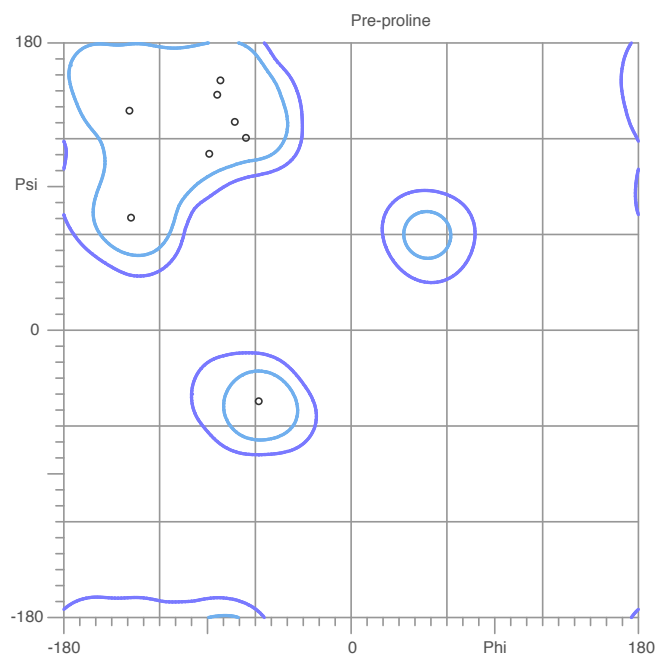
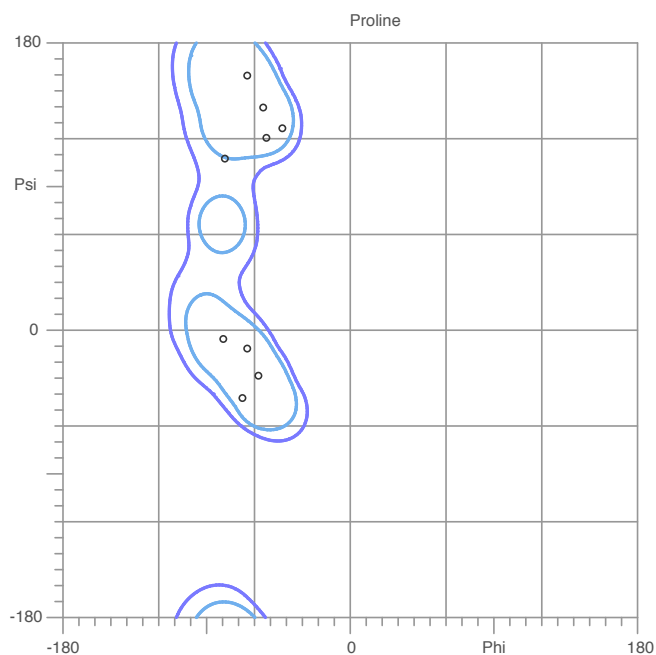
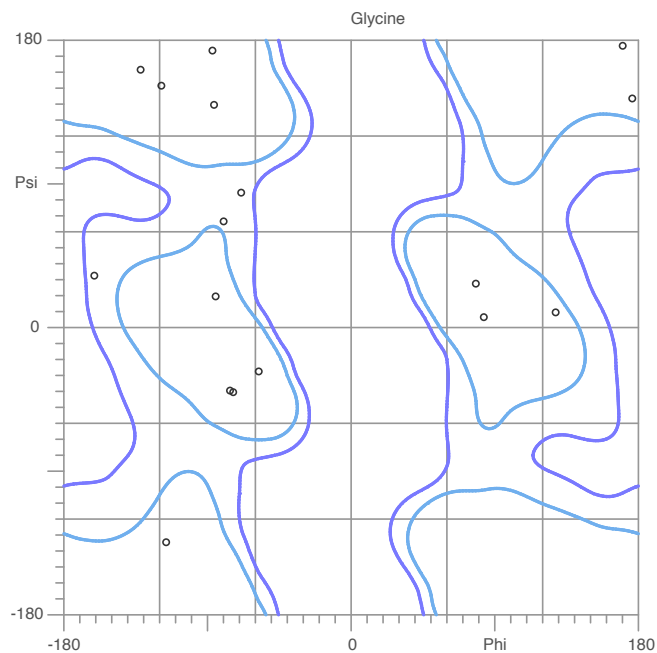
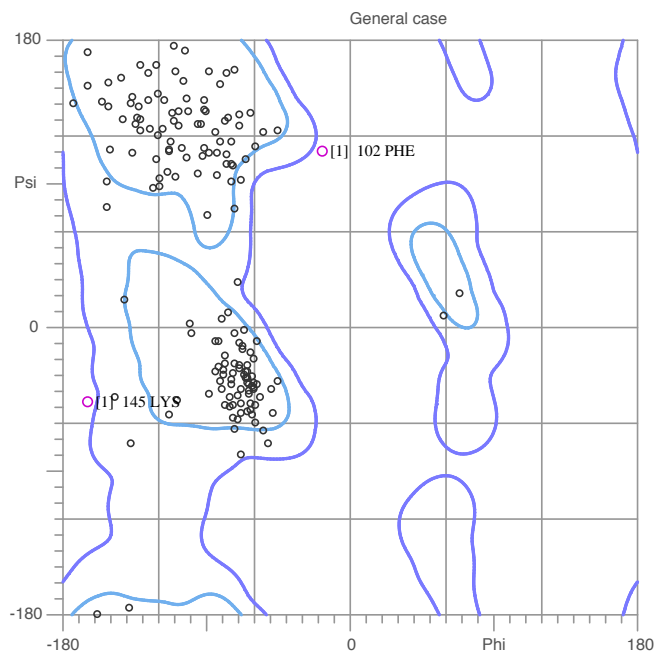




# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 1



90.5% (181/200) of all residues were in favored (98%) regions.  
99.0% (198/200) of all residues were in allowed (>99.8%) regions.

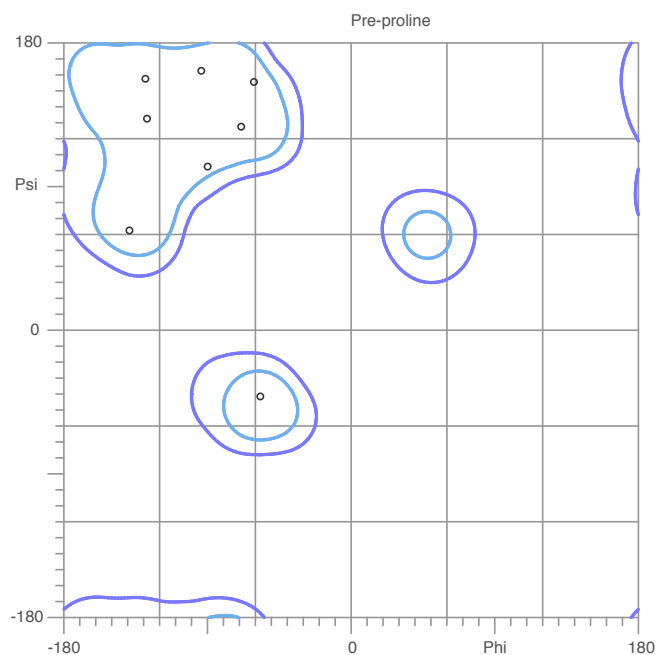
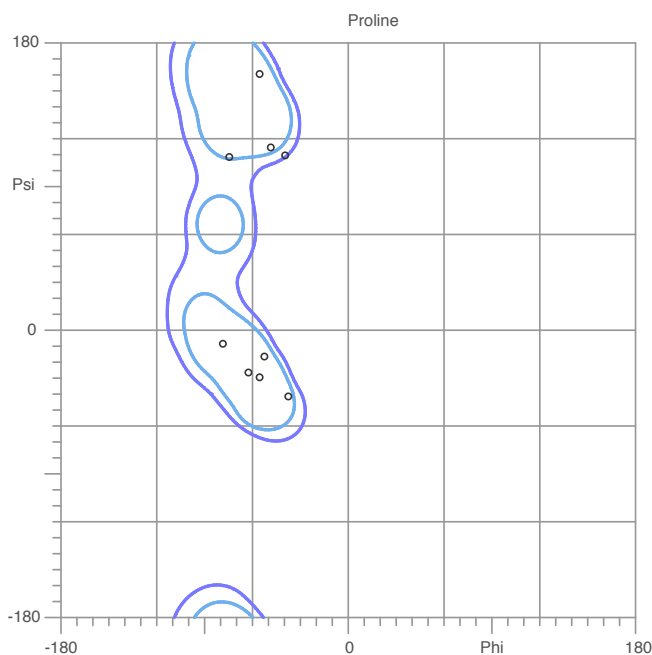
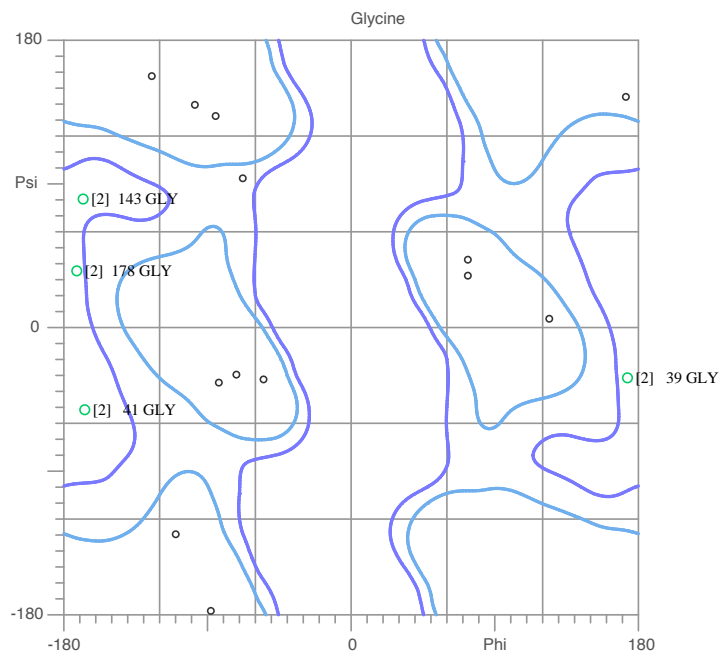
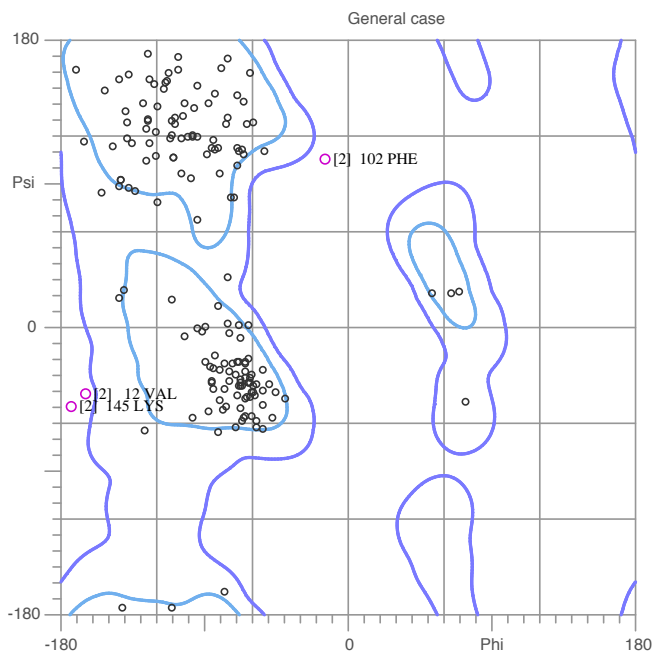
There were 2 outliers (phi, psi):

[1] 102 PHE (-18.8, 111.1)

[1] 145 LYS (-165.2, -46.8)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 2



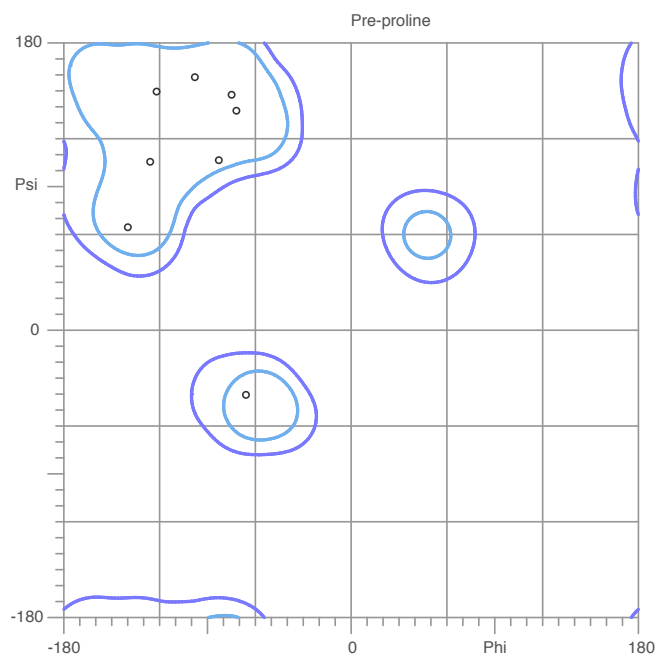
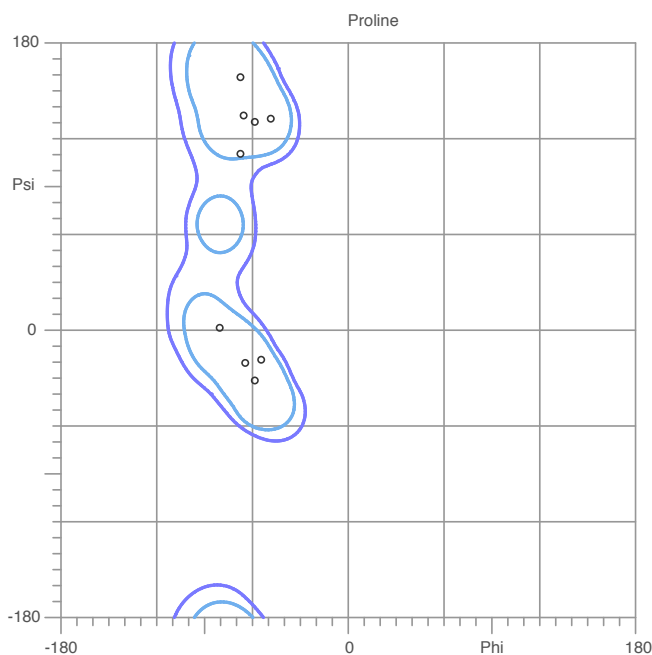
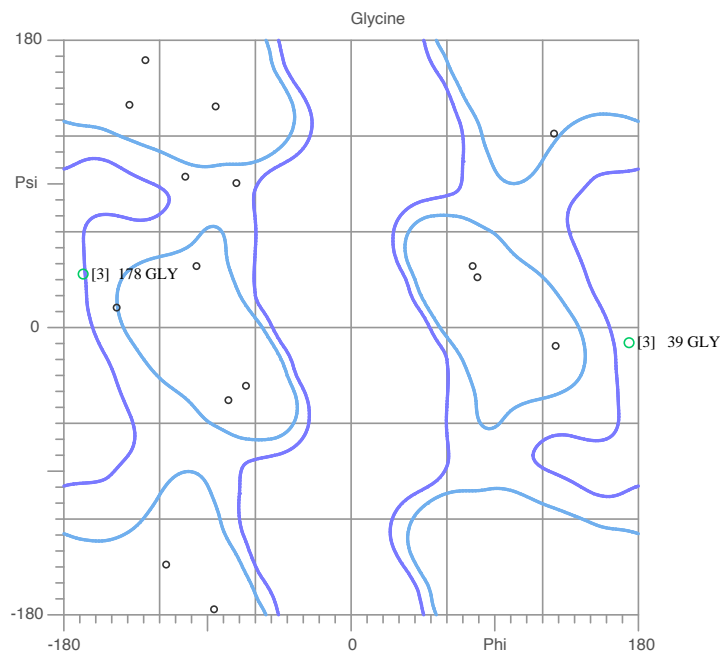
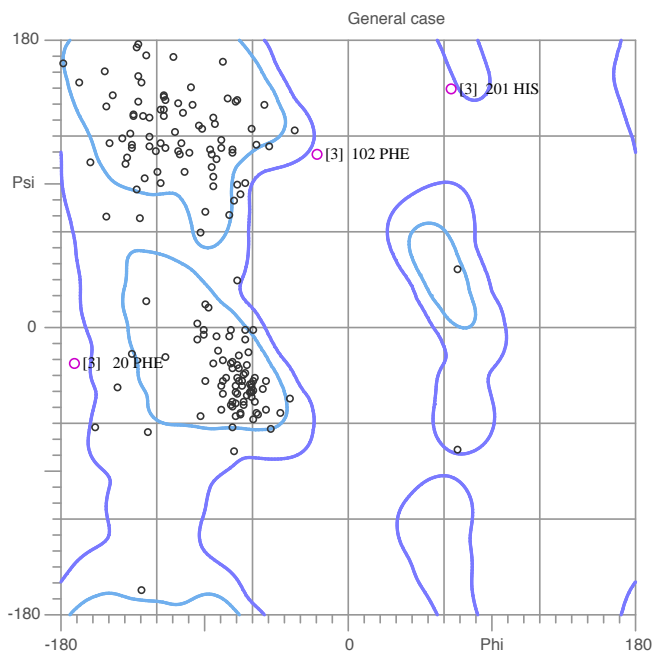
88.5% (177/200) of all residues were in favored (98%) regions.  
96.5% (193/200) of all residues were in allowed (>99.8%) regions.

