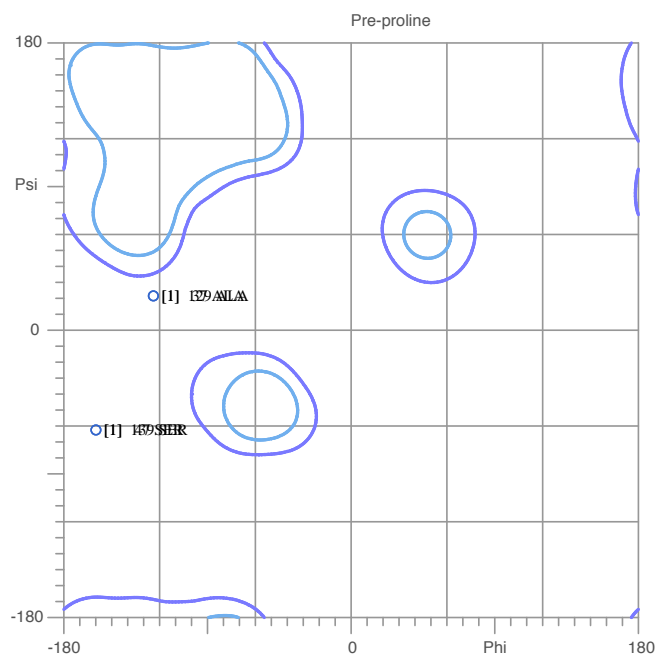
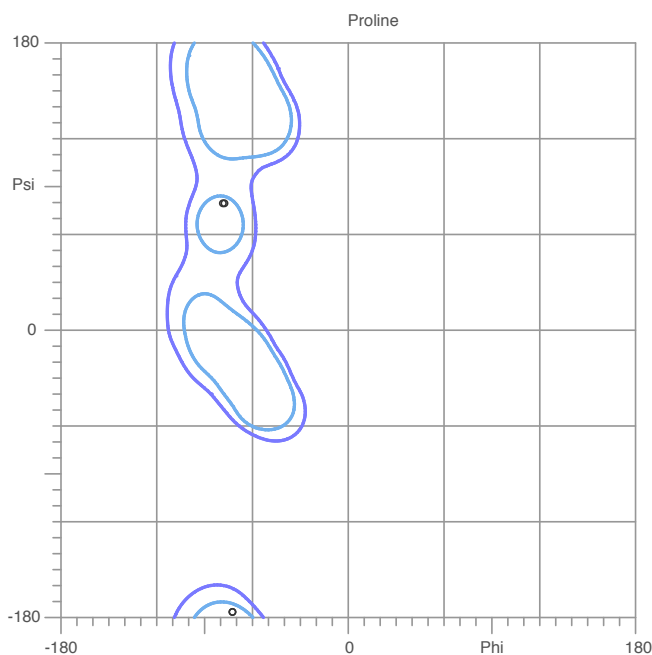
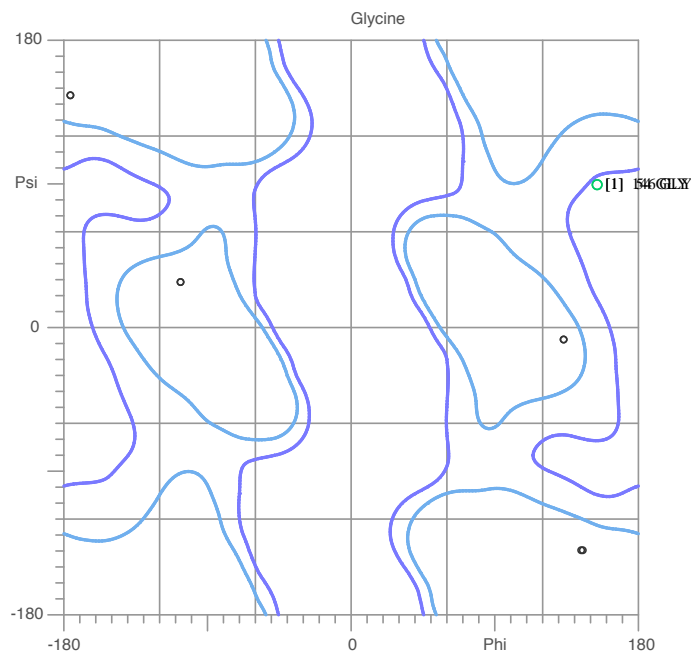
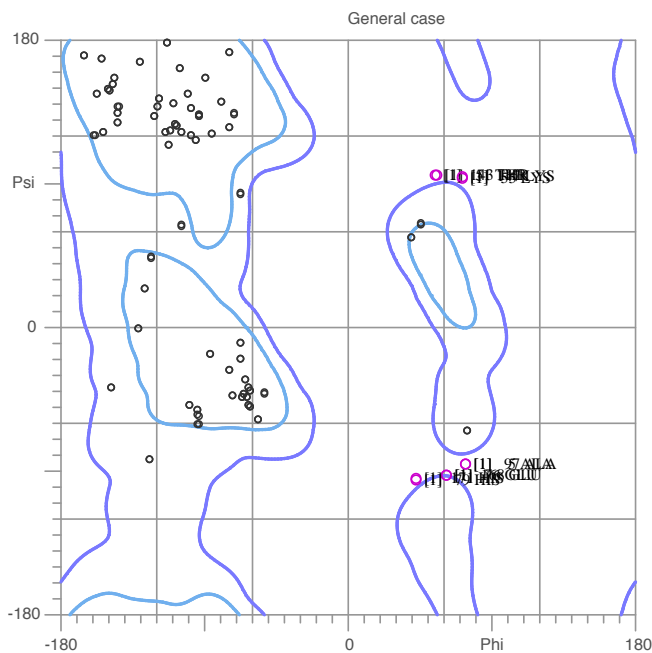


MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 1



82.5% (132/160) of all residues were in favored (98%) regions.
90.0% (144/160) of all residues were in allowed (>99.8%) regions.

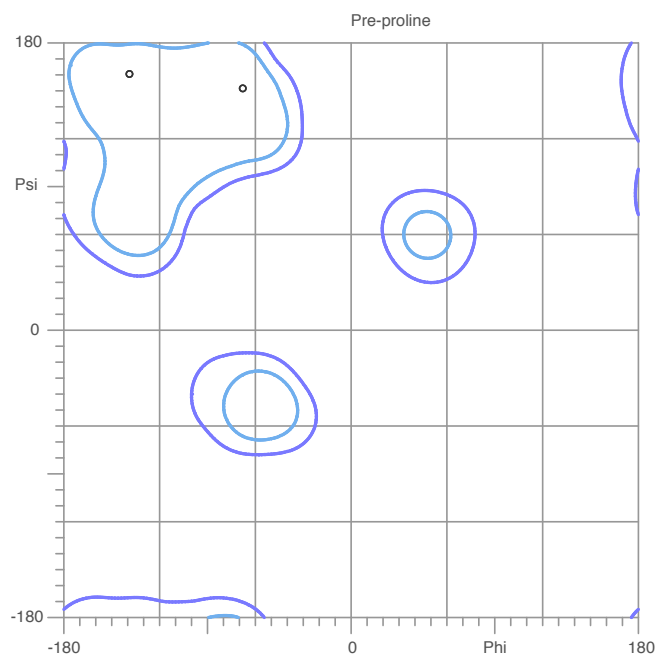
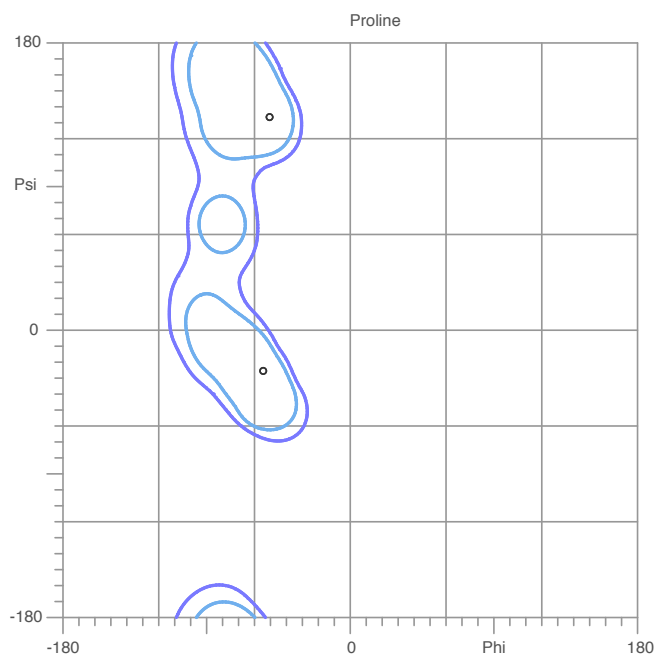
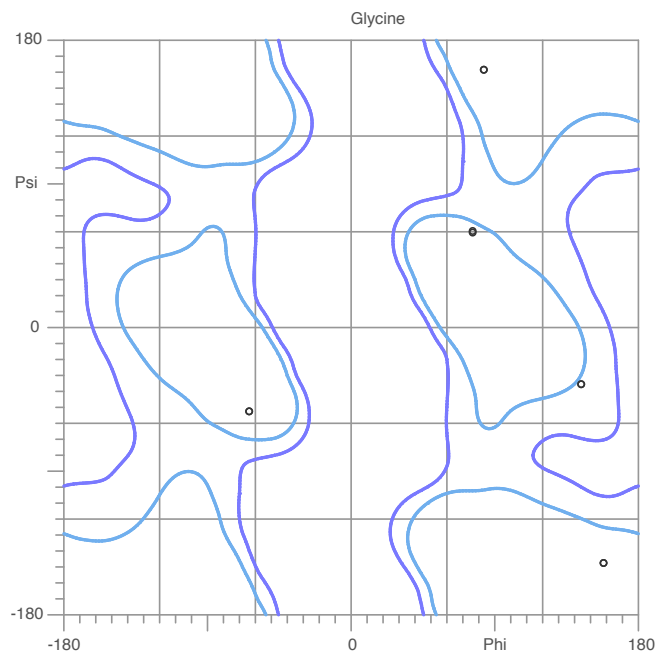
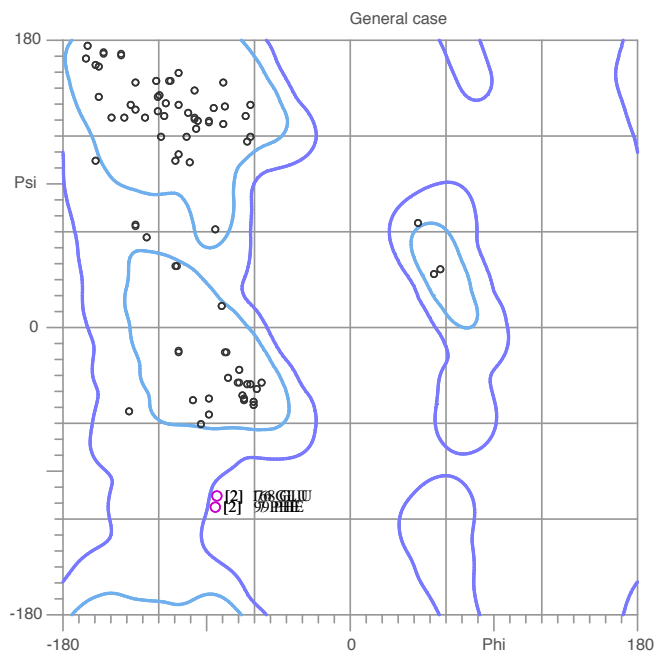
There were 16 outliers (phi, psi):

