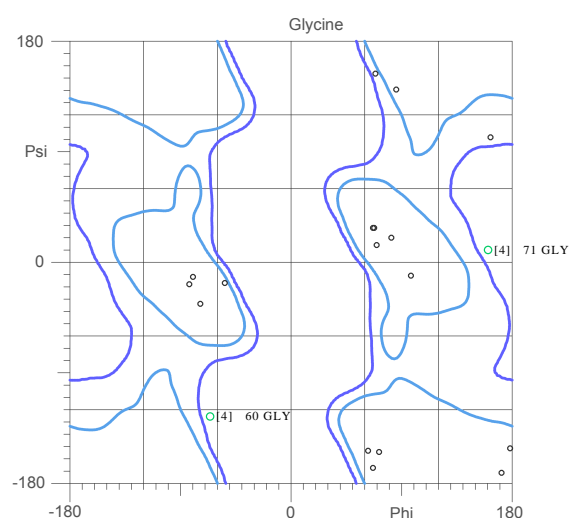
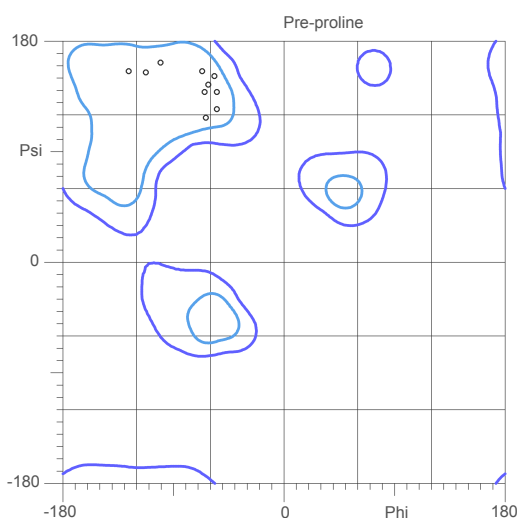
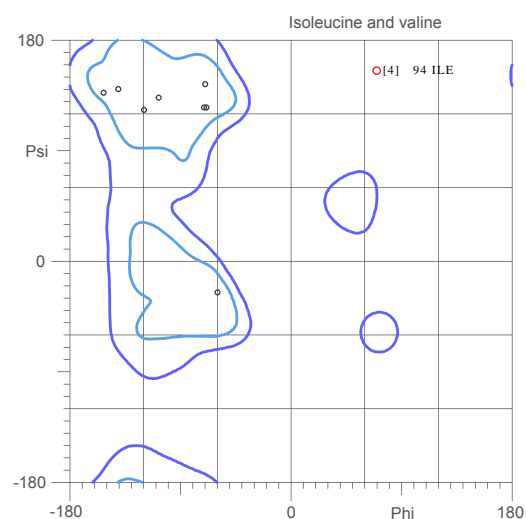
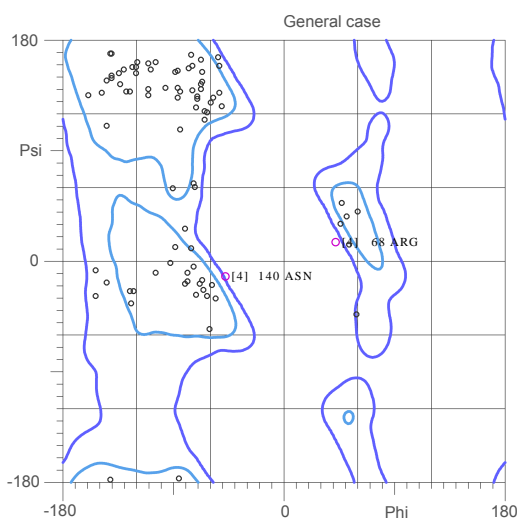
87.4% (118/135) of all residues were in favored (98%) regions.  
97.8% (132/135) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

- [3] 49 THR (61.3, -21.8)
- [3] 71 GLY (-169.2, 20.1)
- [3] 94 ILE (68.4, 136.8)