There were 7 outliers (phi, psi):  
[2] 12 VAL (-165.6, -41.4)

[2] 39 GLY (173.5, -31.2)  
[2] 41 GLY (-167.1, -51.7)  
[2] 102 PHE (-15.6, 106.7)  
[2] 143 GLY (-168.7, 81.7)  
[2] 145 LYS (-174.2, -50.0)  
[2] 178 GLY (-172.6, 36.7)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 3



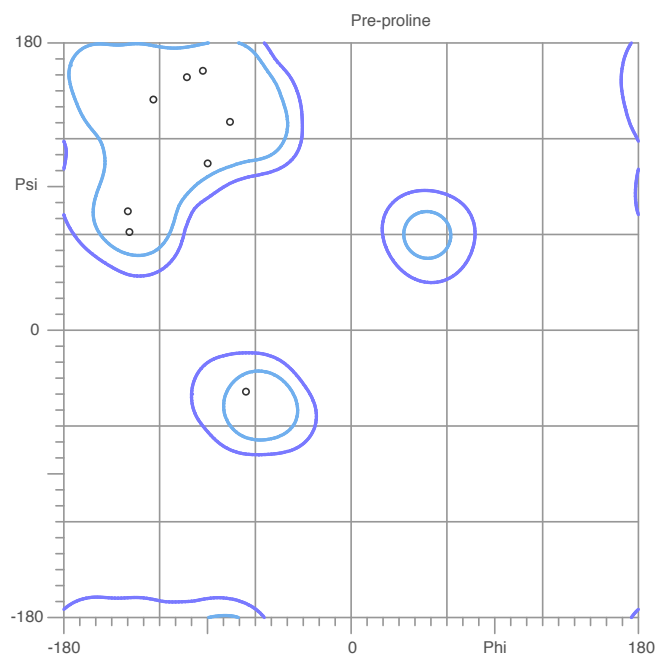
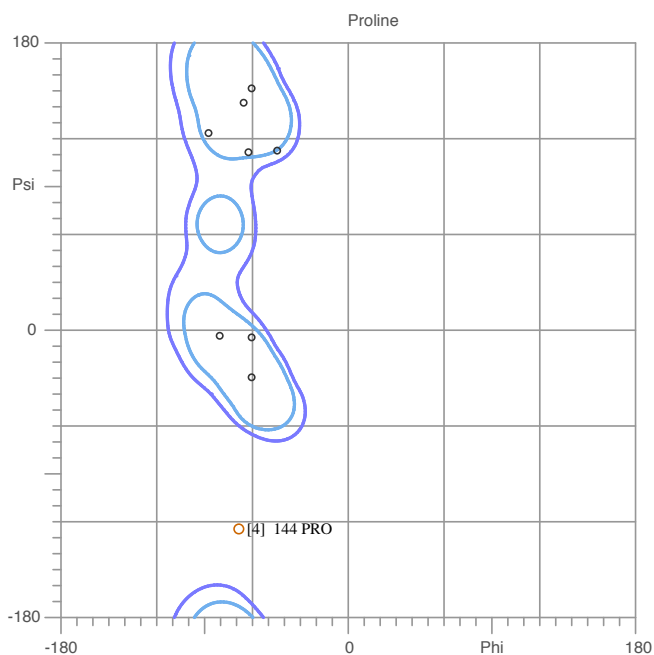
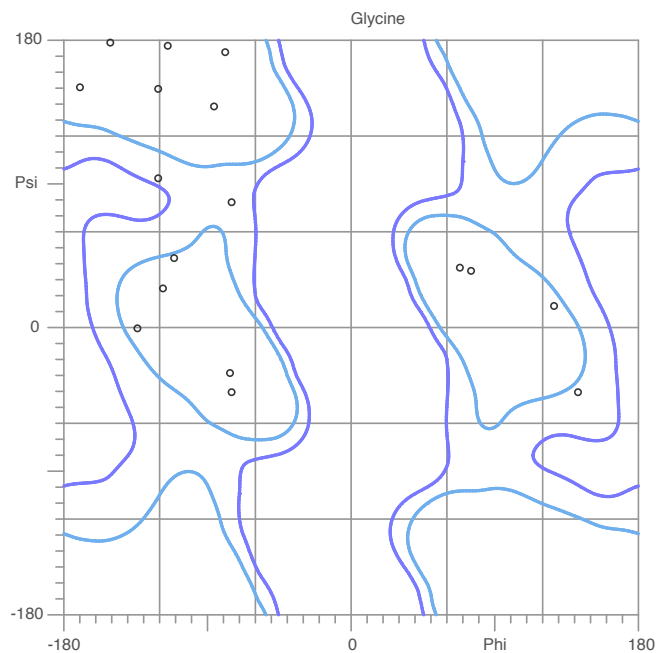
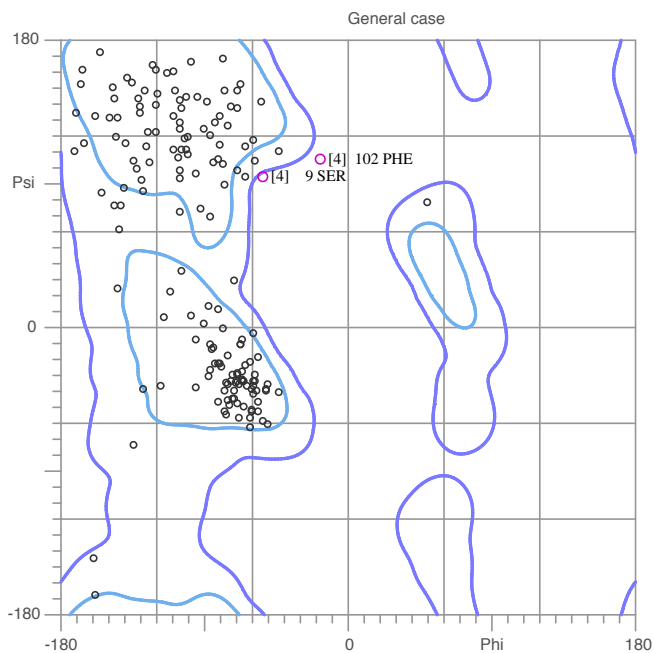
85.5% (171/200) of all residues were in favored (98%) regions.  
97.5% (195/200) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

[3] 20 PHE (-172.4, -22.8)  
[3] 39 GLY (174.6, -9.2)  
[3] 102 PHE (-20.3, 109.4)  
[3] 178 GLY (-168.6, 34.9)  
[3] 201 HIS (64.2, 150.9)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 4



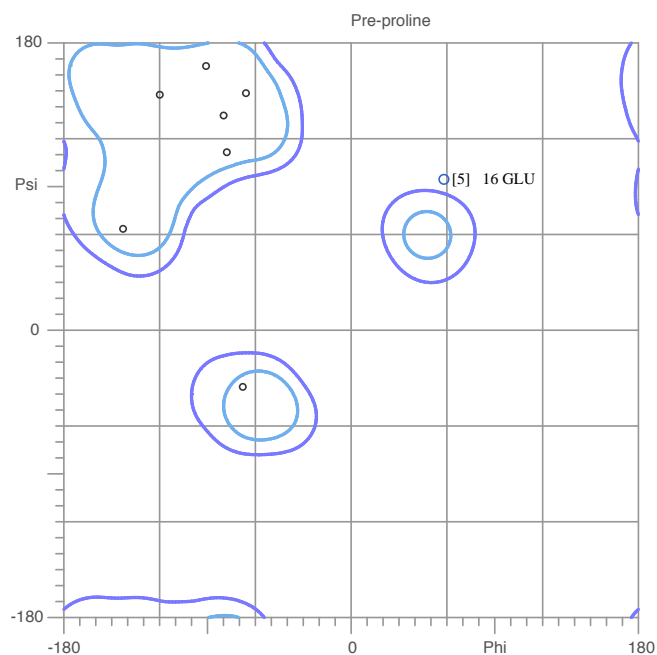
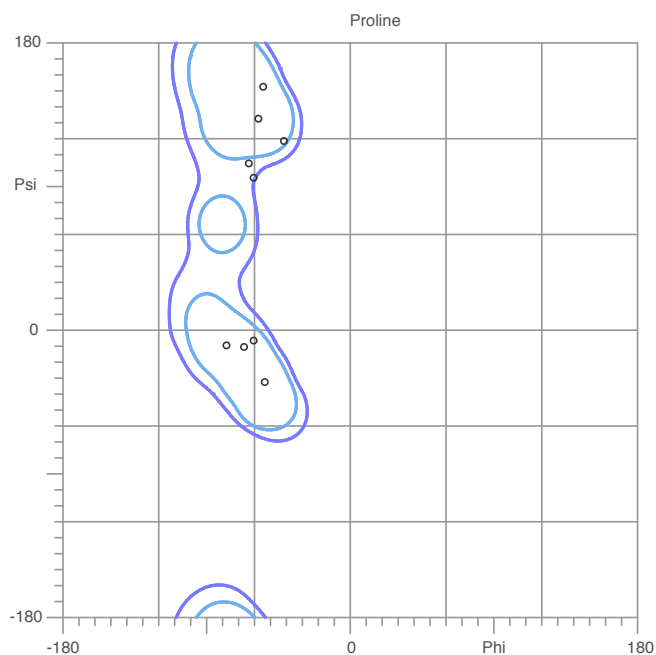
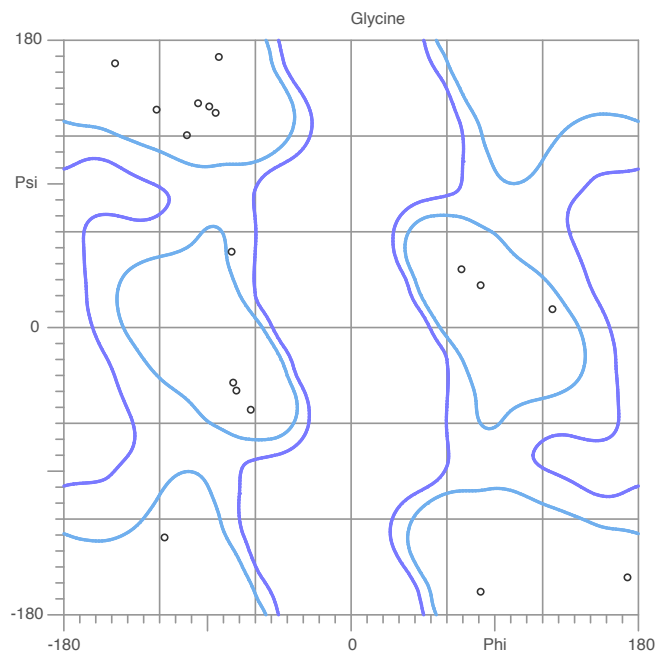
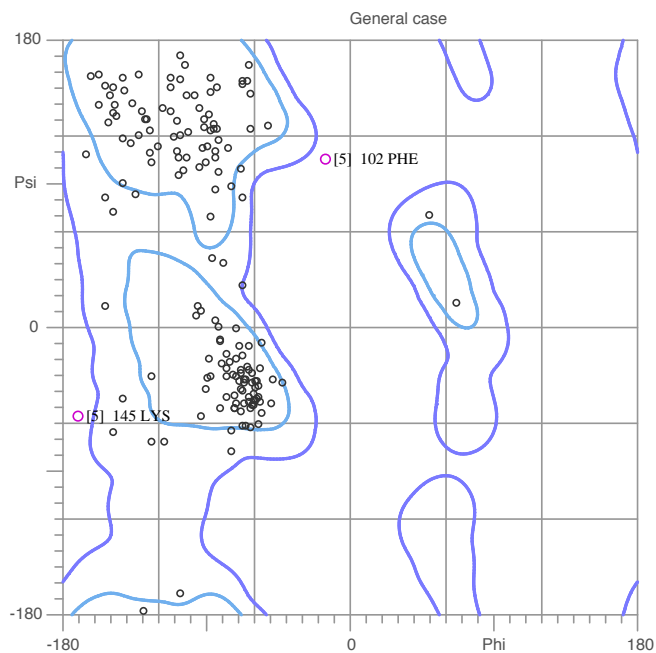
87.0% (174/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

- [4] 9 SER (-54.6, 95.8)
- [4] 102 PHE (-18.2, 106.1)
- [4] 144 PRO (-69.5, -124.3)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 5