- [1] 5 ALA (73.8, -85.0)
- [1] 37 ALA (-124.8, 22.5)
- [1] 47 SER (-160.6, -62.8)
- [1] 51 THR (55.1, 96.8)
- [1] 54 GLY (155.0, 90.1)
- [1] 55 LYS (71.5, 95.0)

- [1] 76 GLU (61.6, -92.5)
- [1] 79 HIS (42.6, -95.0)
- [1] 97 ALA (73.8, -85.0)
- [1] 129 ALA (-124.8, 22.6)
- [1] 139 SER (-160.6, -62.8)
- [1] 143 THR (55.0, 96.8)
- [1] 146 GLY (155.0, 90.1)
- [1] 147 LYS (71.4, 95.0)
- [1] 168 GLU (61.6, -92.5)
- [1] 171 HIS (42.6, -95.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 2



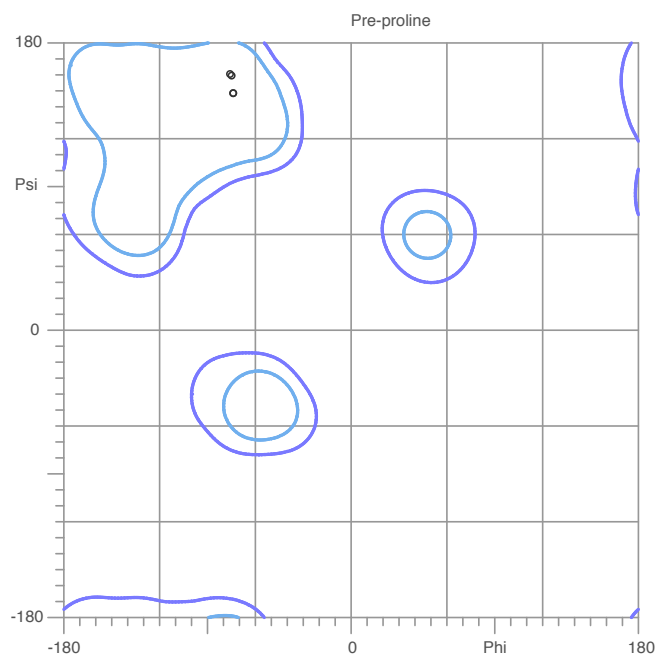
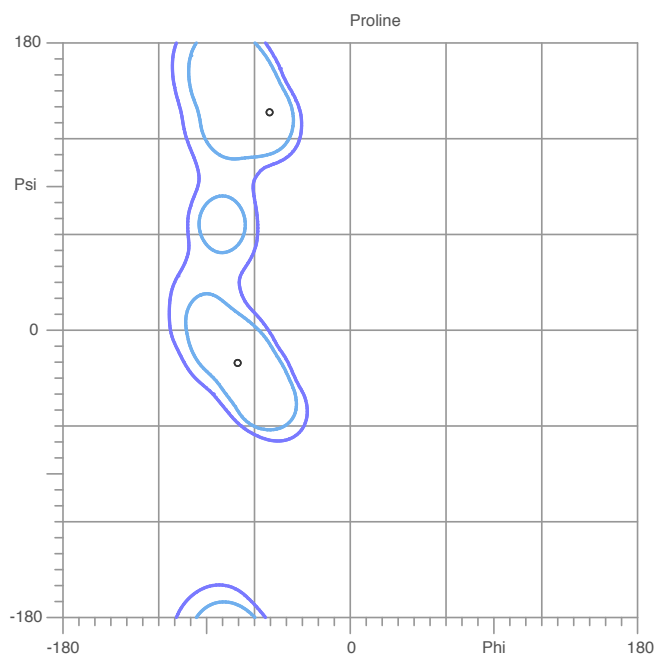
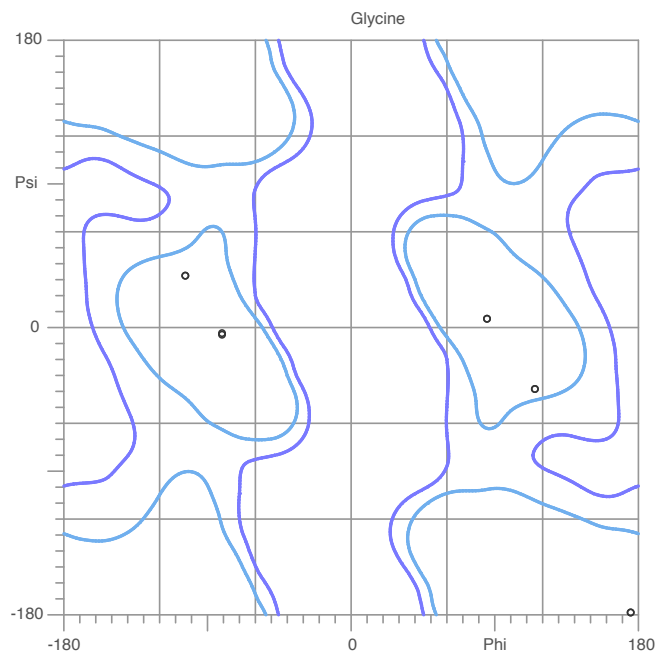
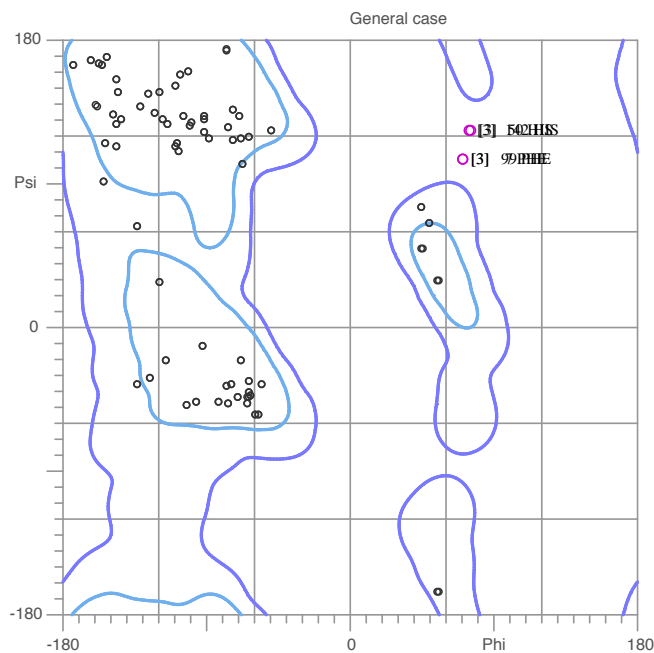
90.0% (144/160) of all residues were in favored (98%) regions.
97.5% (156/160) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [2] 7 PHE (-85.0, -112.3)
- [2] 76 GLU (-84.8, -105.4)
- [2] 99 PHE (-85.1, -112.3)
- [2] 168 GLU (-84.8, -105.3)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 3