# MolProbity Ramachandran analysis

7act.H.pdb, model 4



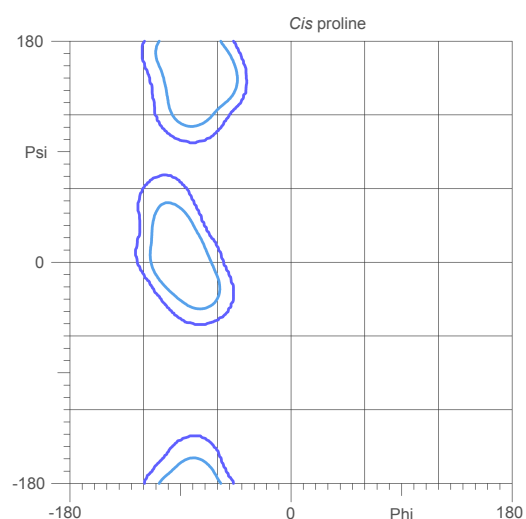
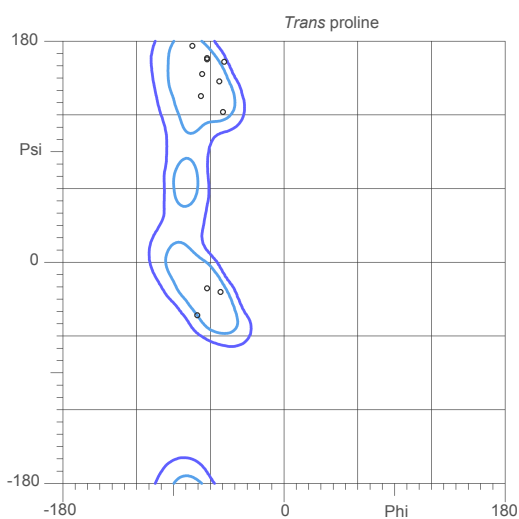
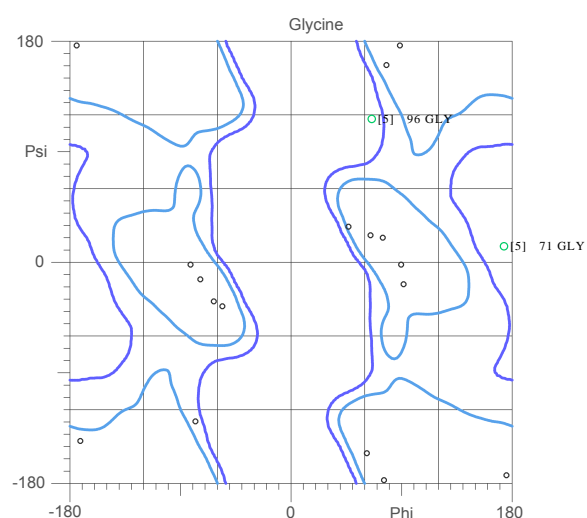
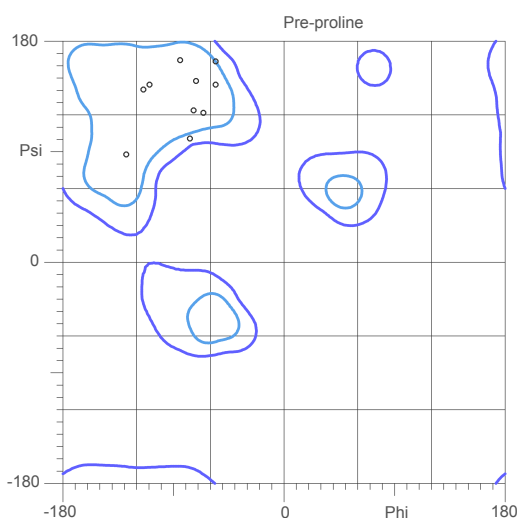
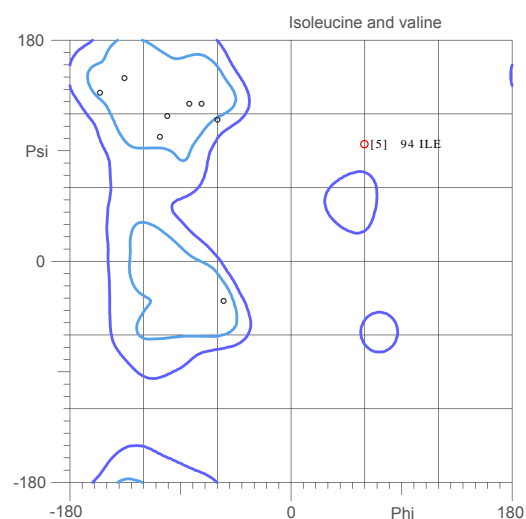
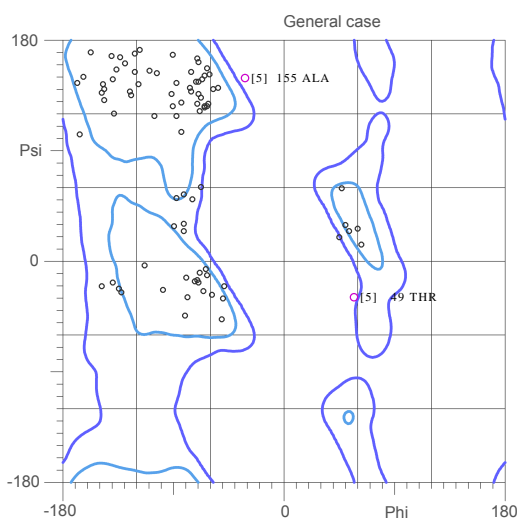
83.7% (113/135) of all residues were in favored (98%) regions.  
96.3% (130/135) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