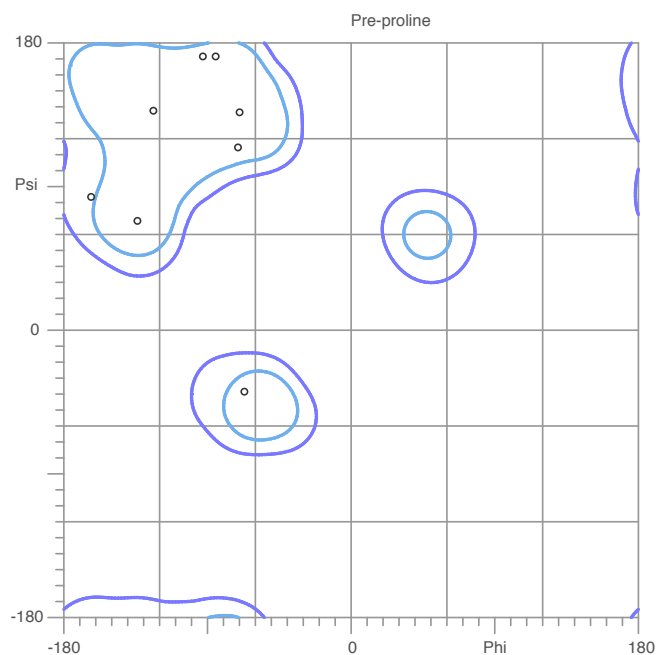
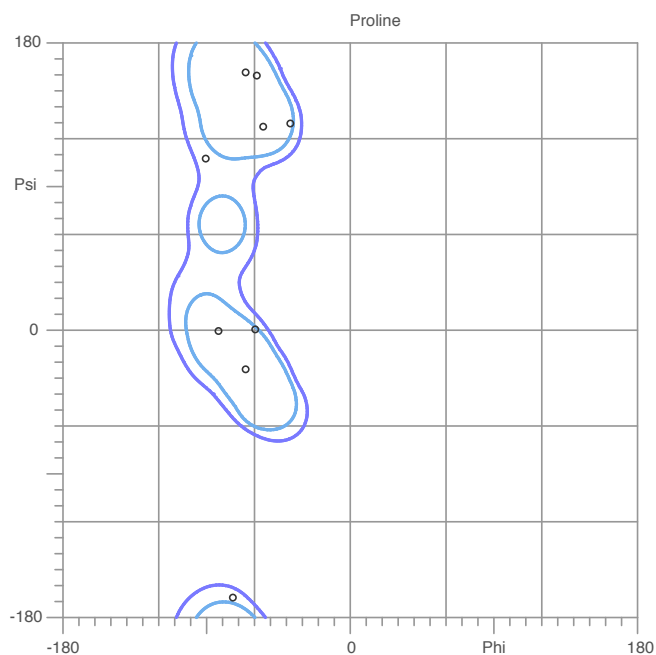
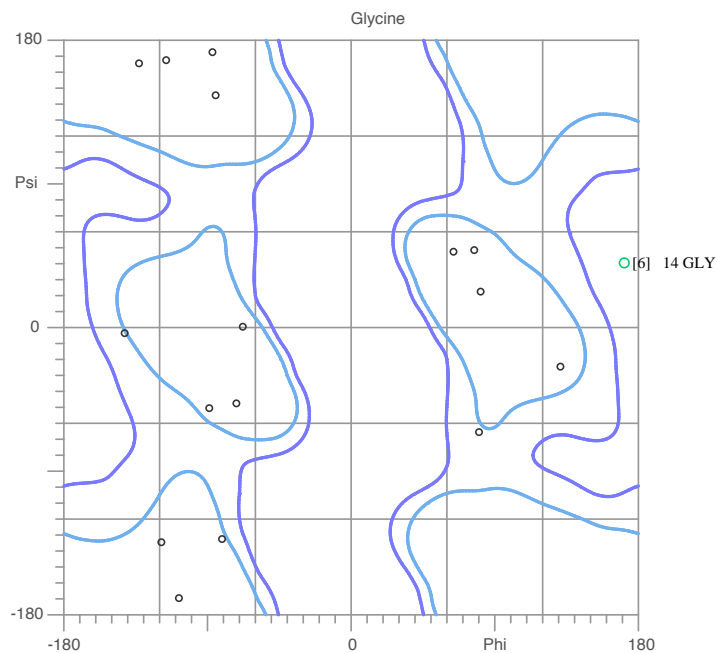
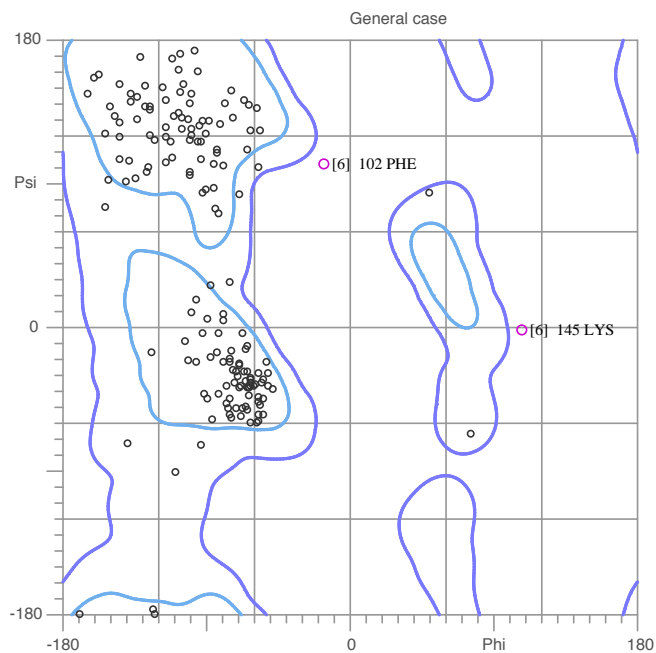
87.5% (175/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

- [5] 16 GLU (58.8, 95.5)
- [5] 102 PHE (-16.1, 106.9)
- [5] 145 LYS (-171.4, -55.2)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 6



90.5% (181/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

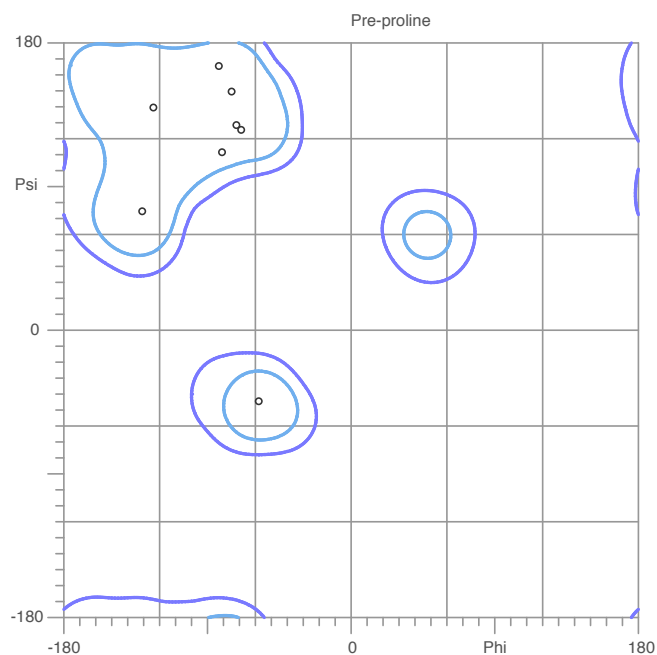
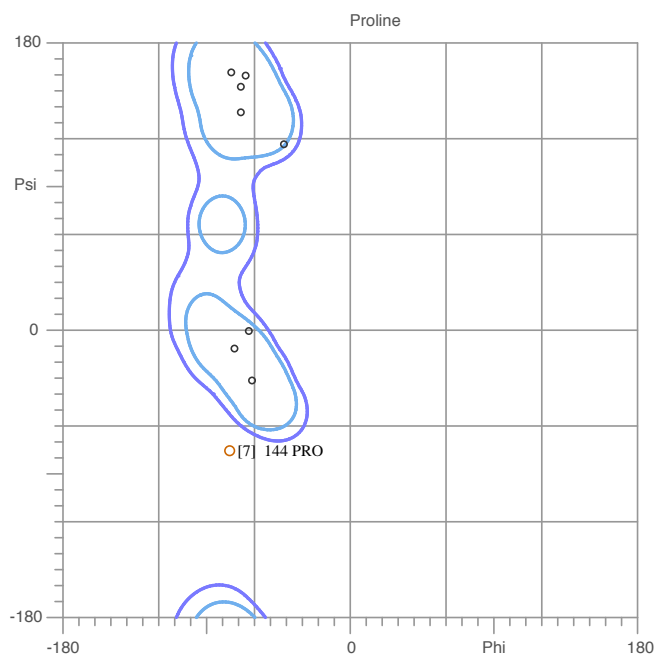
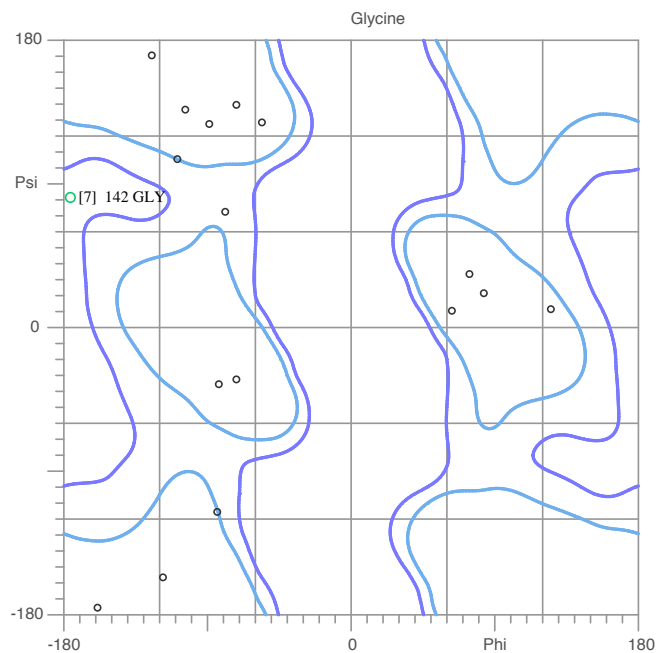
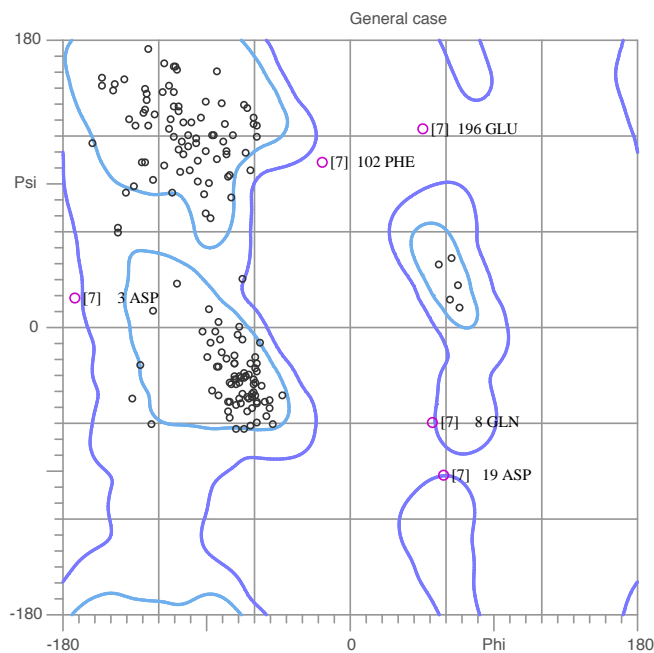
[6] 14 GLY (171.2, 41.7)

[6] 102 PHE (-17.7, 103.6)

[6] 145 LYS (108.0, -1.7)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 7



90.5% (181/200) of all residues were in favored (98%) regions.  
96.5% (193/200) of all residues were in allowed (>99.8%) regions.

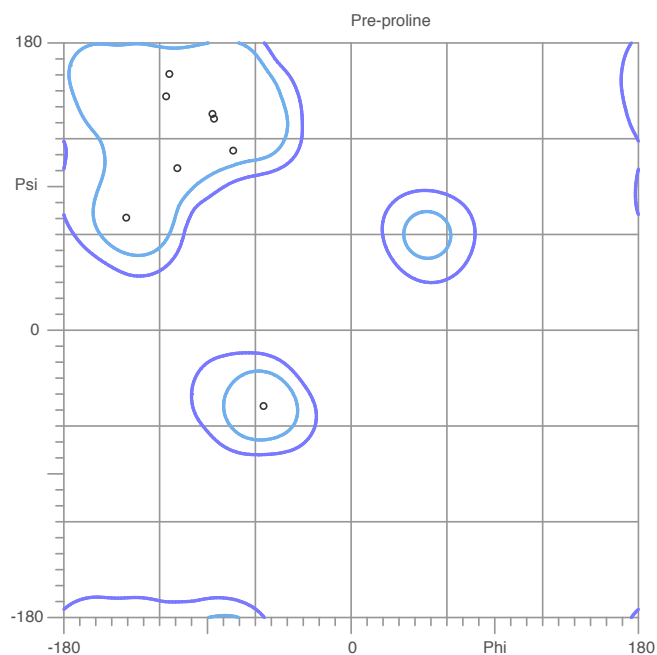
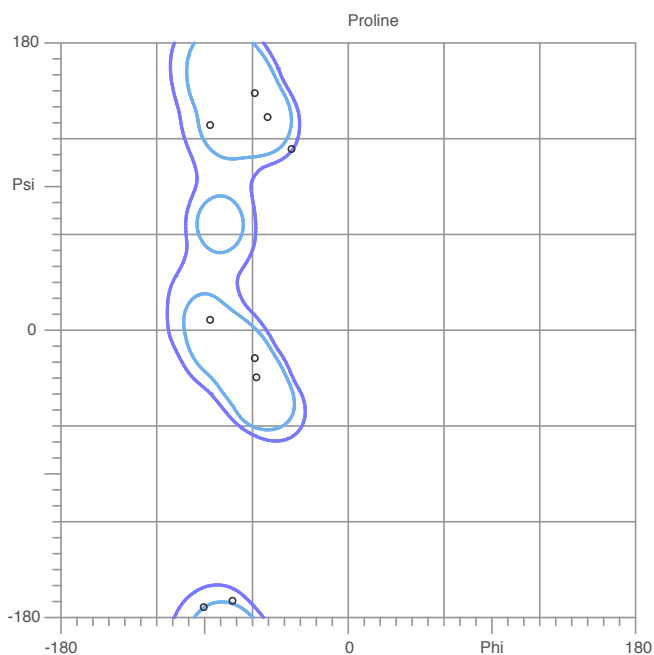
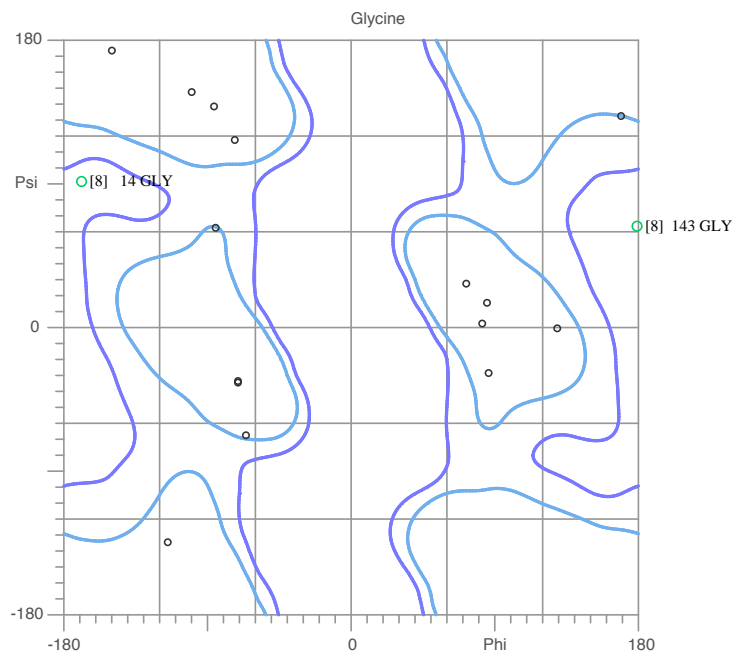
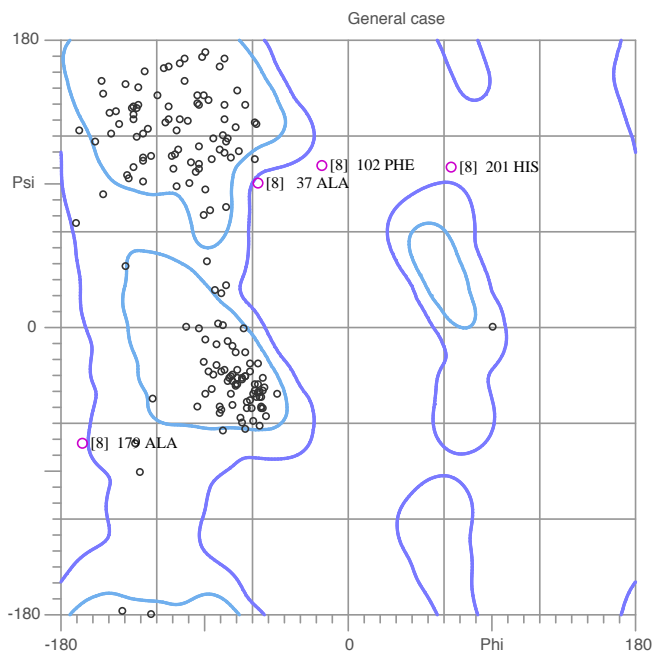
There were 7 outliers (phi, psi):