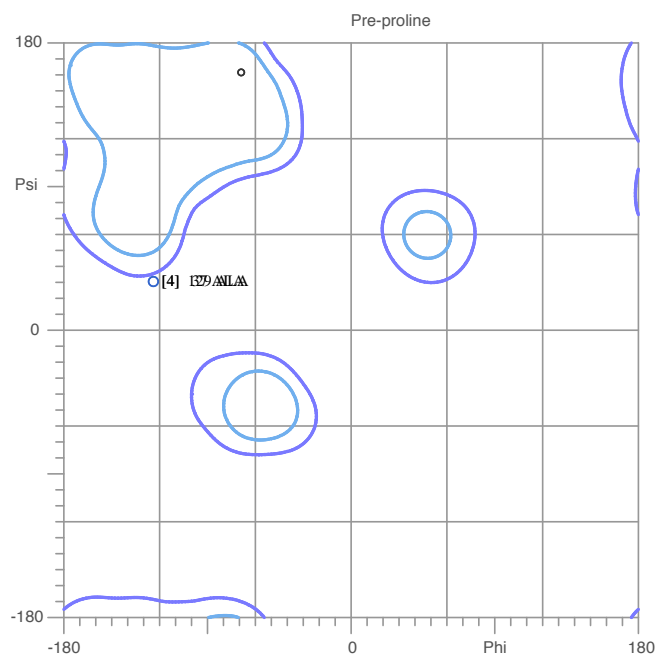
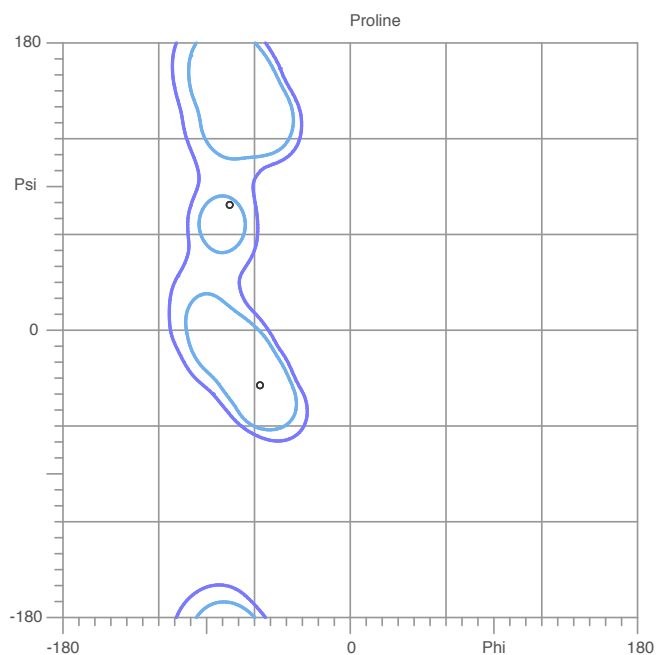
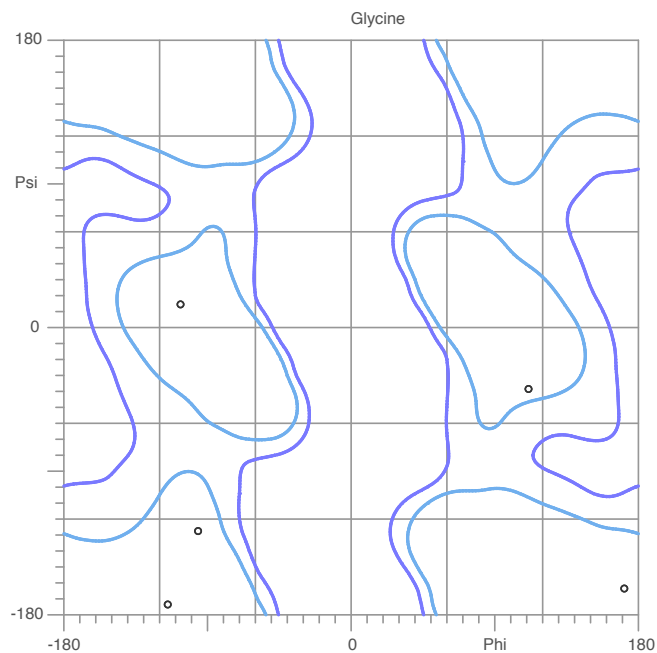
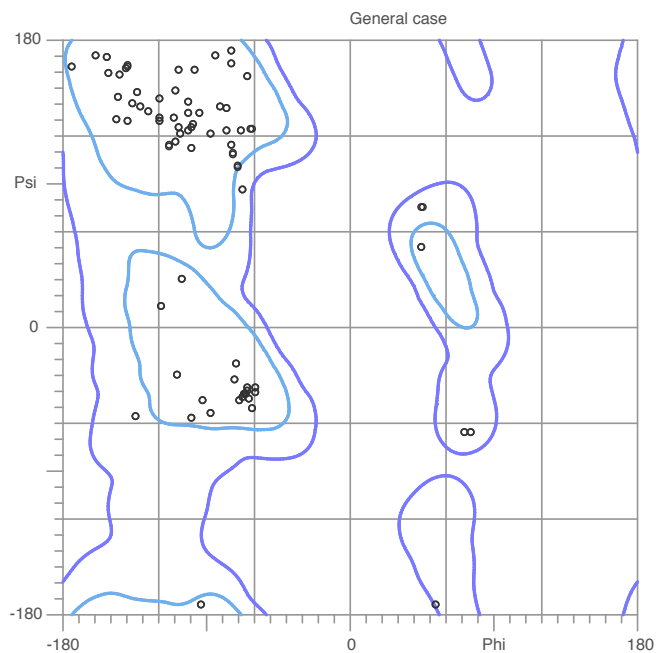
90.0% (144/160) of all residues were in favored (98%) regions.
97.5% (156/160) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [3] 7 PHE (70.4, 106.7)
- [3] 50 HIS (75.0, 125.0)
- [3] 99 PHE (70.3, 106.7)
- [3] 142 HIS (75.0, 125.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 4



91.2% (146/160) of all residues were in favored (98%) regions.
98.8% (158/160) of all residues were in allowed (>99.8%) regions.

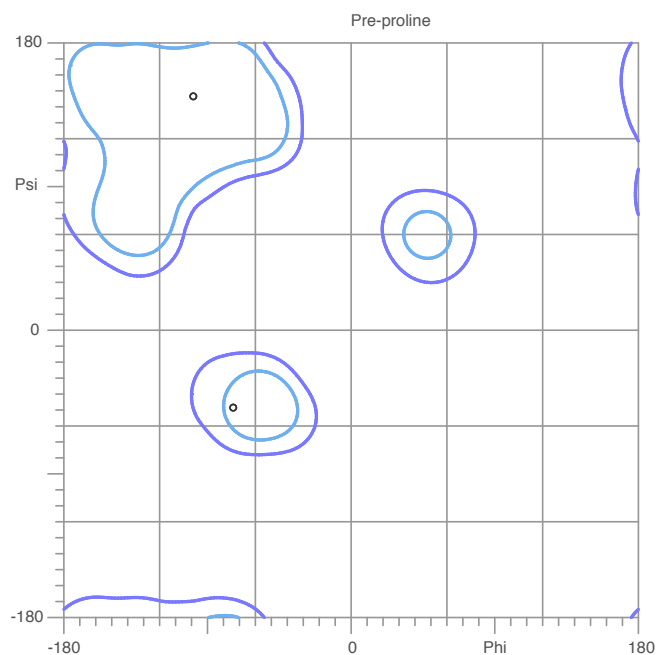
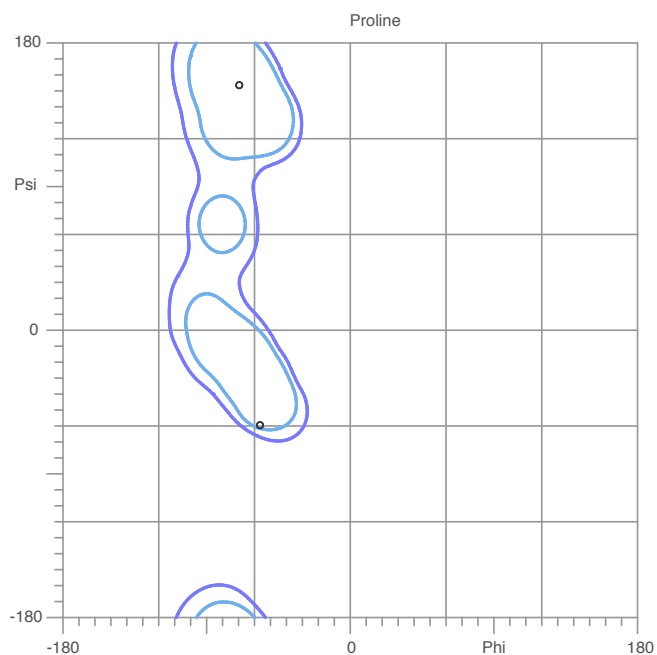
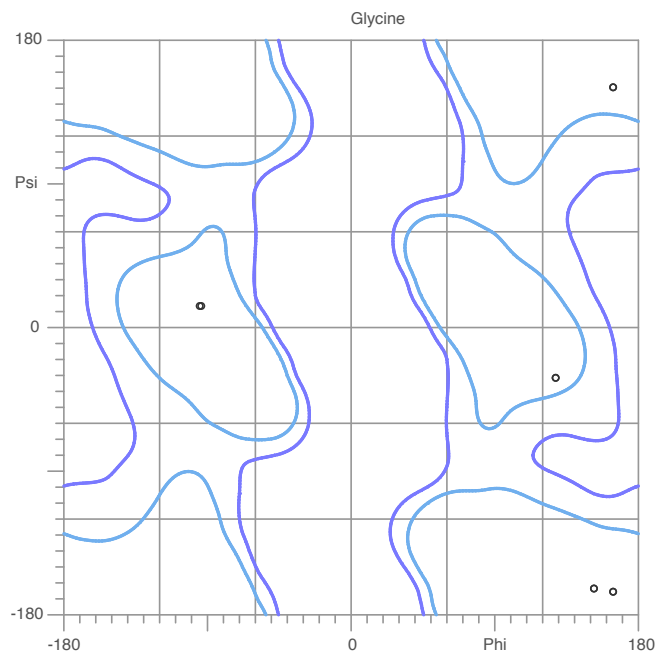
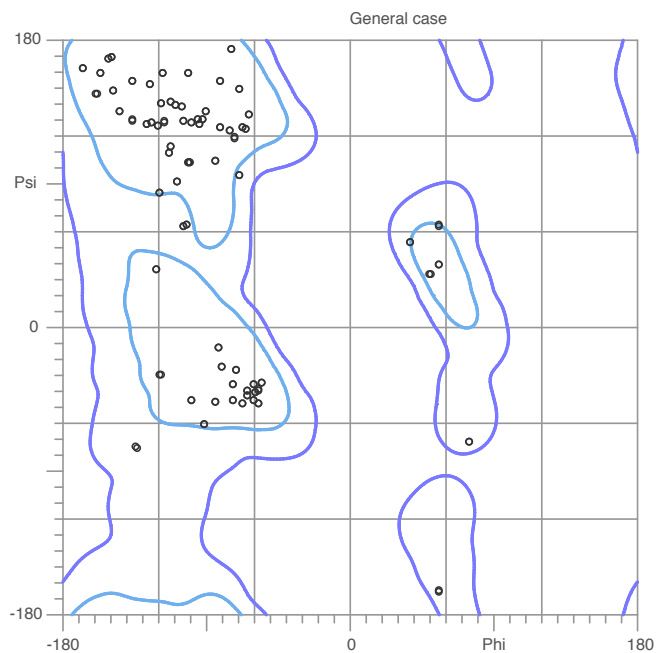
There were 2 outliers (phi, psi):