- [4] 60 GLY (-66.0, -126.8)
- [4] 68 ARG (42.9, 16.5)
- [4] 71 GLY (161.9, 10.8)
- [4] 94 ILE (70.8, 156.3)
- [4] 140 ASN (-48.0, -12.5)

# MolProbity Ramachandran analysis

7act.H.pdb, model 5



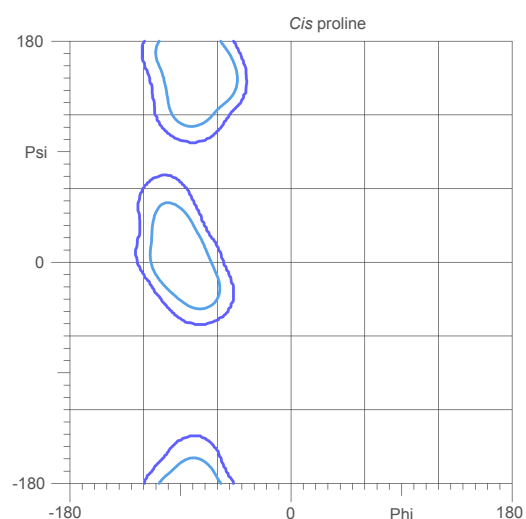
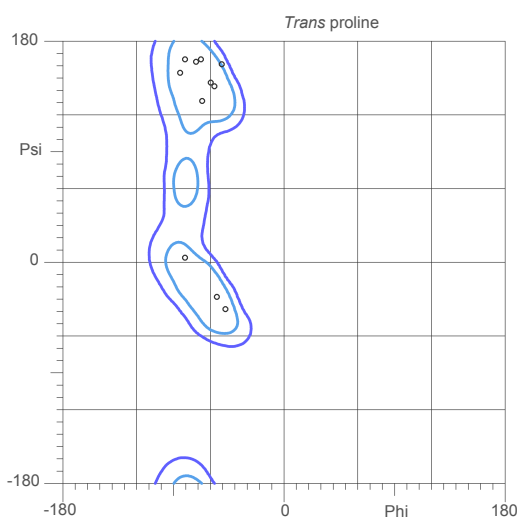
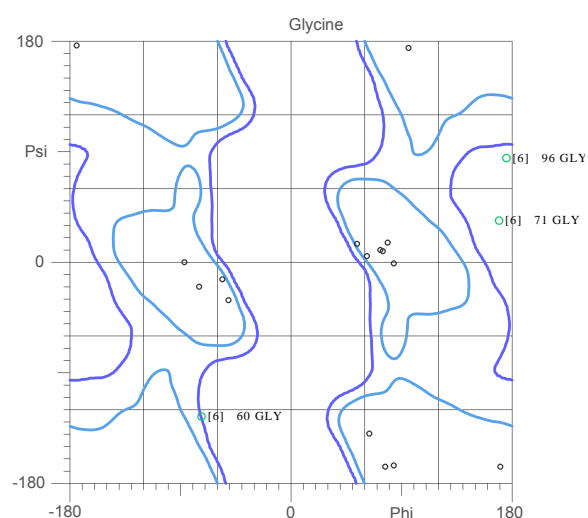
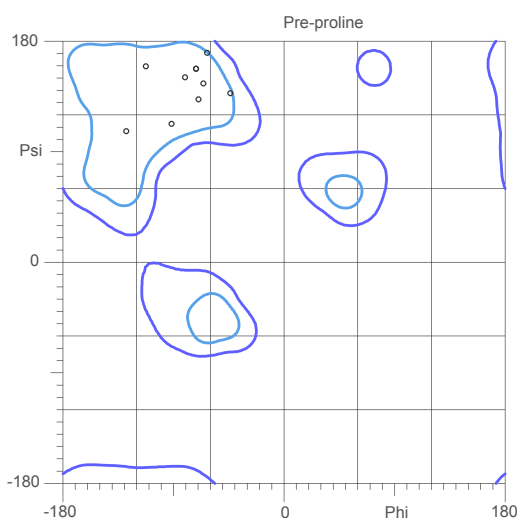
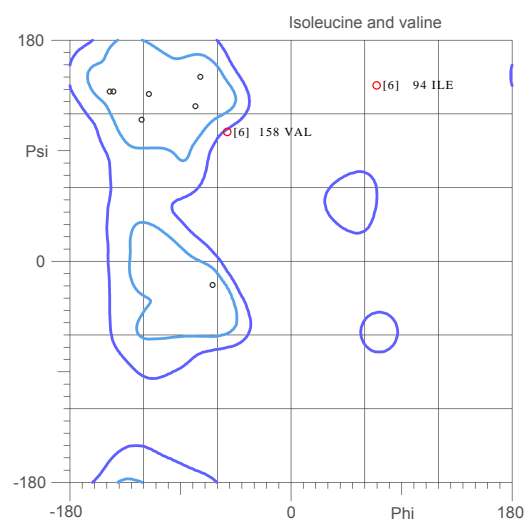
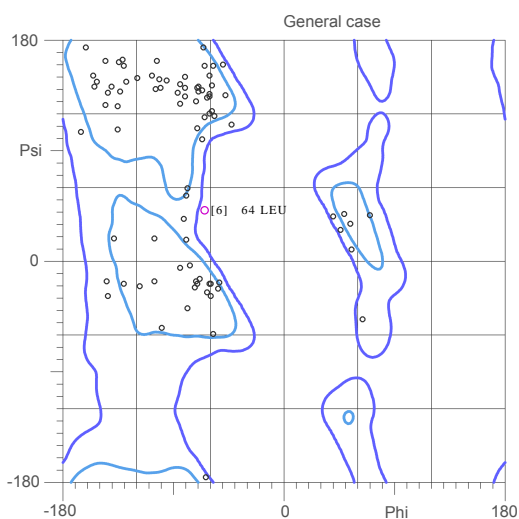
83.0% (112/135) of all residues were in favored (98%) regions.  
96.3% (130/135) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