[7] 3 ASP (-173.3, 19.1)

[7] 8 GLN (51.0, -59.2)  
[7] 19 ASP (58.6, -92.8)  
[7] 102 PHE (-18.5, 104.4)  
[7] 142 GLY (-176.9, 82.4)  
[7] 144 PRO (-76.4, -76.0)  
[7] 196 GLU (45.6, 125.3)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 8



88.5% (177/200) of all residues were in favored (98%) regions.  
97.0% (194/200) of all residues were in allowed (>99.8%) regions.

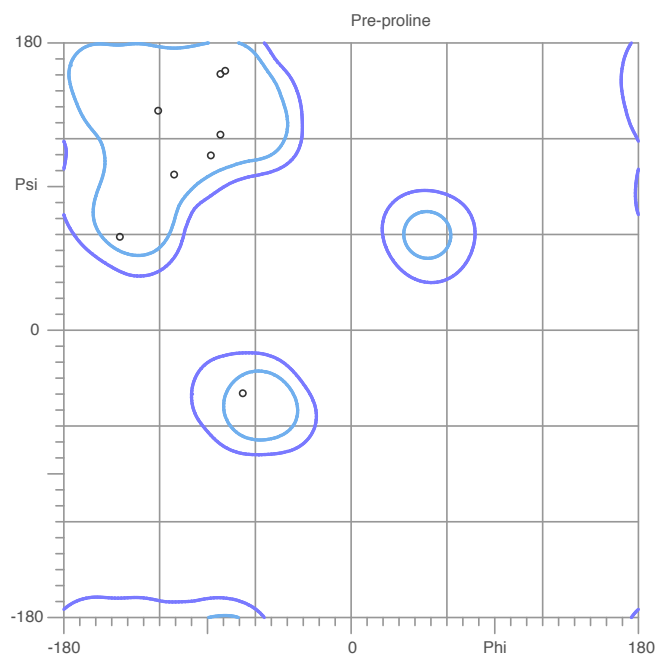
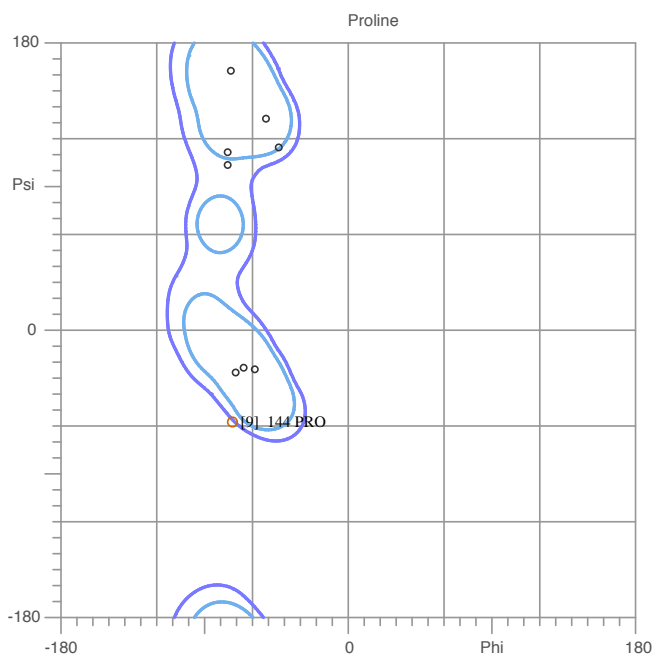
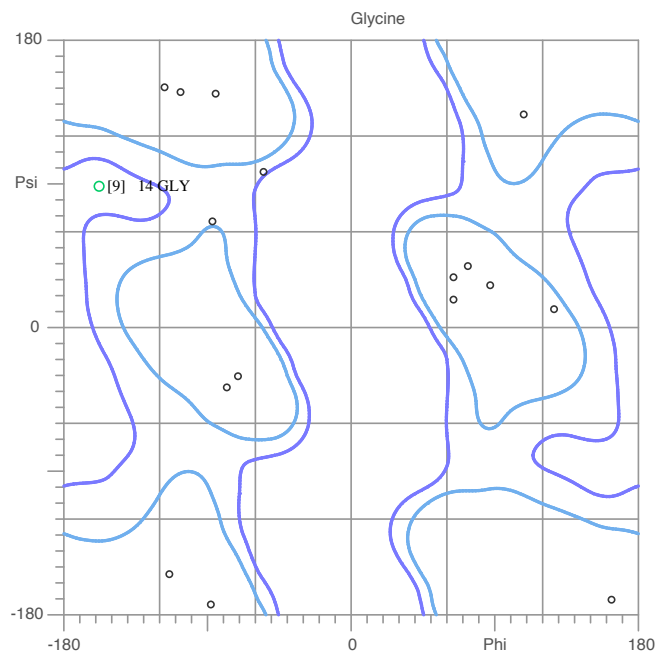
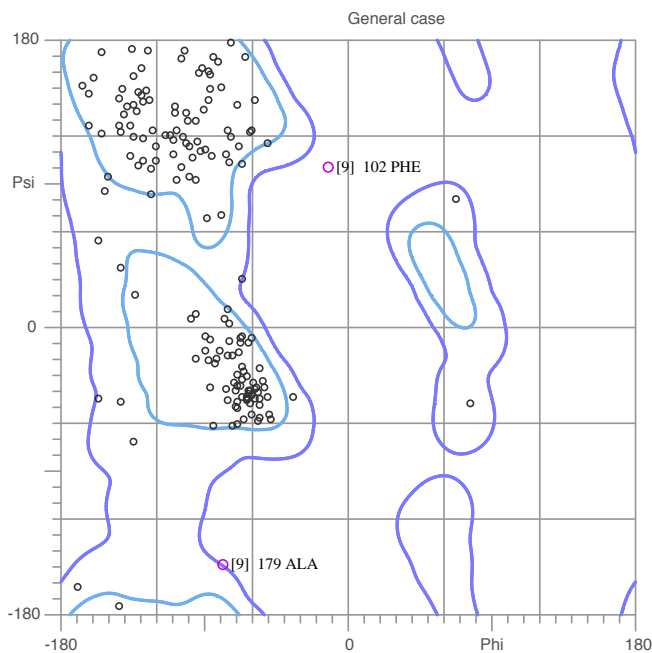
There were 6 outliers (phi, psi):

[8] 14 GLY (-169.0, 92.9)

[8] 37 ALA (-57.6, 91.9)  
[8] 102 PHE (-17.7, 102.5)  
[8] 143 GLY (179.6, 64.3)  
[8] 179 ALA (-167.2, -72.9)  
[8] 201 HIS (64.9, 101.3)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 9



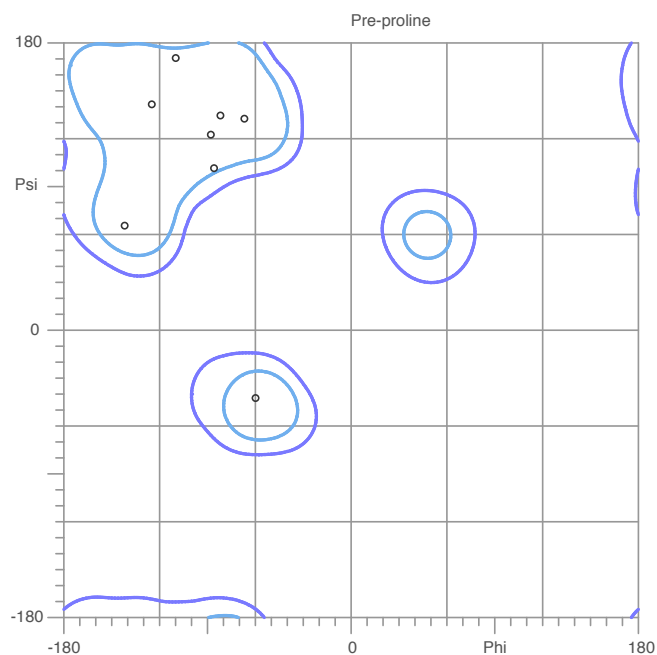
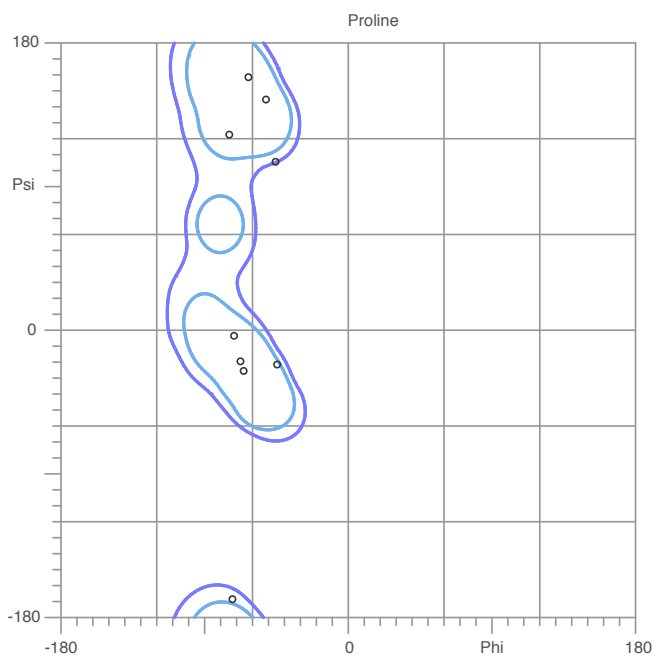
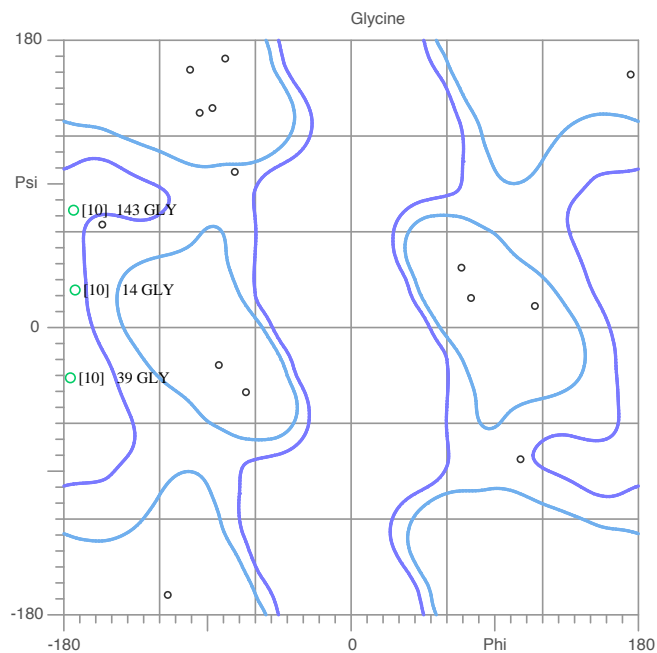
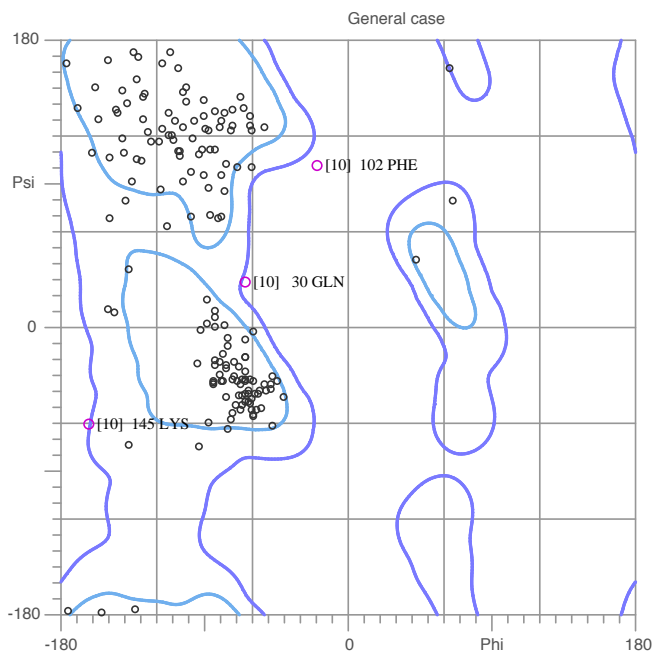
90.5% (181/200) of all residues were in favored (98%) regions.  
98.0% (196/200) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [9] 14 GLY (-158.8, 89.1)
- [9] 102 PHE (-14.0, 101.8)
- [9] 144 PRO (-74.0, -57.5)
- [9] 179 ALA (-79.4, -148.4)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 10