[4] 37 ALA (-124.9, 31.5)

[4] 129 ALA (-125.0, 31.5)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 5



90.0% (144/160) of all residues were in favored (98%) regions.
100.0% (160/160) of all residues were in allowed (>99.8%) regions.

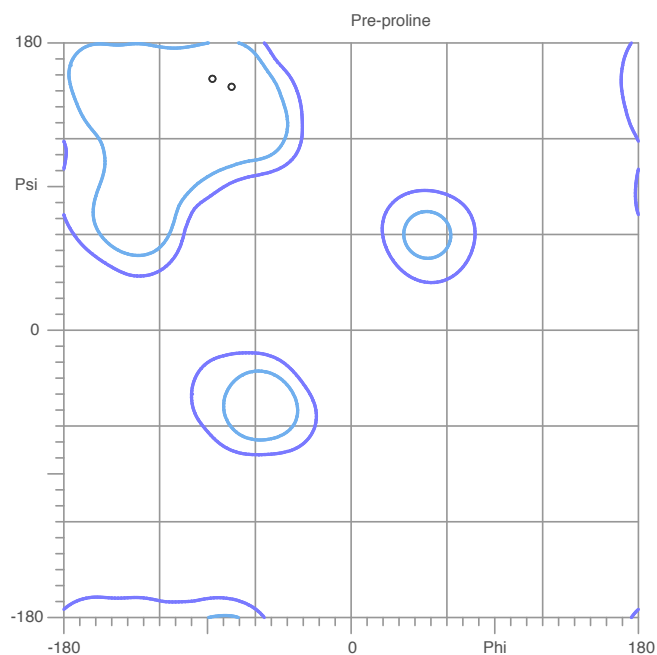
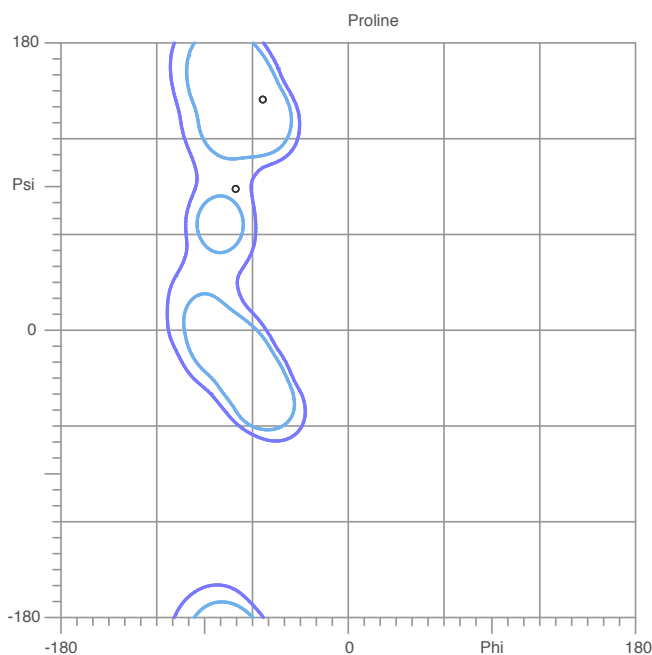
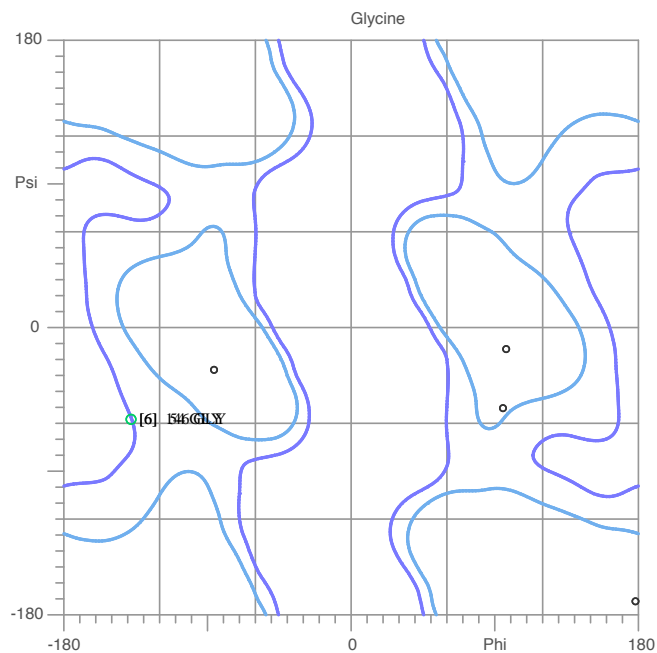
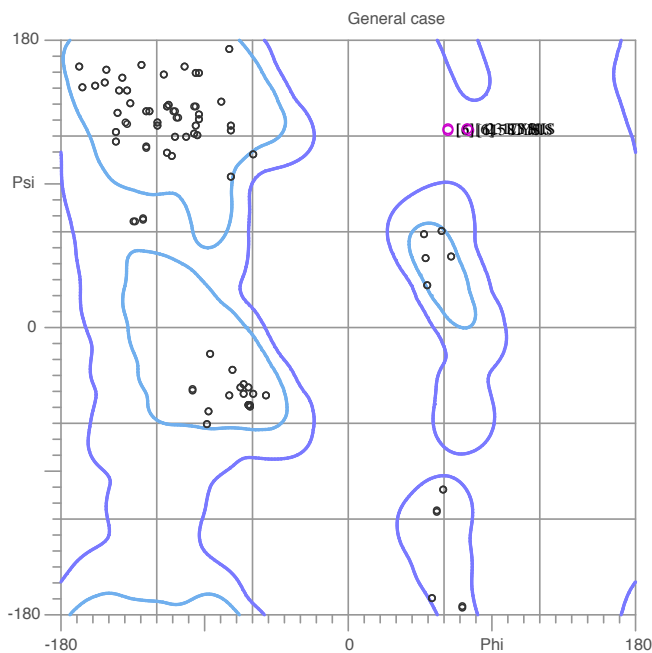
There were no outliers.