- [5] 49 THR (57.2, -29.8)
- [5] 71 GLY (174.8, 13.7)
- [5] 94 ILE (60.2, 97.0)
- [5] 96 GLY (66.9, 117.4)
- [5] 155 ALA (-32.5, 150.3)

# MolProbity Ramachandran analysis

7act.H.pdb, model 6



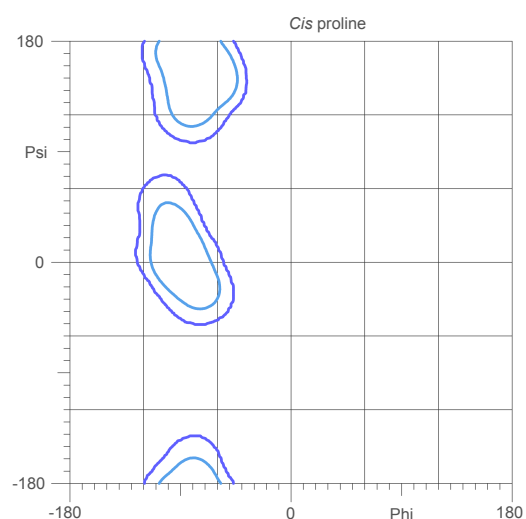
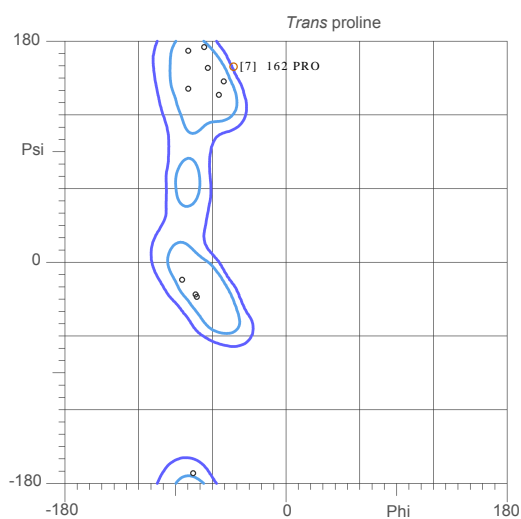
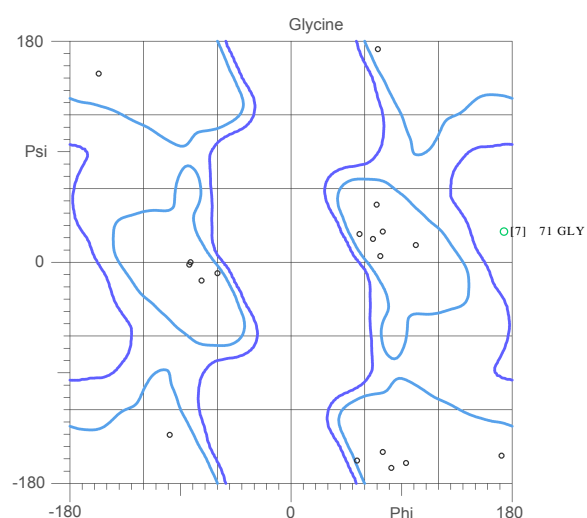
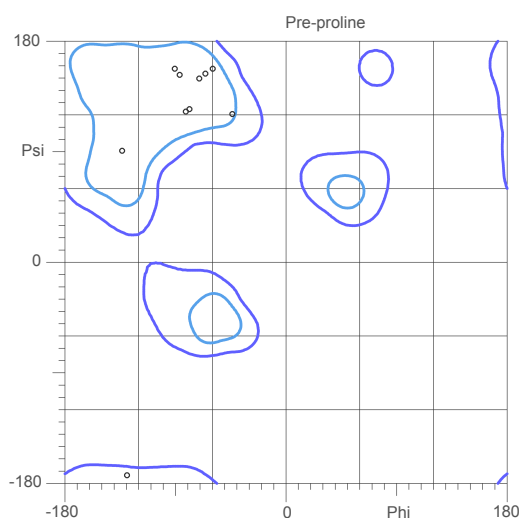
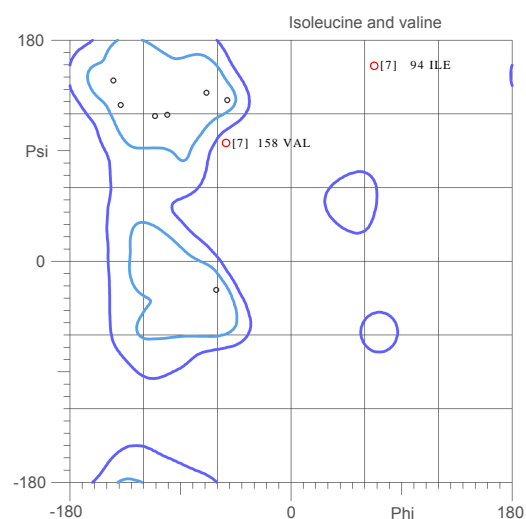
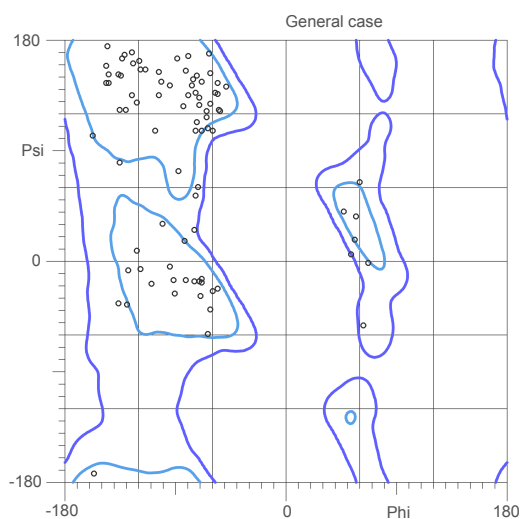
83.7% (113/135) of all residues were in favored (98%) regions.  
95.6% (129/135) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):