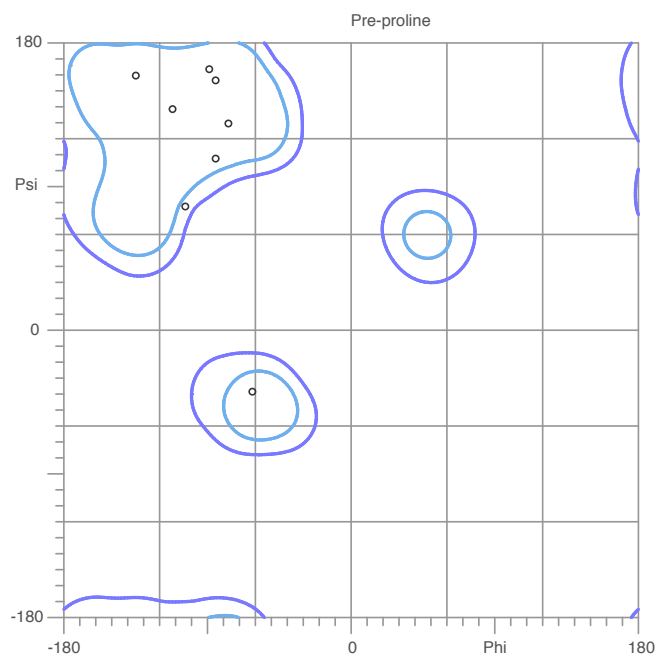
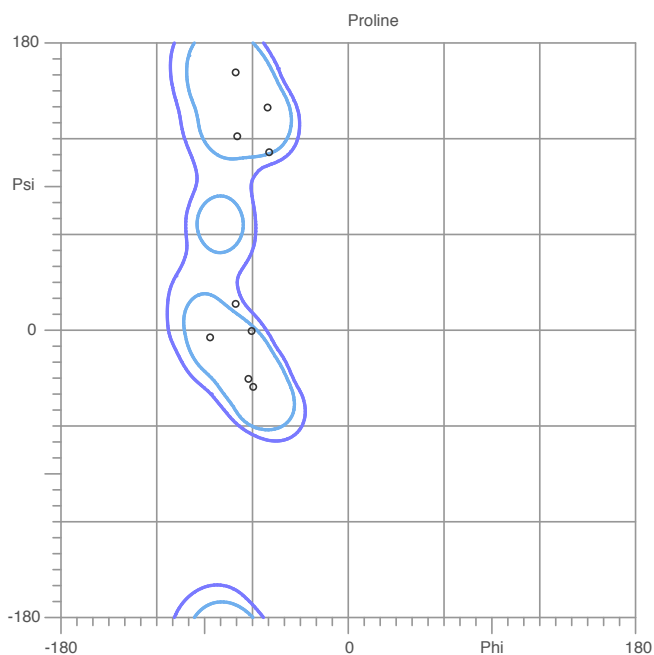
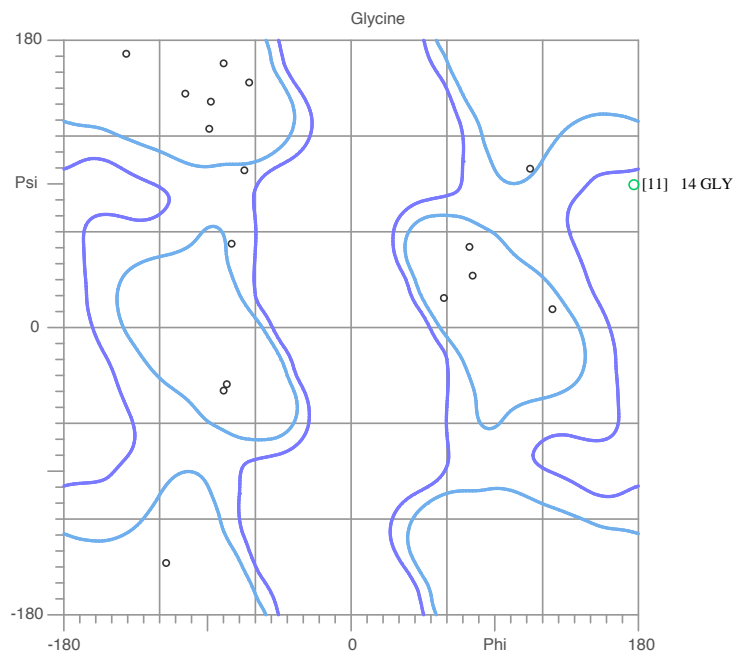
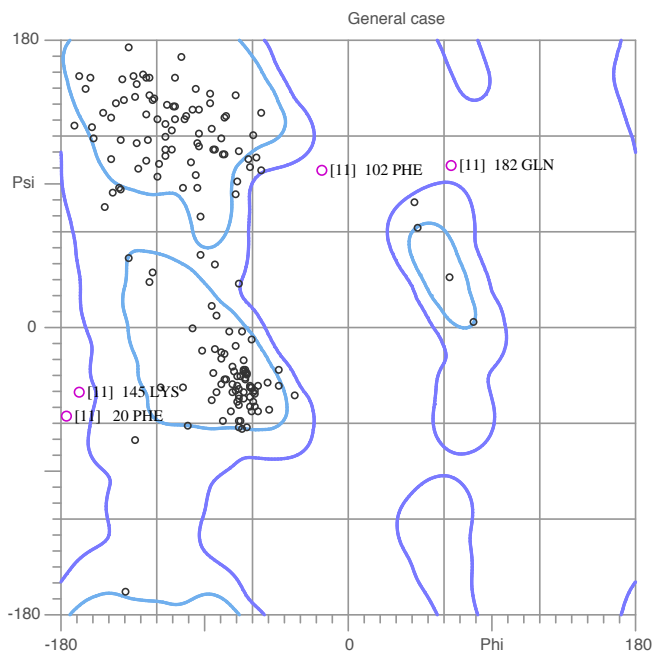
87.5% (175/200) of all residues were in favored (98%) regions.  
97.0% (194/200) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):  
[10] 14 GLY (-173.0, 24.2)

[10] 30 GLN (-65.5, 29.8)  
[10] 39 GLY (-176.4, -31.9)  
[10] 102 PHE (-20.9, 102.8)  
[10] 143 GLY (-174.3, 74.8)  
[10] 145 LYS (-163.1, -60.3)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 11



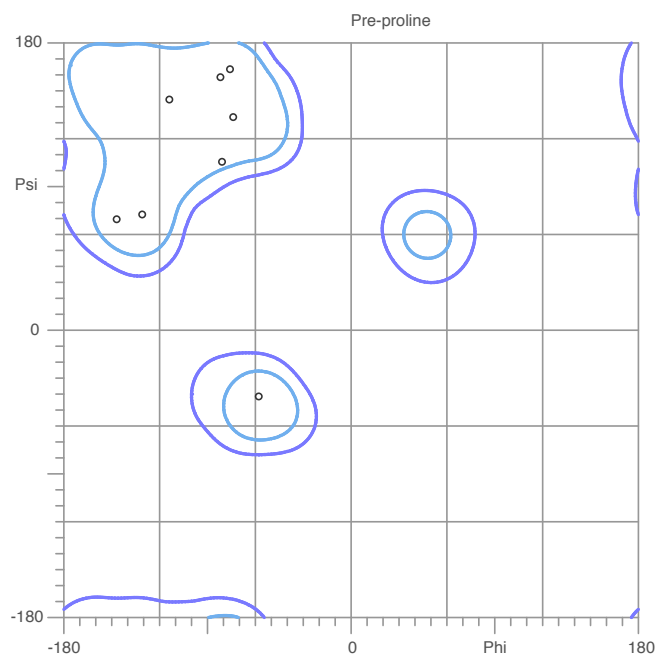
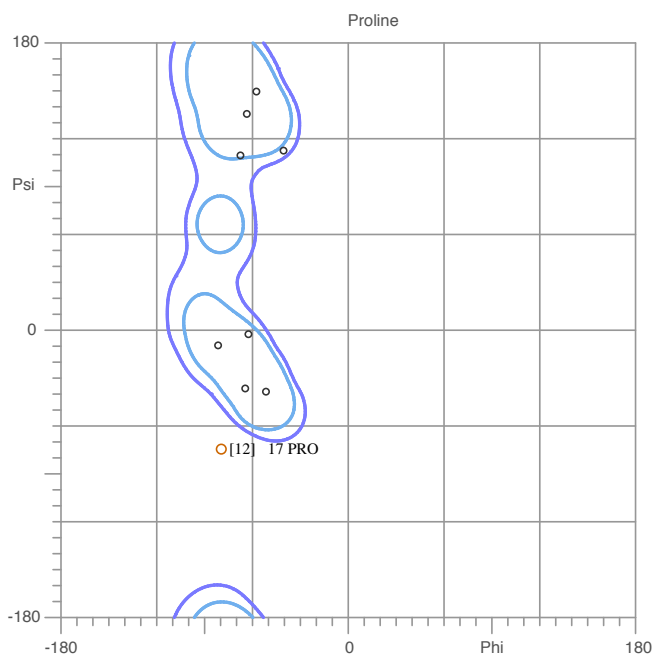
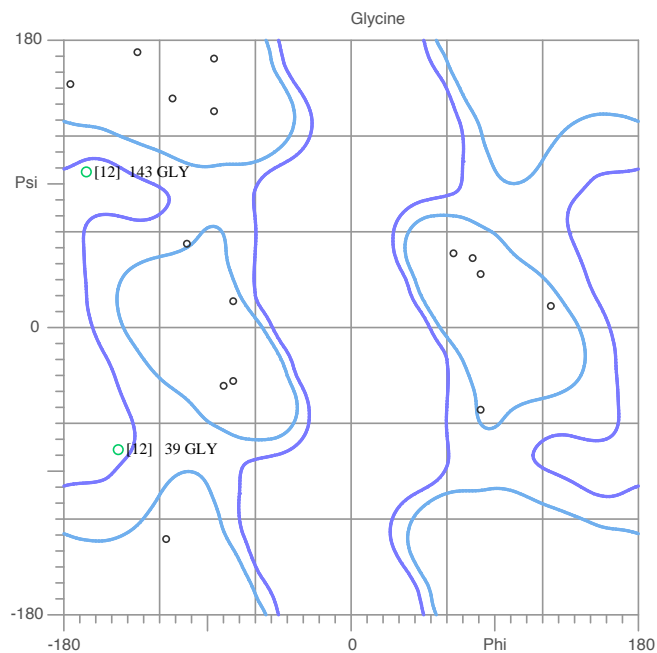
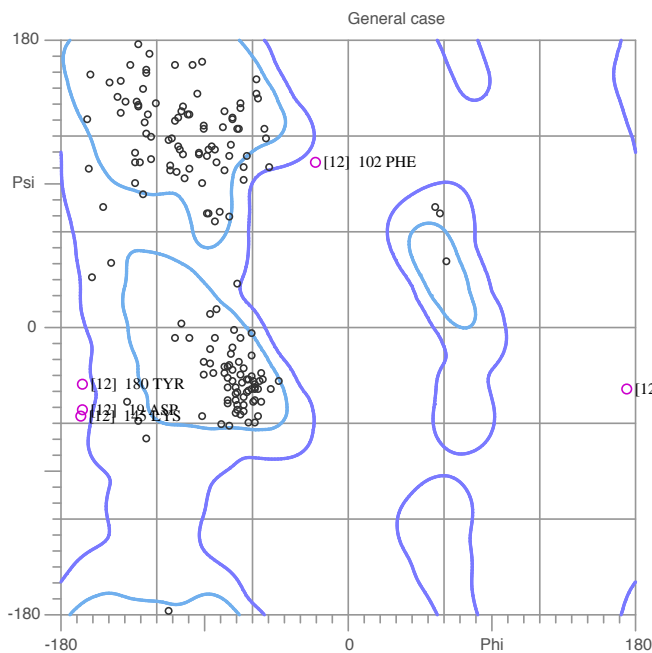
84.5% (169/200) of all residues were in favored (98%) regions.  
97.5% (195/200) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

[11] 14 GLY (177.6, 90.7)  
[11] 20 PHE (-177.4, -55.2)  
[11] 102 PHE (-17.5, 99.4)  
[11] 145 LYS (-169.9, -40.9)  
[11] 182 GLN (64.1, 102.8)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 12



88.0% (176/200) of all residues were in favored (98%) regions.  
96.0% (192/200) of all residues were in allowed (>99.8%) regions.

There were 8 outliers (phi, psi):

[12] 17 PRO (-80.4, -74.4)

[12] 19 ASP (-167.8, -51.9)

[12] 20 PHE (174.2, -38.3)

[12] 39 GLY (-146.2, -76.3)

[12] 102 PHE (-21.6, 104.9)

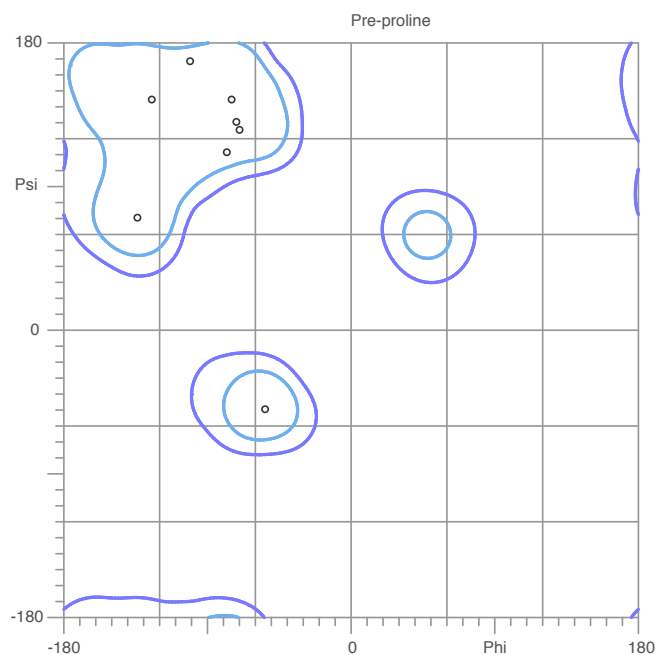
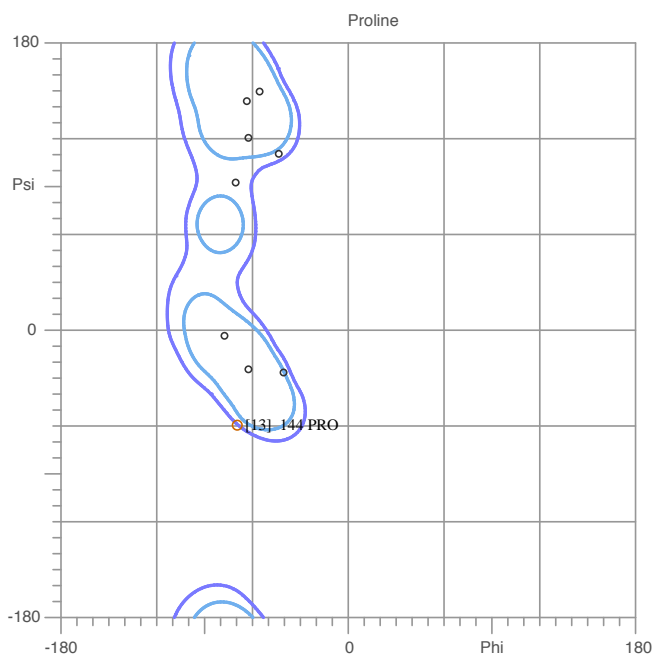
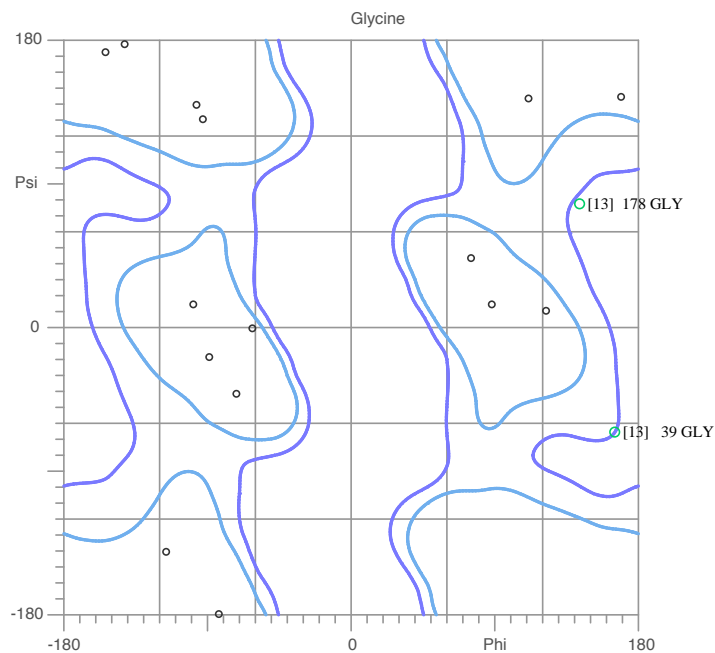
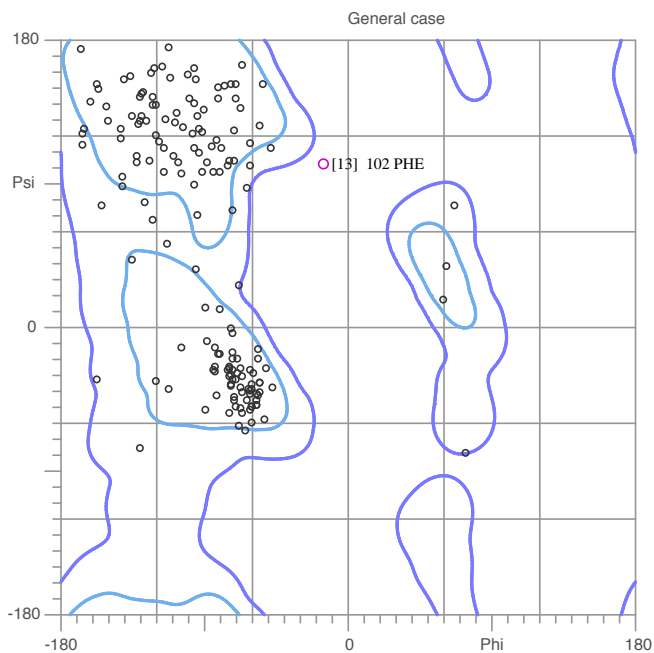
[12] 143 GLY (-166.7, 98.8)