<http://kinemage.biochem.duke.edu>

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

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 6



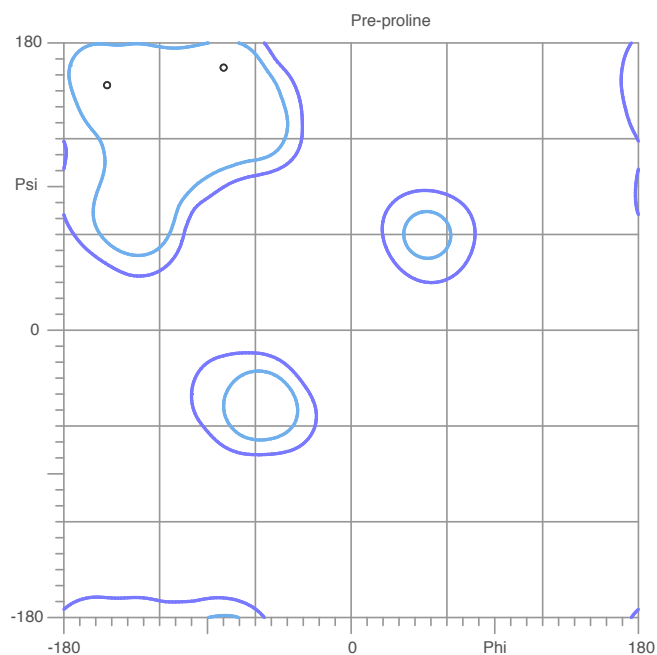
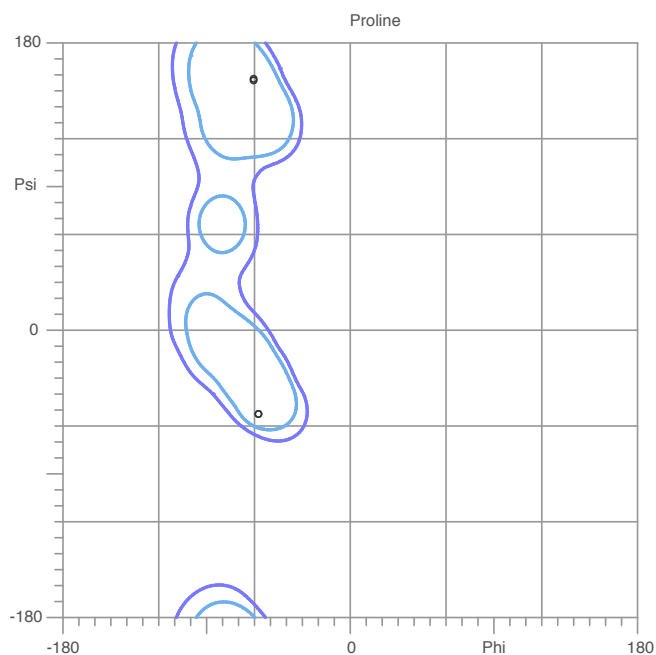
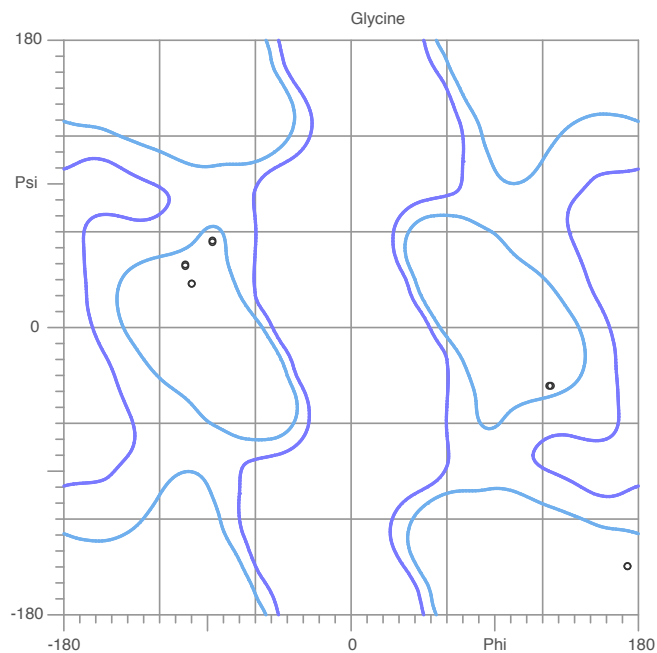
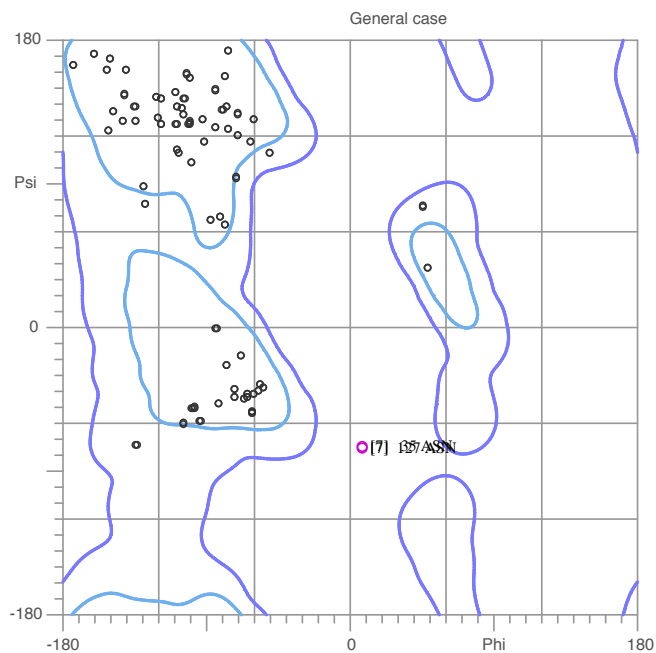
86.2% (138/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[6] 23 LYS (62.9, 125.0)

[6] 54 GLY (-138.4, -57.1)
[6] 81 HIS (75.1, 125.0)
[6] 115 LYS (62.9, 125.0)
[6] 146 GLY (-138.4, -57.1)
[6] 173 HIS (75.0, 125.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 7



93.8% (150/160) of all residues were in favored (98%) regions.
98.8% (158/160) of all residues were in allowed (>99.8%) regions.

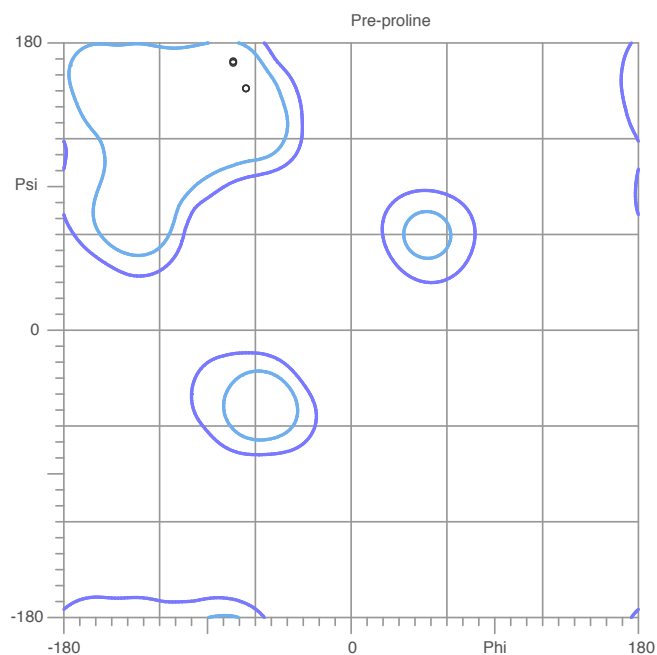
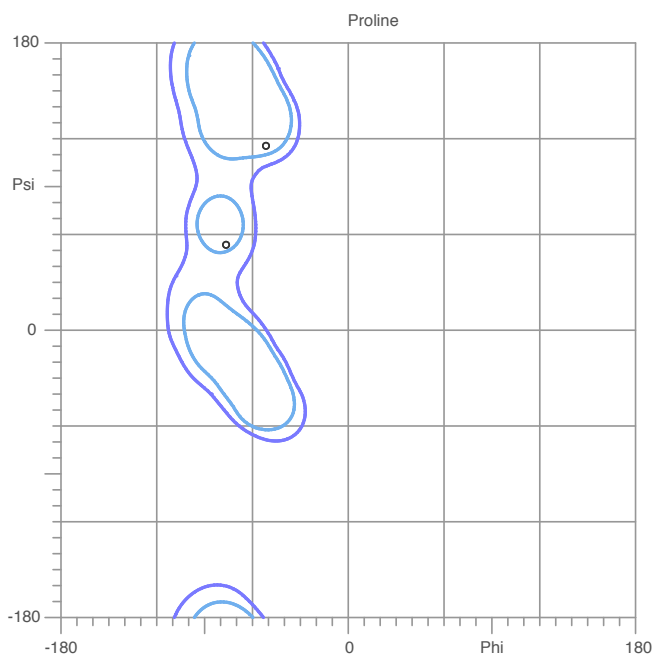
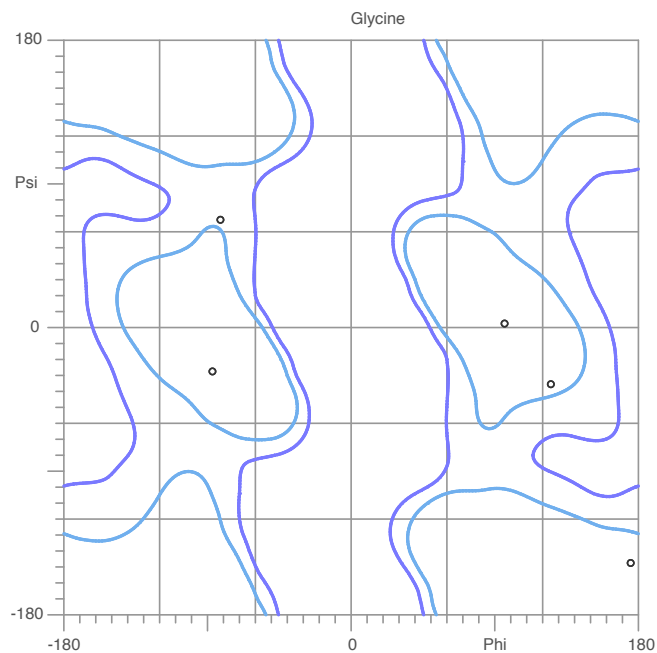
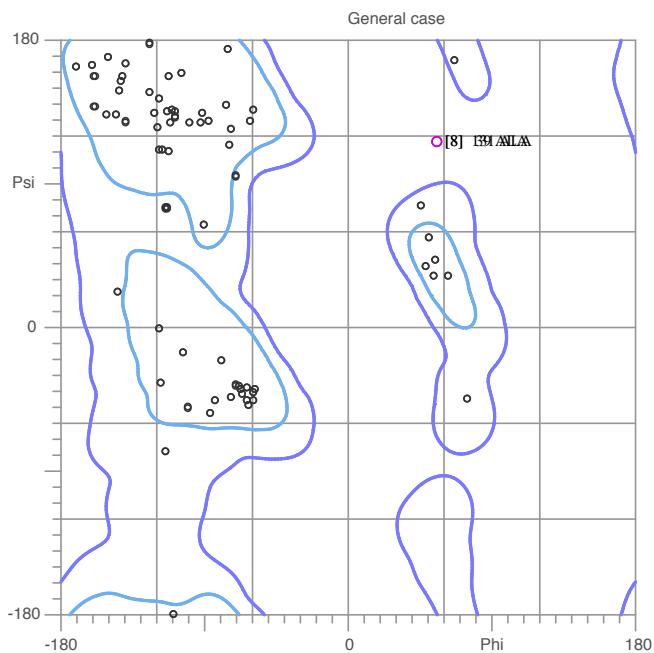
There were 2 outliers (phi, psi):

[7] 35 ASN (7.6, -75.0)

[7] 127 ASN (7.7, -75.1)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 8



87.5% (140/160) of all residues were in favored (98%) regions.
98.8% (158/160) of all residues were in allowed (>99.8%) regions.