- [6] 60 GLY (-73.0, -126.9)
- [6] 64 LEU (-65.7, 42.9)
- [6] 71 GLY (170.1, 35.0)
- [6] 94 ILE (70.5, 145.0)
- [6] 96 GLY (176.2, 85.7)
- [6] 158 VAL (-52.8, 106.4)

# MolProbity Ramachandran analysis

7act.H.pdb, model 7



85.9% (116/135) of all residues were in favored (98%) regions.  
97.0% (131/135) of all residues were in allowed (>99.8%) regions.

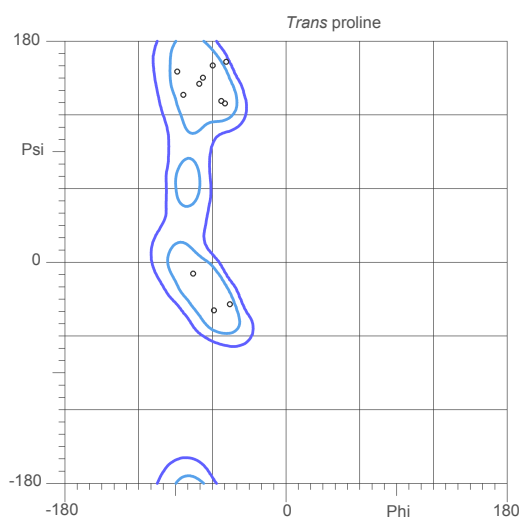
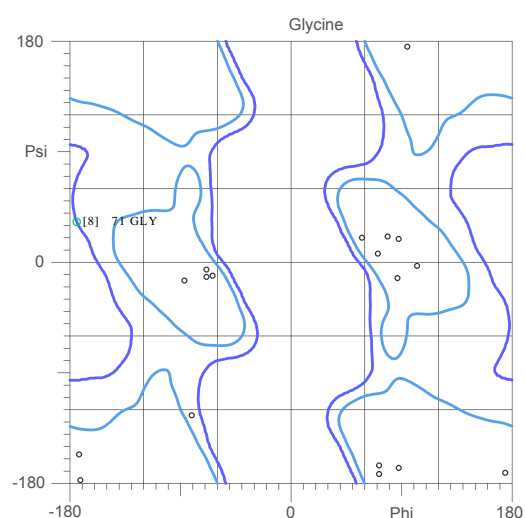
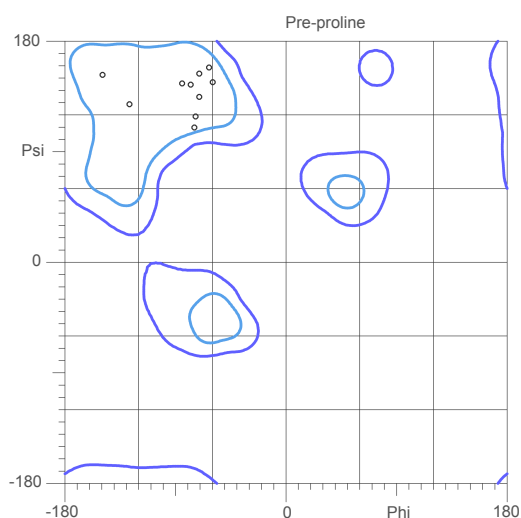
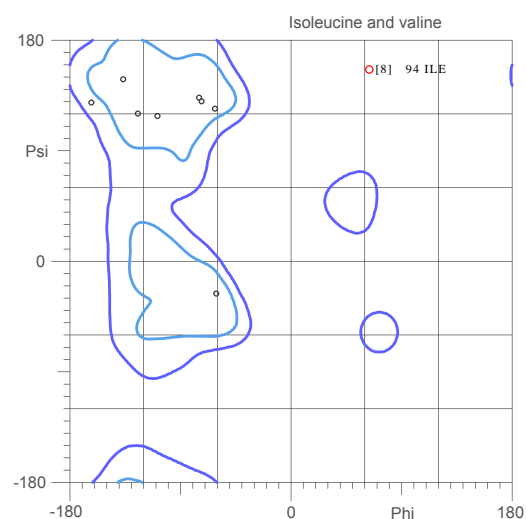
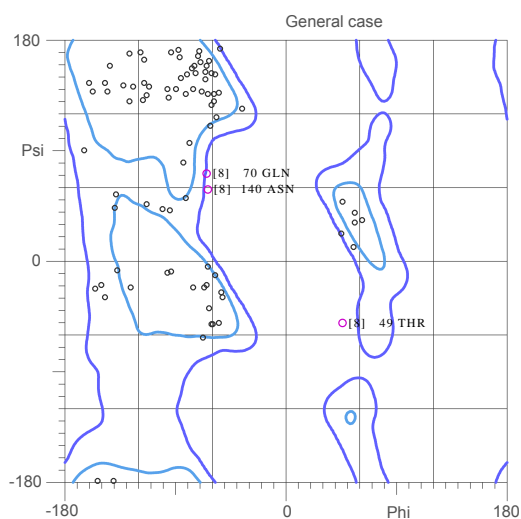
There were 4 outliers (phi, psi):

- [7] 71 GLY (174.9, 25.7)
- [7] 94 ILE (68.1, 160.9)
- [7] 158 VAL (-53.5, 97.8)
- [7] 162 PRO (-43.3, 160.4)