[12] 145 LYS (-168.1, -55.0)

[12] 180 TYR (-167.1, -35.7)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 13



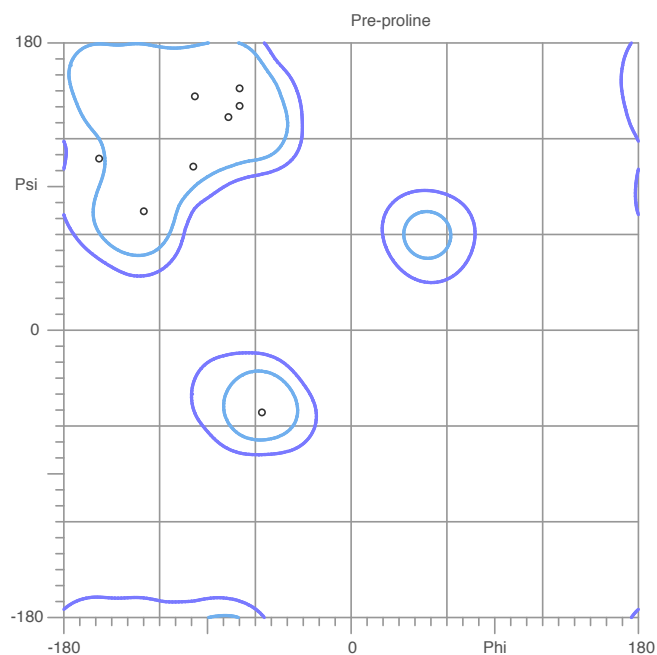
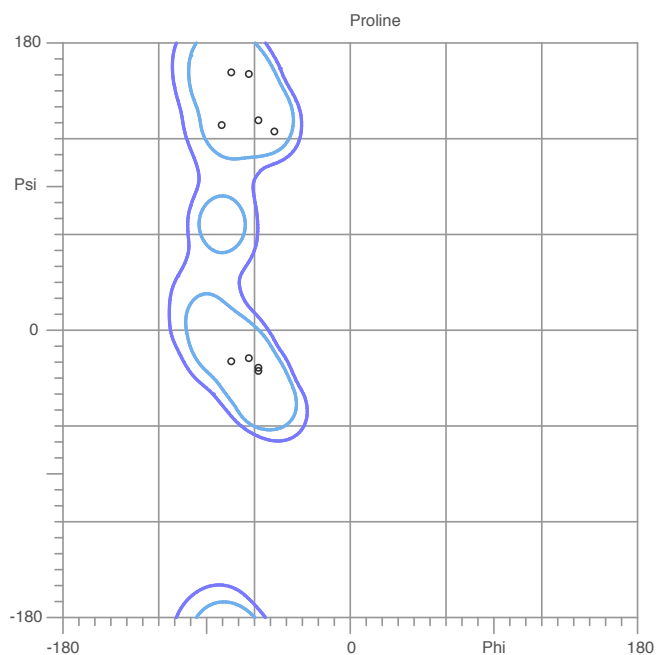
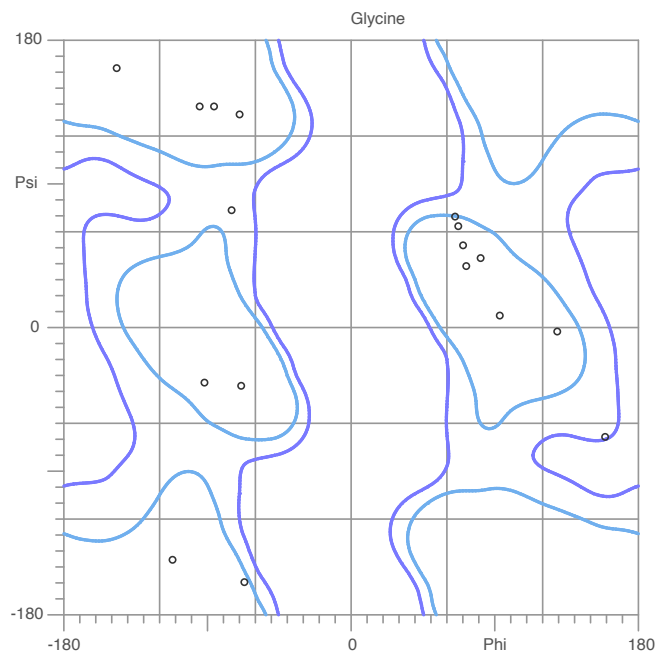
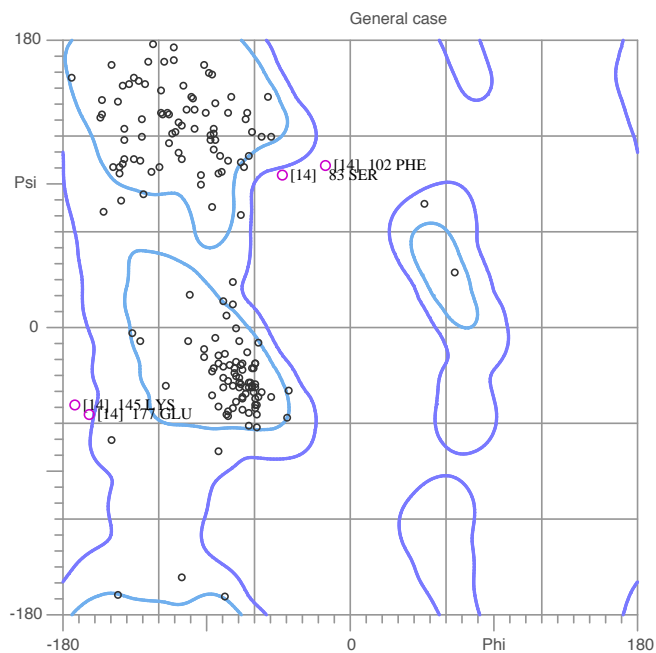
88.5% (177/200) of all residues were in favored (98%) regions.  
98.0% (196/200) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [13] 39 GLY (165.5, -65.7)
- [13] 102 PHE (-16.0, 103.9)
- [13] 144 PRO (-70.2, -59.7)
- [13] 178 GLY (143.2, 78.5)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 14



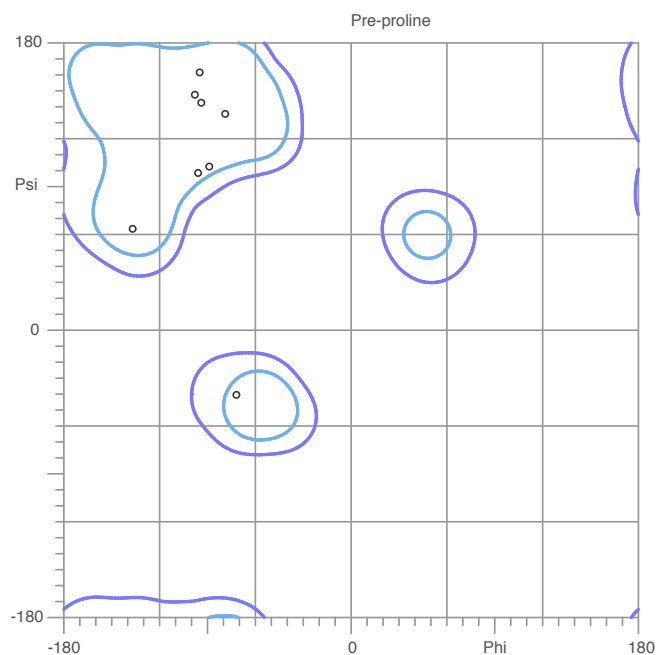
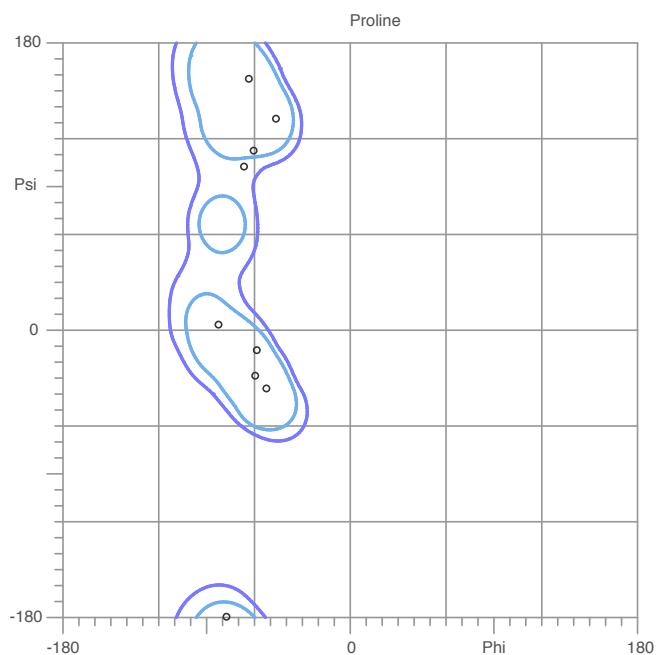
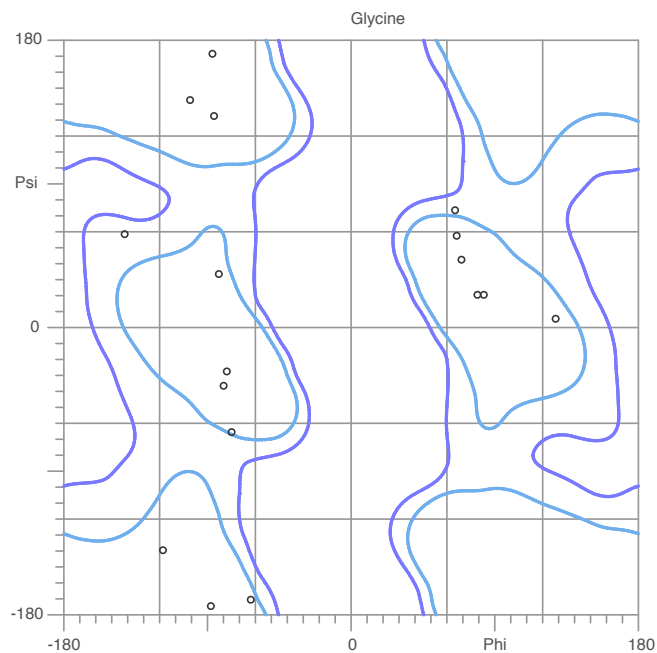
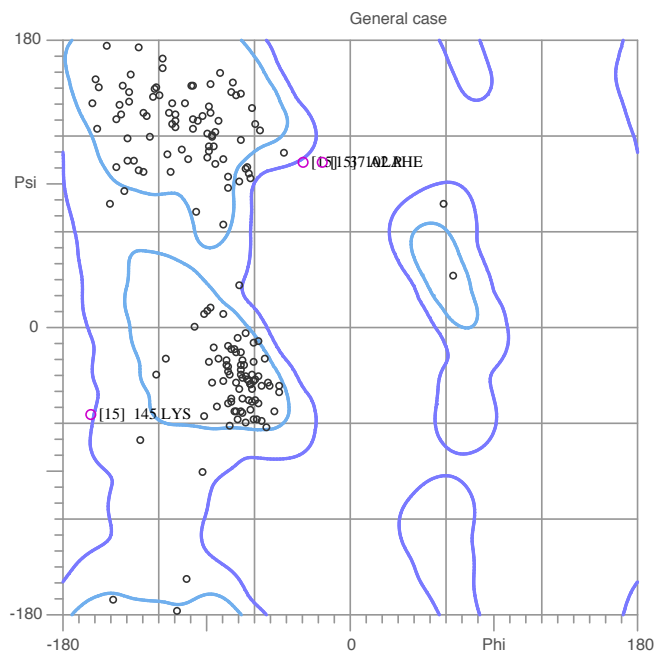
89.0% (178/200) of all residues were in favored (98%) regions.  
98.0% (196/200) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [14] 83 SER (-43.6, 96.0)
- [14] 102 PHE (-16.2, 102.8)
- [14] 145 LYS (-173.1, -48.4)
- [14] 177 GLU (-164.2, -55.0)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 15