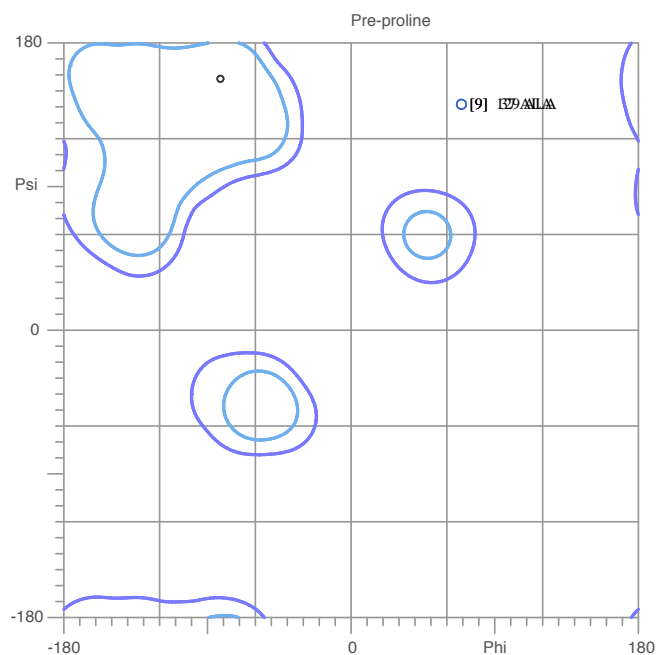
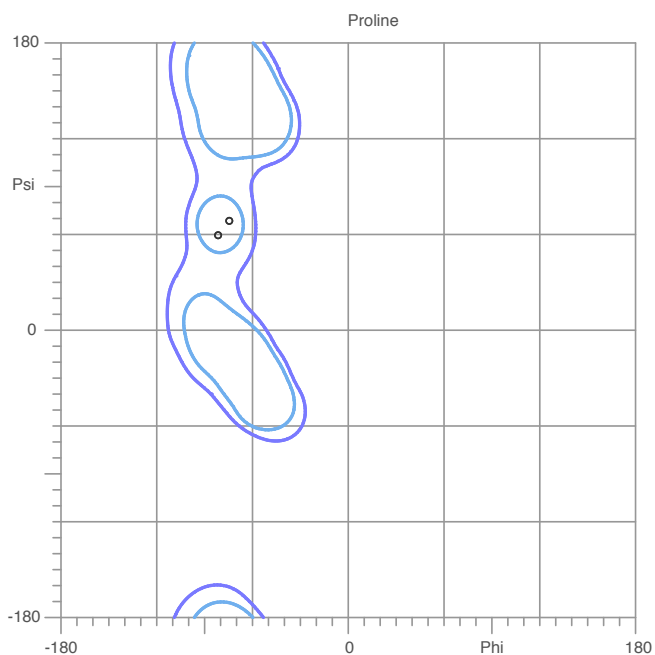
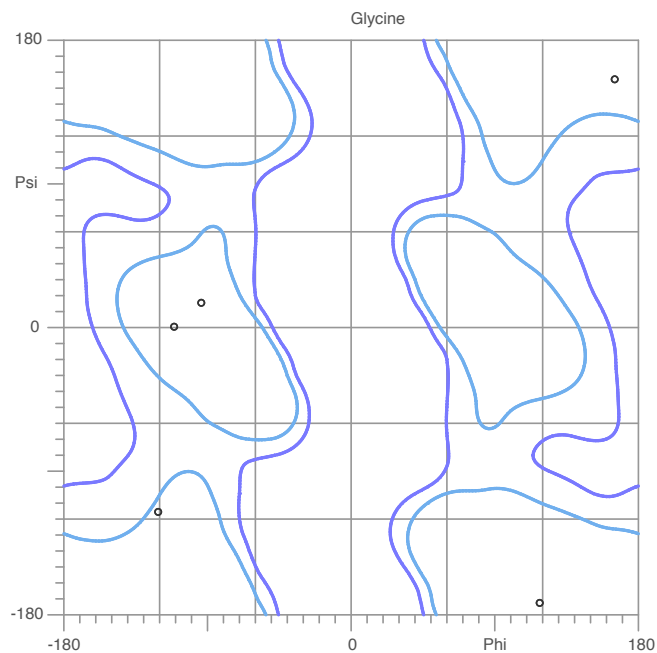
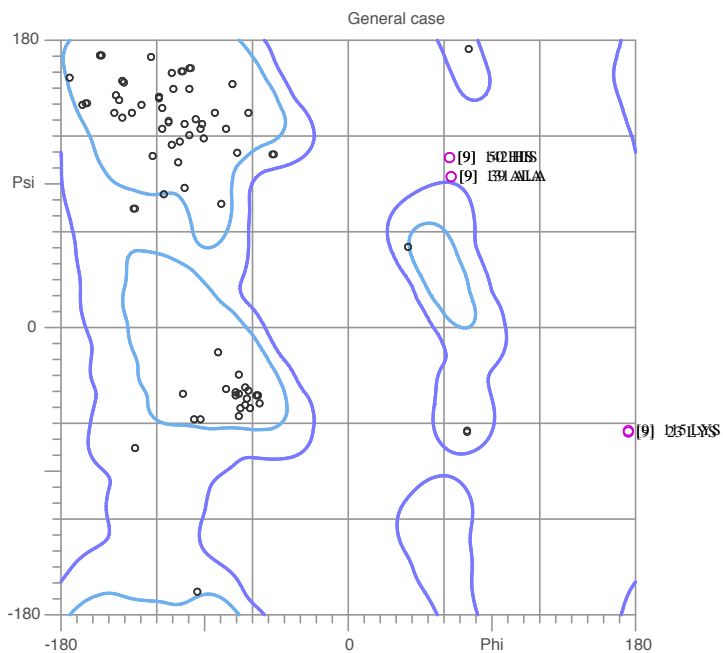
There were 2 outliers (phi, psi):

[8] 39 ALA (55.0, 117.1)

[8] 131 ALA (55.0, 117.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 9



86.2% (138/160) of all residues were in favored (98%) regions.
95.0% (152/160) of all residues were in allowed (>99.8%) regions.