# MolProbity Ramachandran analysis

7act.H.pdb, model 8



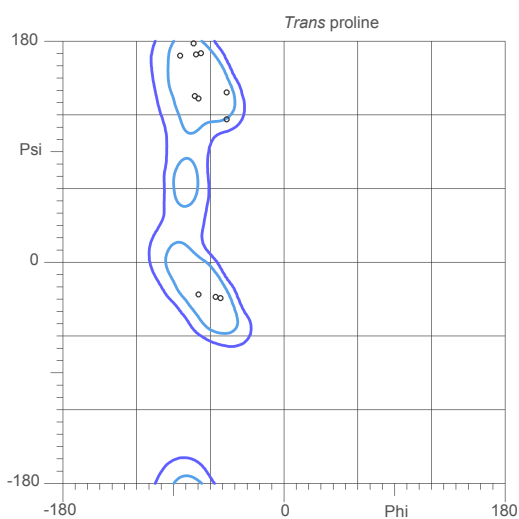
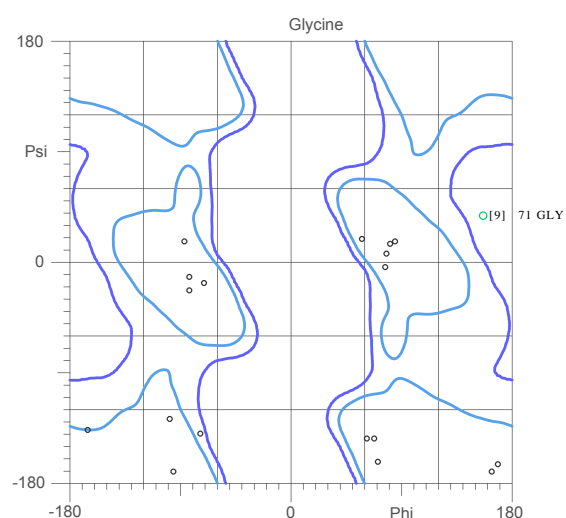
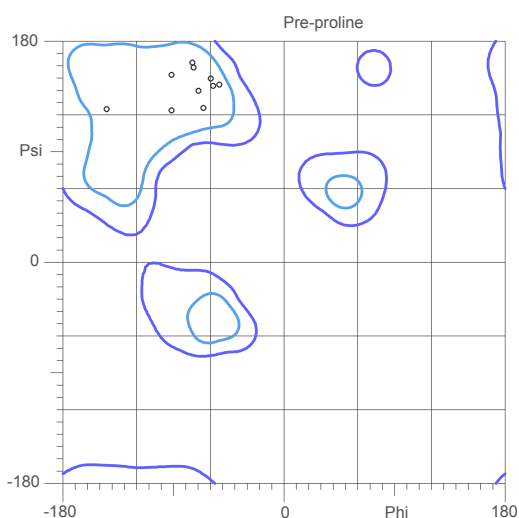
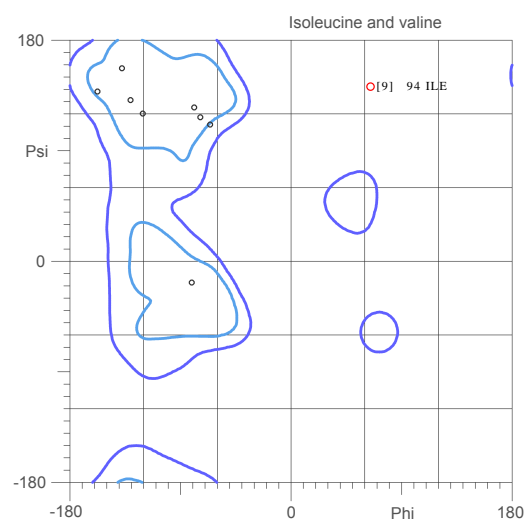
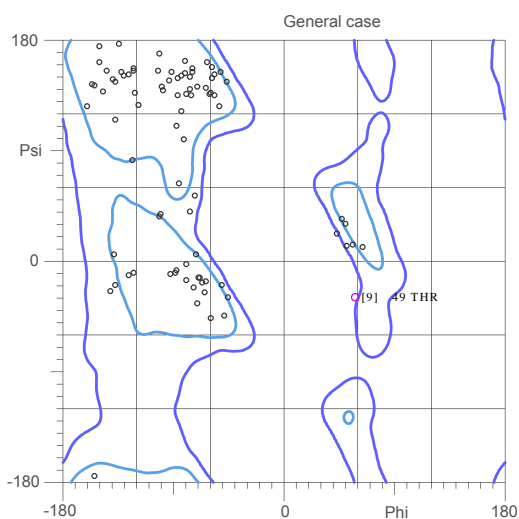
83.0% (112/135) of all residues were in favored (98%) regions.  
96.3% (130/135) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

- [8] 49 THR (46.2, -50.2)
- [8] 70 GLN (-65.4, 72.4)
- [8] 71 GLY (-175.2, 34.0)
- [8] 94 ILE (64.6, 157.8)
- [8] 140 ASN (-64.5, 59.6)