90.5% (181/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

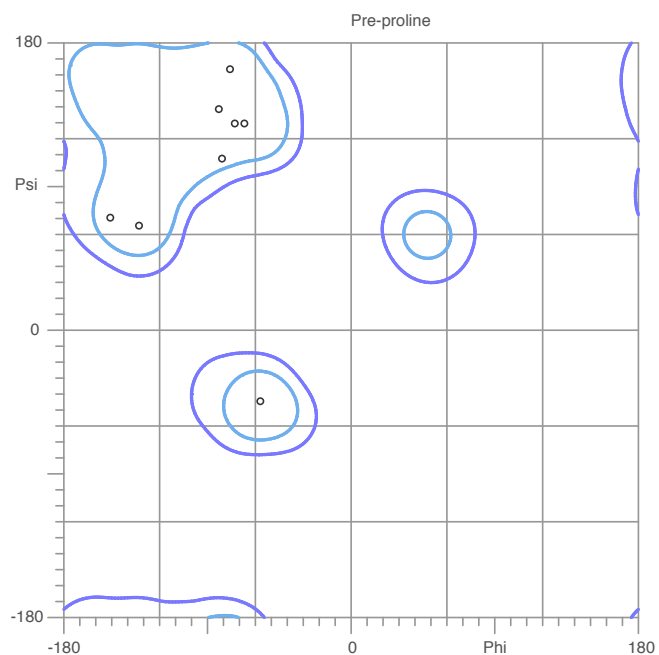
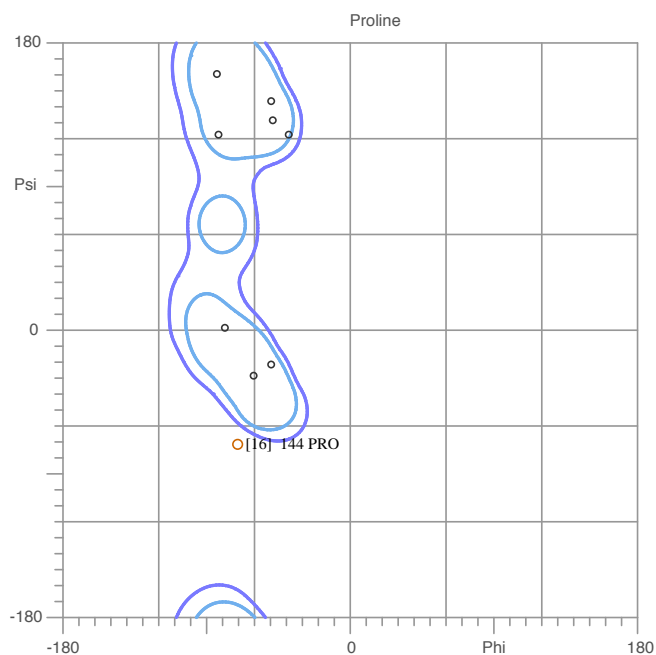
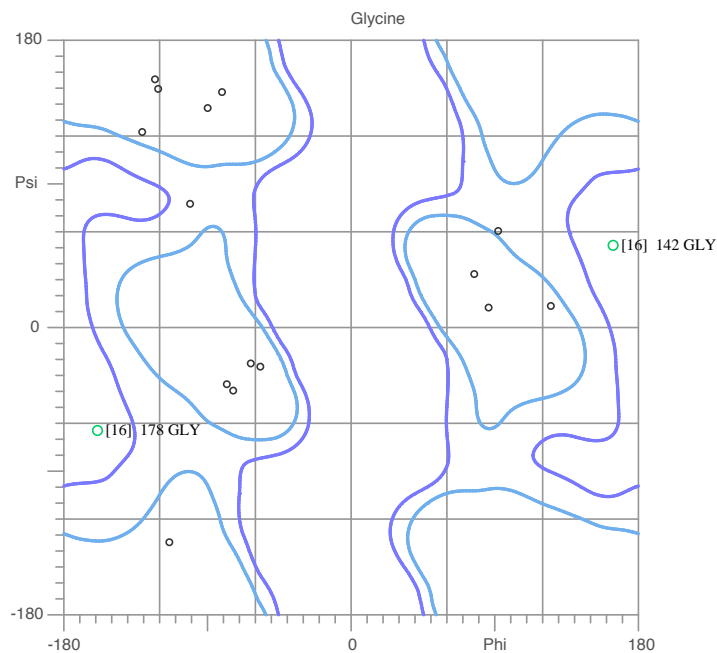
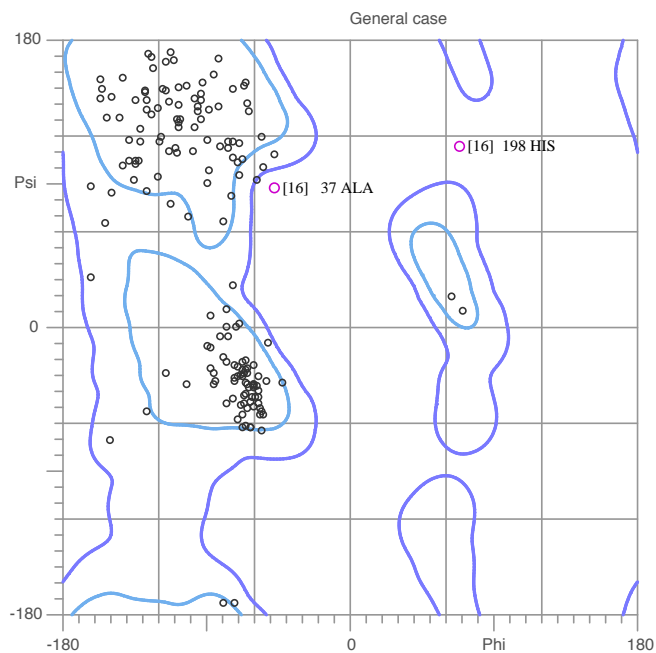
[15] 37 ALA (-30.8, 104.5)

[15] 102 PHE (-18.4, 104.9)

[15] 145 LYS (-163.5, -54.5)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 16



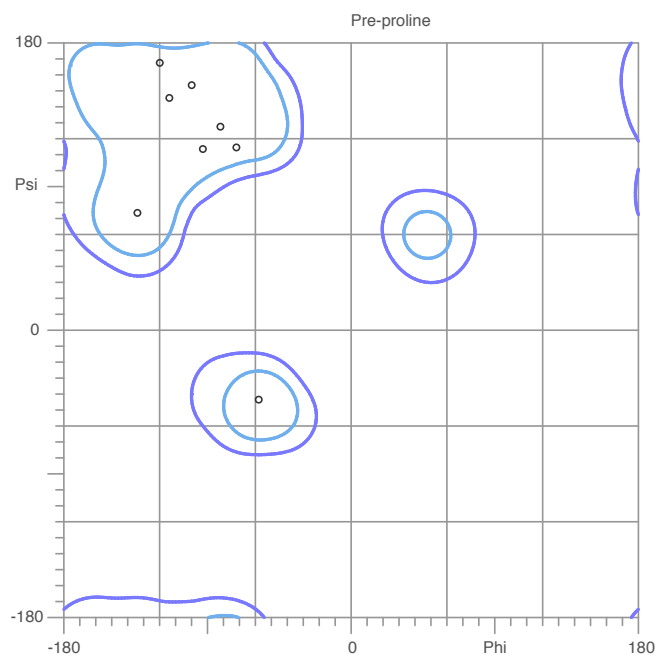
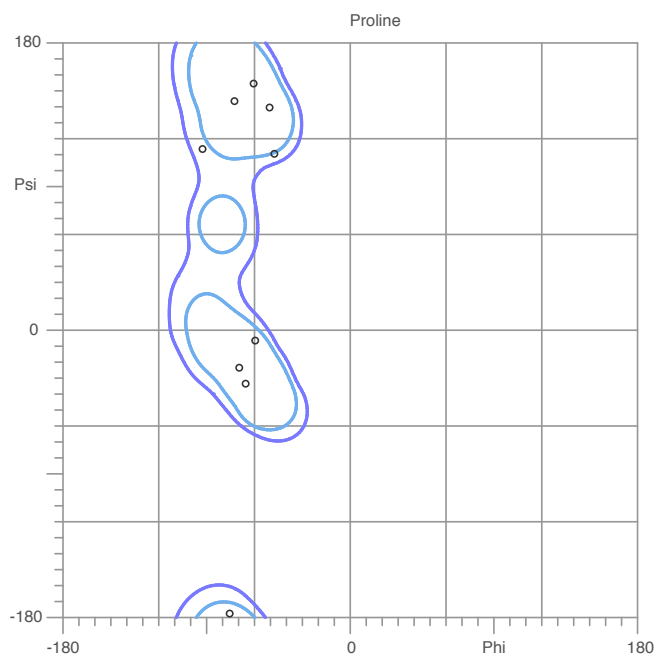
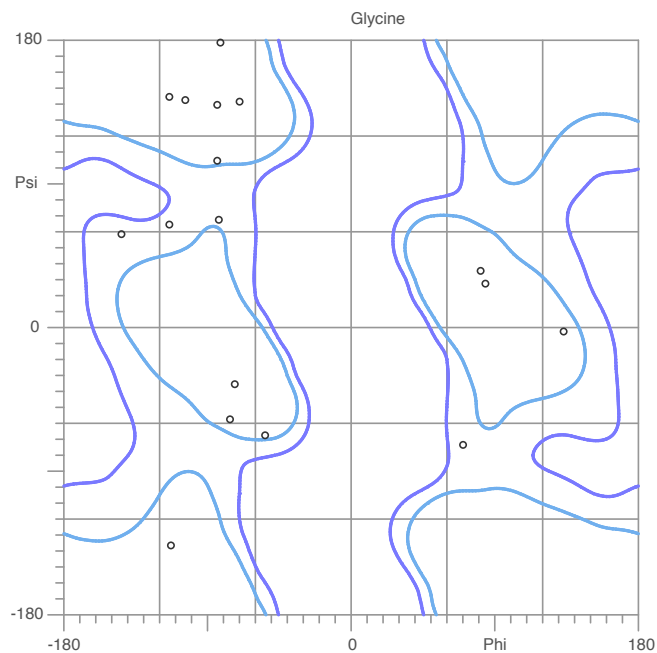
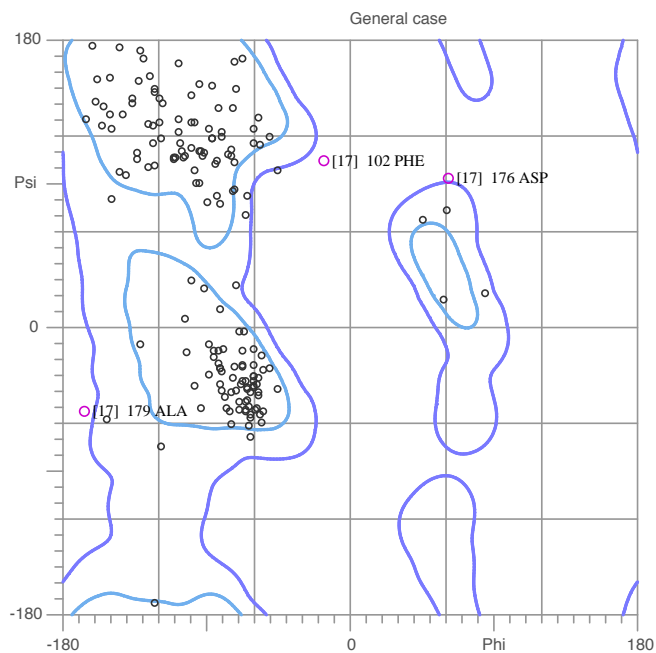
88.5% (177/200) of all residues were in favored (98%) regions.  
97.5% (195/200) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

[16] 37 ALA (-48.8, 88.7)  
[16] 142 GLY (164.9, 52.7)  
[16] 144 PRO (-71.8, -71.1)  
[16] 178 GLY (-159.5, -64.4)  
[16] 198 HIS (68.4, 114.7)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 17



90.0% (180/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

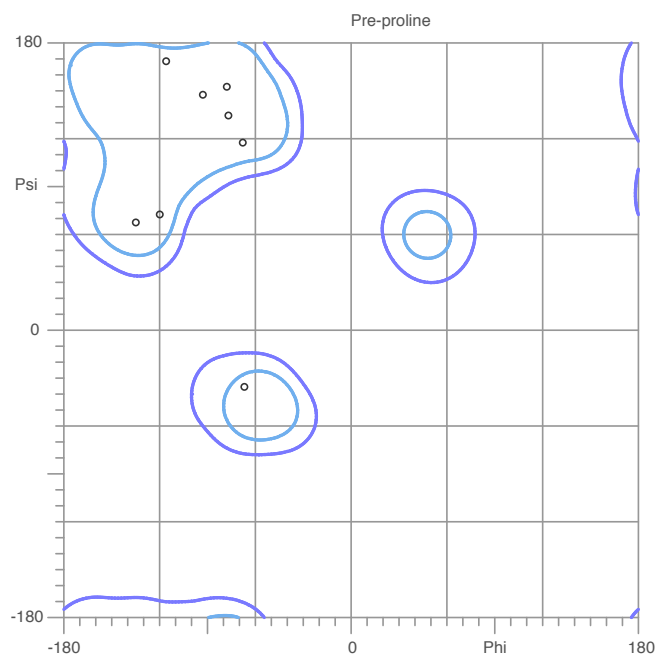
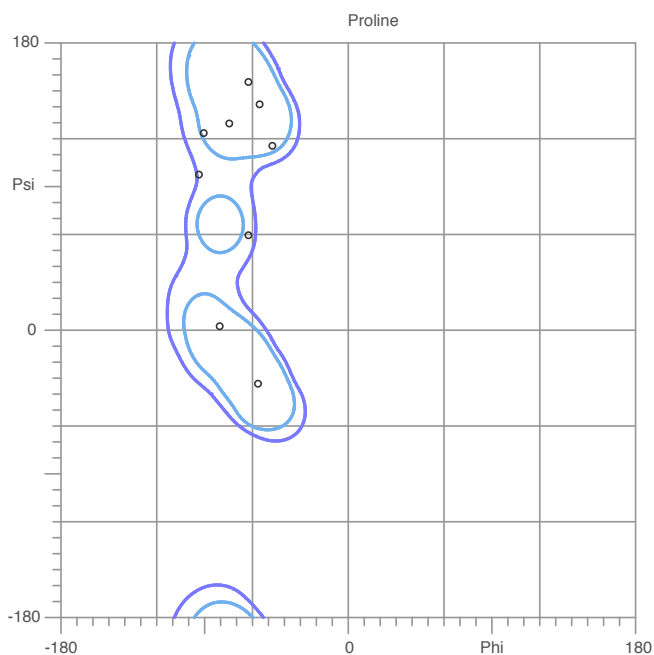
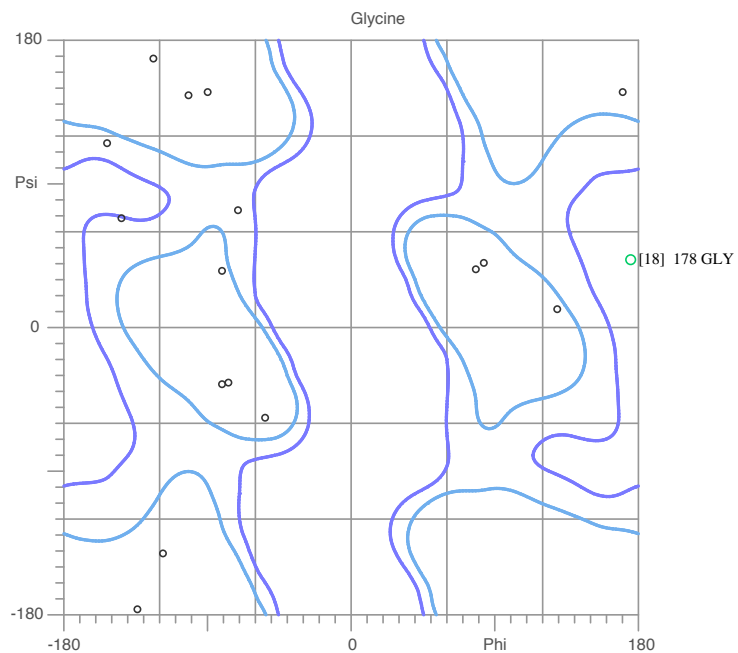
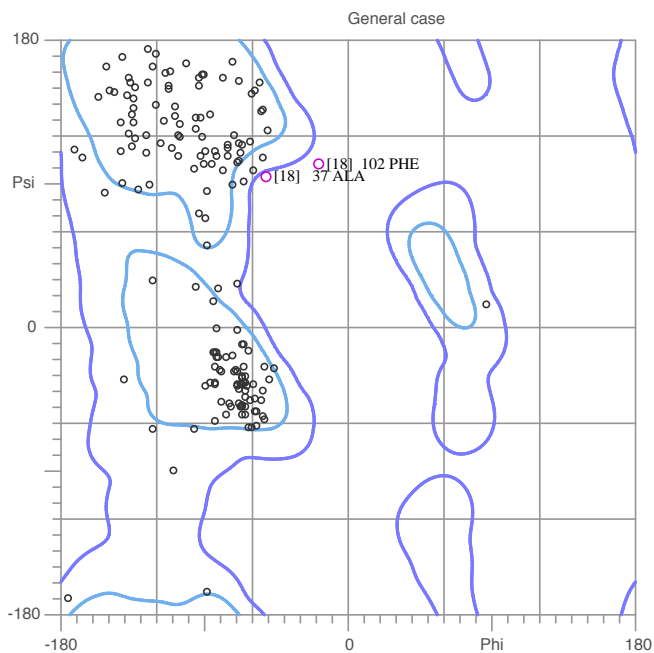
[17] 102 PHE (-17.9, 105.1)