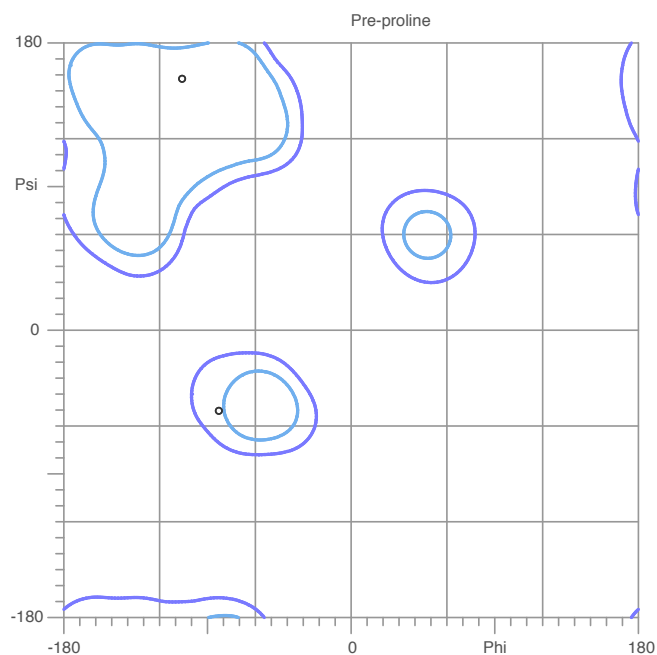
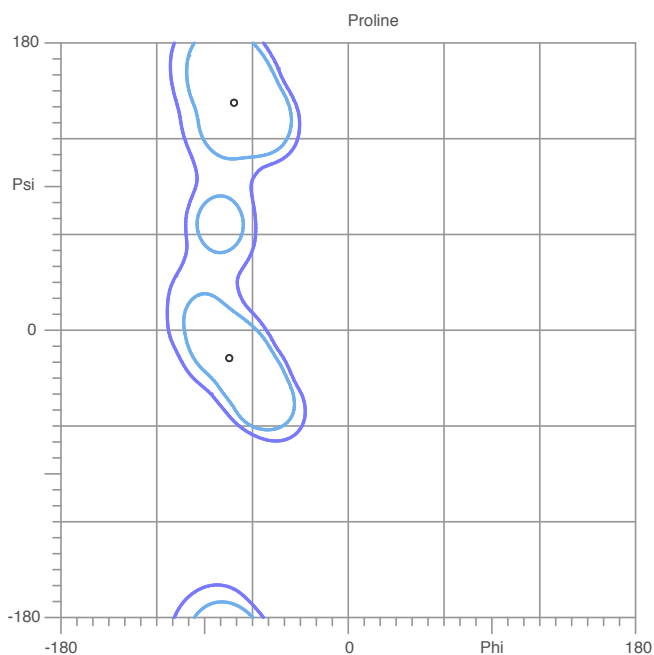
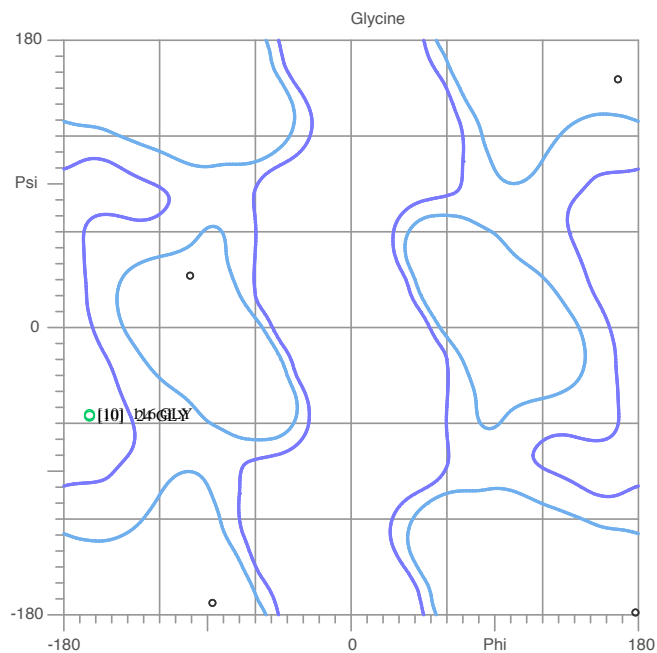
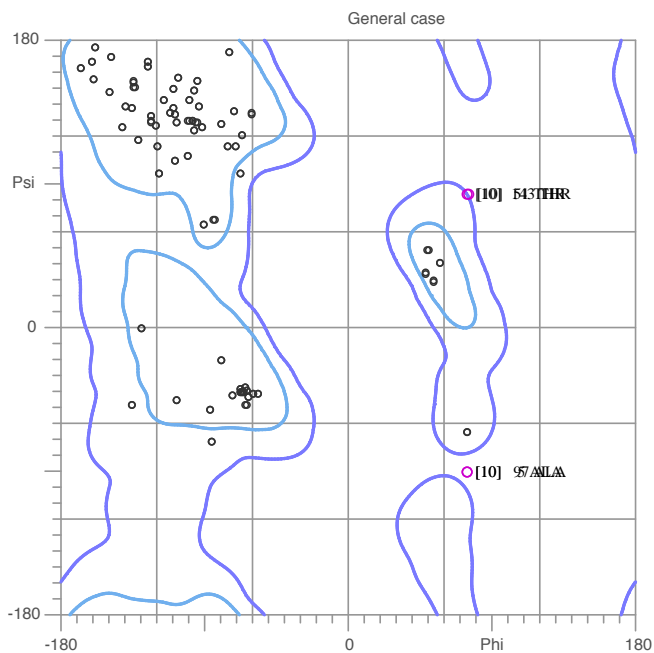
There were 8 outliers (phi, psi):

[9] 23 LYS (175.0, -65.0)
[9] 37 ALA (69.5, 142.0)

[9] 39 ALA (64.9, 95.1)
[9] 50 HIS (63.7, 107.1)
[9] 115 LYS (175.0, -65.0)
[9] 129 ALA (69.5, 142.0)
[9] 131 ALA (64.9, 95.2)
[9] 142 HIS (63.7, 107.1)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 10



90.0% (144/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):

[10] 5 ALA (74.9, -90.4)

[10] 24 GLY (-165.0, -55.1)

[10] 51 THR (75.0, 84.9)

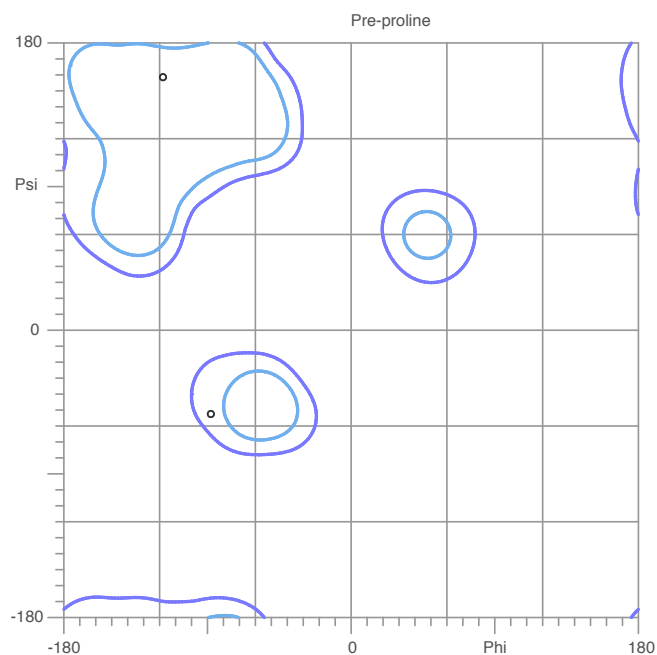
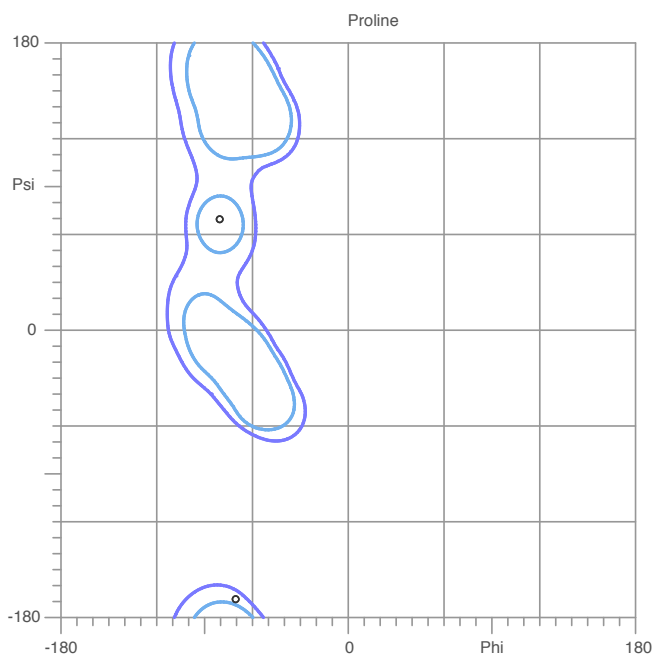
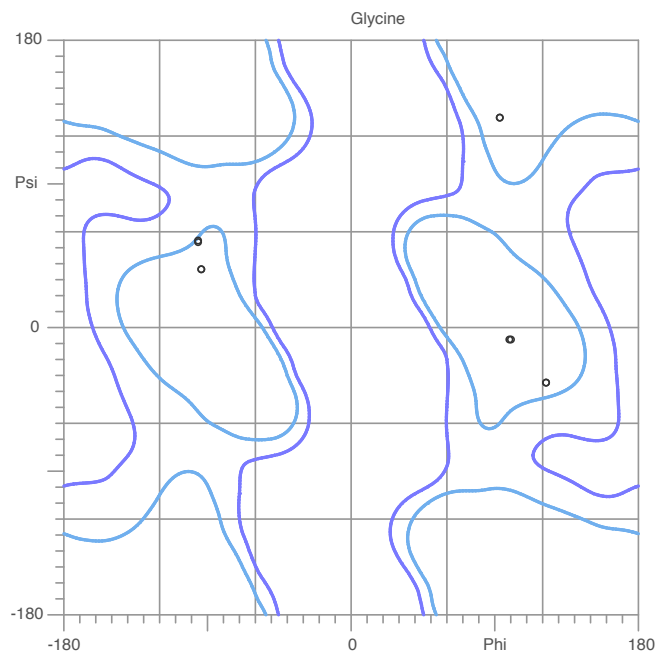
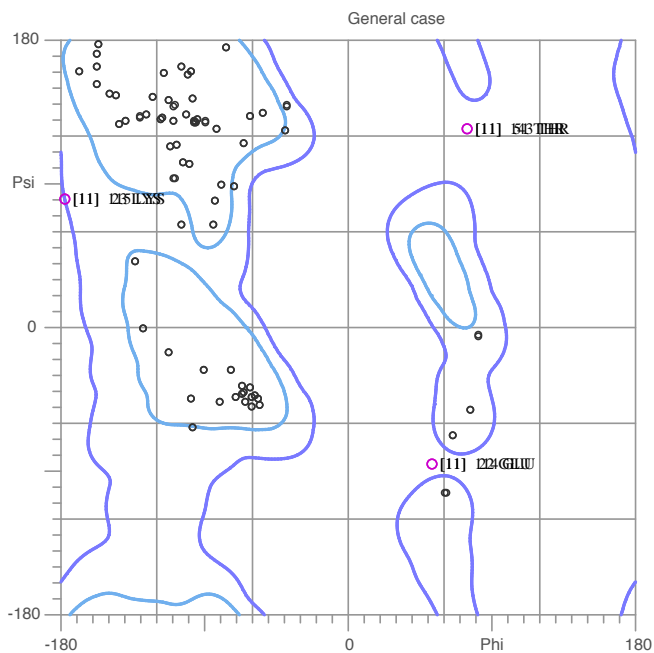
[10] 97 ALA (75.0, -90.4)