# MolProbity Ramachandran analysis

7act.H.pdb, model 9



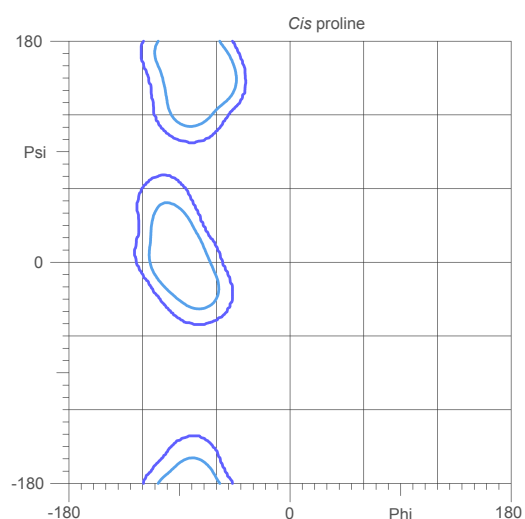
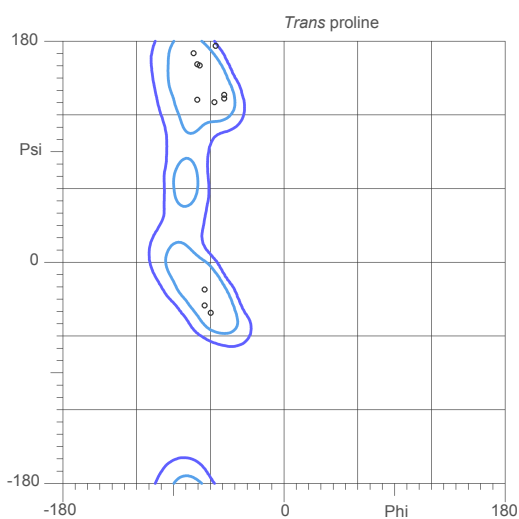
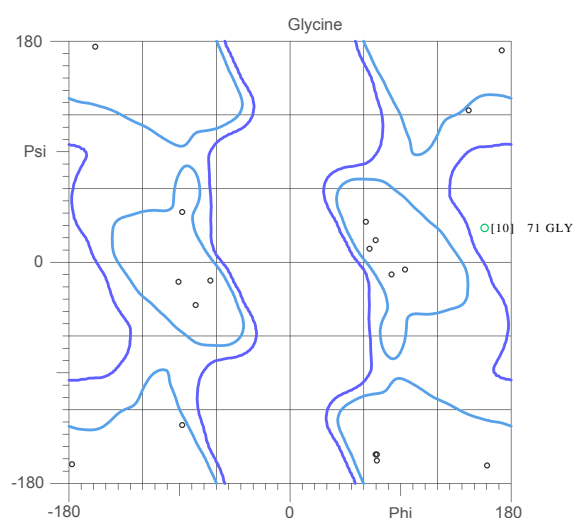
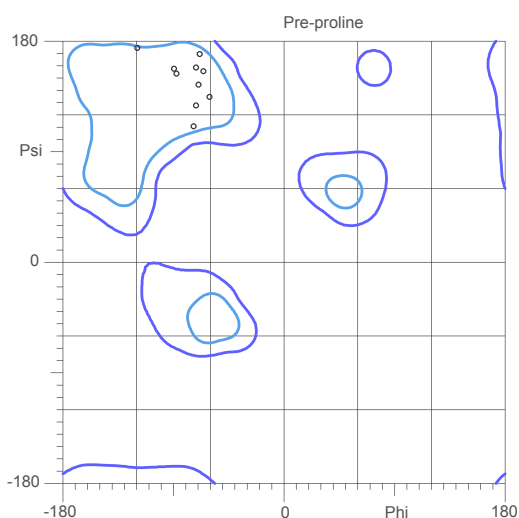
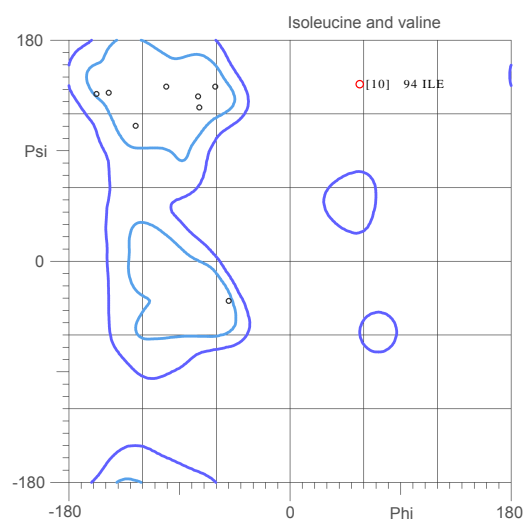
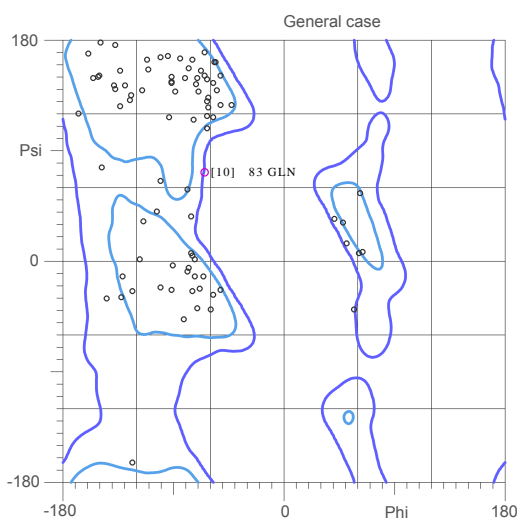
88.1% (119/135) of all residues were in favored (98%) regions.  
97.8% (132/135) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

- [9] 49 THR (58.5, -29.3)
- [9] 71 GLY (157.1, 38.2)
- [9] 94 ILE (65.9, 143.7)

# MolProbity Ramachandran analysis

7act.H.pdb, model 10



85.2% (115/135) of all residues were in favored (98%) regions.  
97.8% (132/135) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

[10] 71 GLY (159.2, 28.9)

[10] 83 GLN (-65.0, 73.8)

[10] 94 ILE (57.9, 145.1)