[17] 176 ASP (61.3, 94.6)

[17] 179 ALA (-167.5, -52.5)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 18



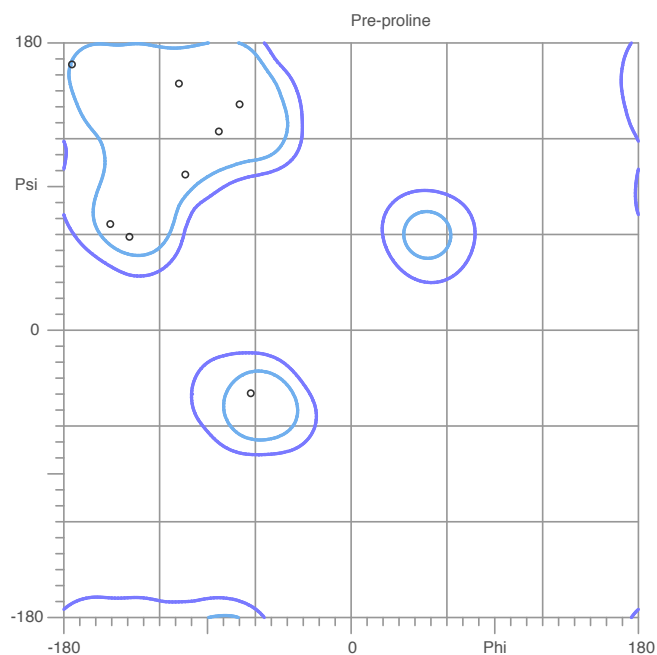
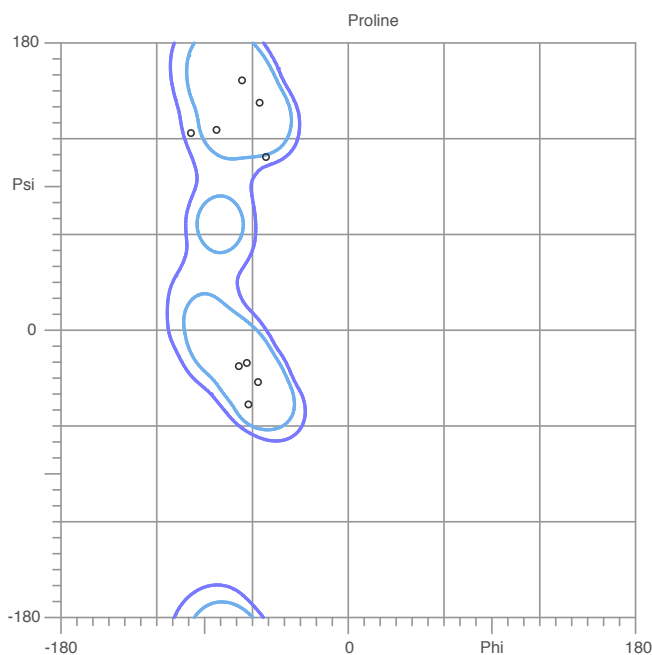
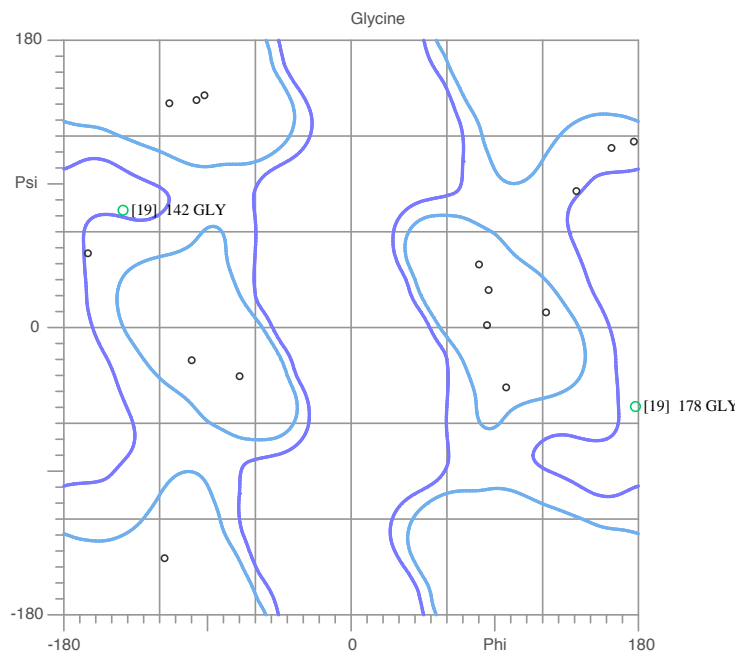
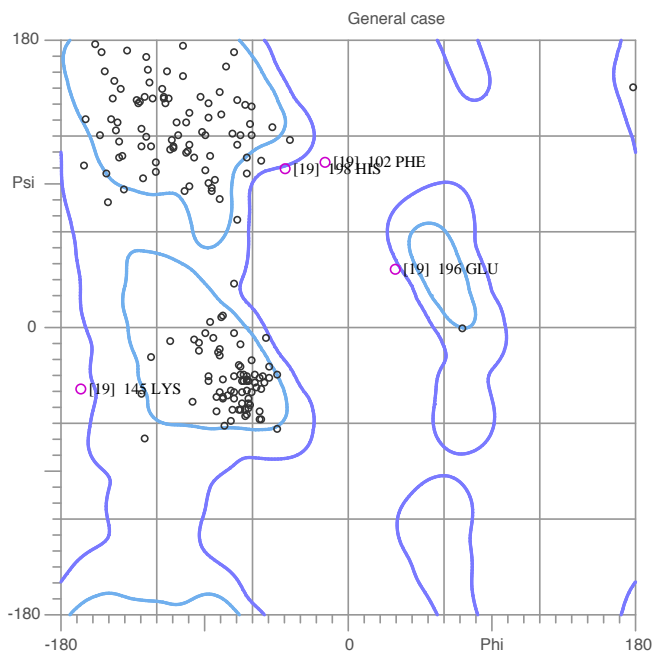
88.5% (177/200) of all residues were in favored (98%) regions.  
98.5% (197/200) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):

- [18] 37 ALA (-52.5, 95.5)
- [18] 102 PHE (-19.3, 103.4)
- [18] 178 GLY (175.2, 43.2)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 19



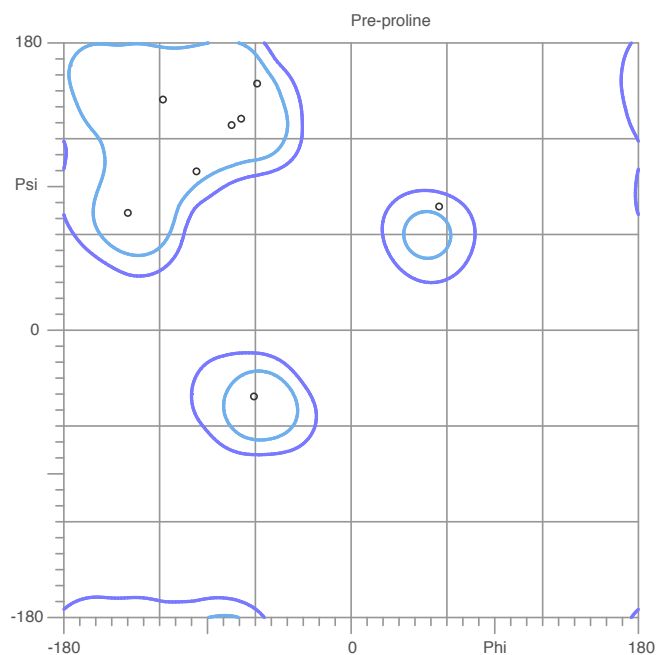
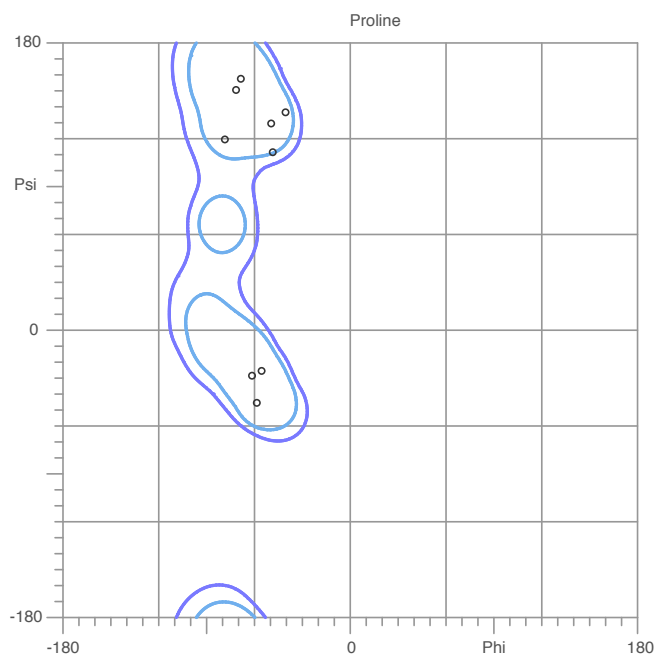
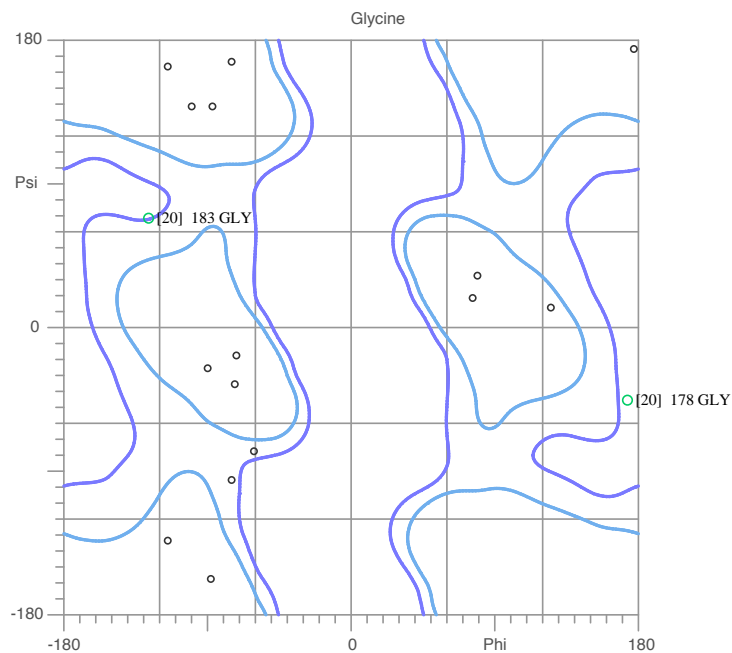
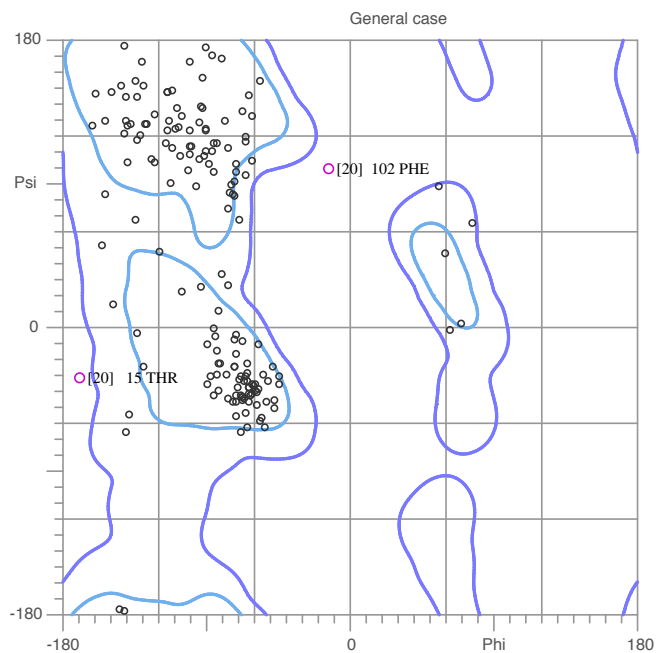
86.0% (172/200) of all residues were in favored (98%) regions.  
97.0% (194/200) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):  
[19] 102 PHE (-15.3, 104.7)

[19] 142 GLY (-143.9, 74.5)  
[19] 145 LYS (-168.2, -38.8)  
[19] 178 GLY (178.6, -49.8)  
[19] 196 GLU (29.3, 37.7)  
[19] 198 HIS (-40.0, 100.0)

# MolProbity Ramachandran analysis

SGR145\_NMR\_em\_bcr3.pdb, model 20



88.0% (176/200) of all residues were in favored (98%) regions.  
98.0% (196/200) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

[20] 15 THR (-170.0, -31.9)

[20] 102 PHE (-14.0, 100.5)

[20] 178 GLY (173.7, -45.4)

[20] 183 GLY (-127.4, 69.3)