[10] 116 GLY (-165.0, -55.0)

[10] 143 THR (75.0, 84.9)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 11



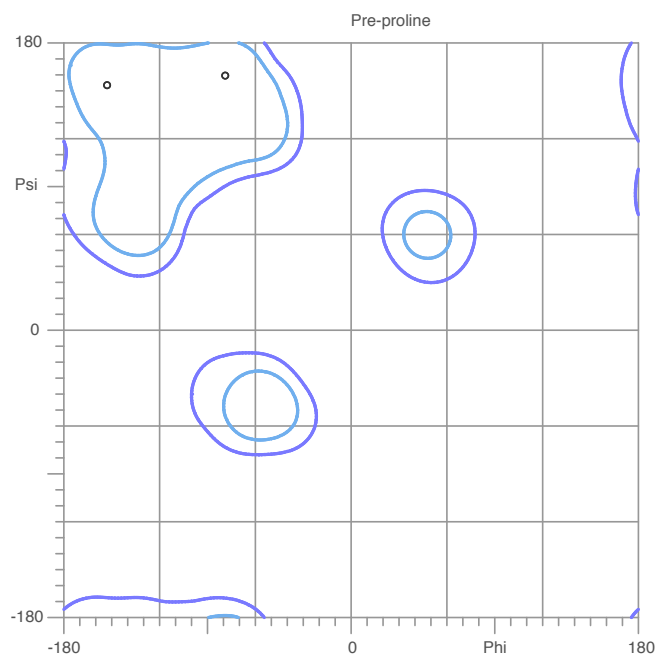
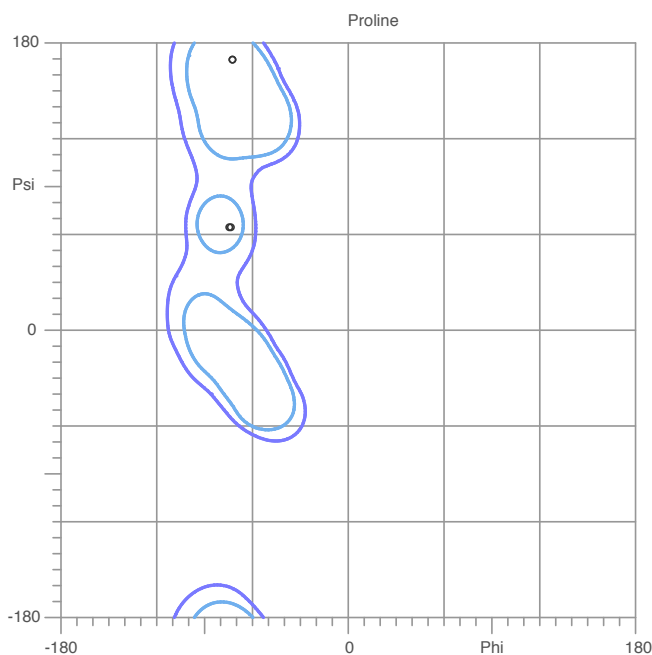
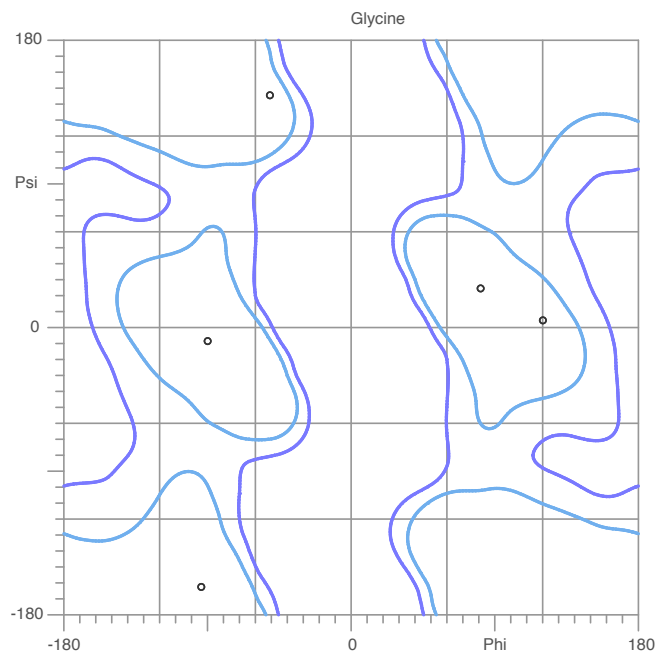
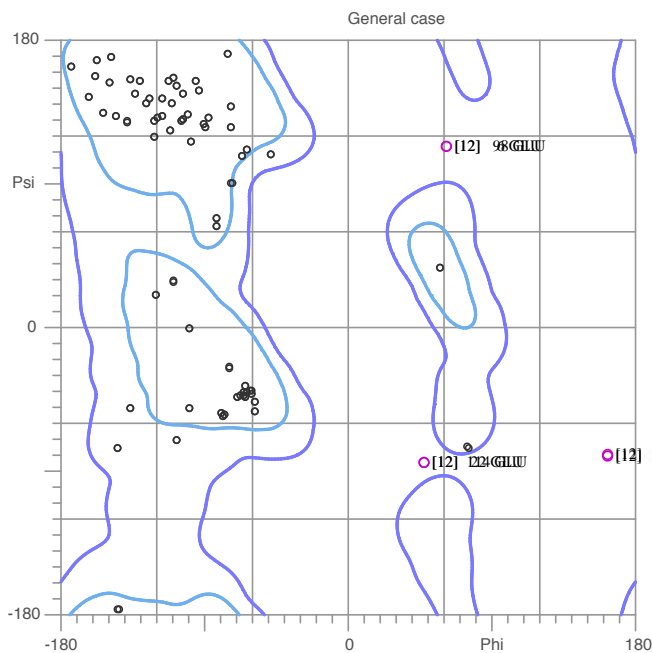
83.1% (133/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[11] 22 GLU (52.3, -85.1)

[11] 23 LYS (-178.5, 81.9)
[11] 51 THR (75.0, 125.0)
[11] 114 GLU (52.3, -85.1)
[11] 115 LYS (-178.4, 81.8)
[11] 143 THR (75.0, 125.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 12



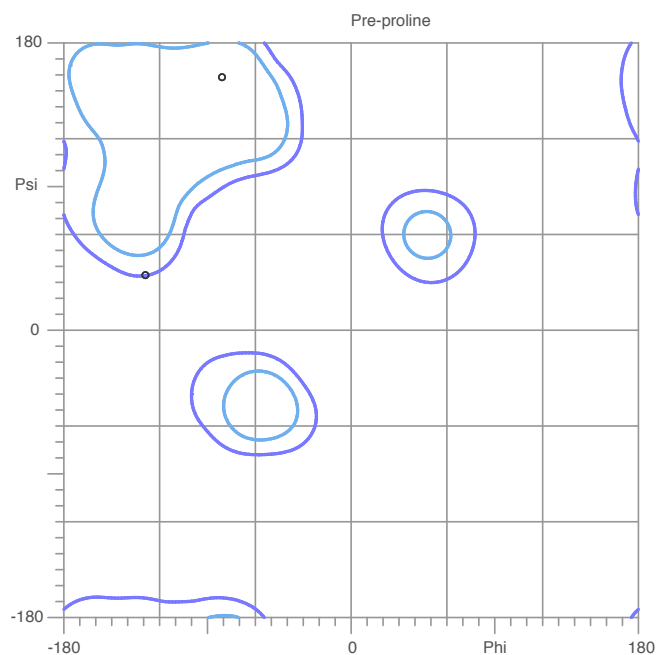
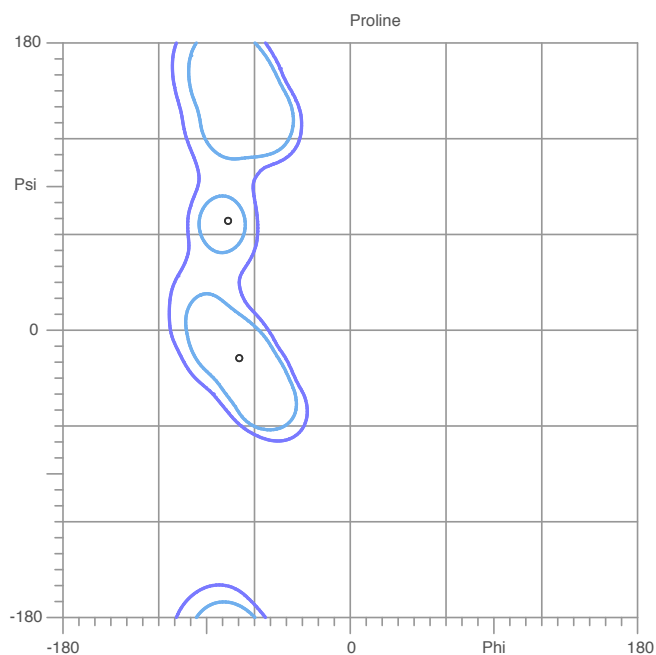
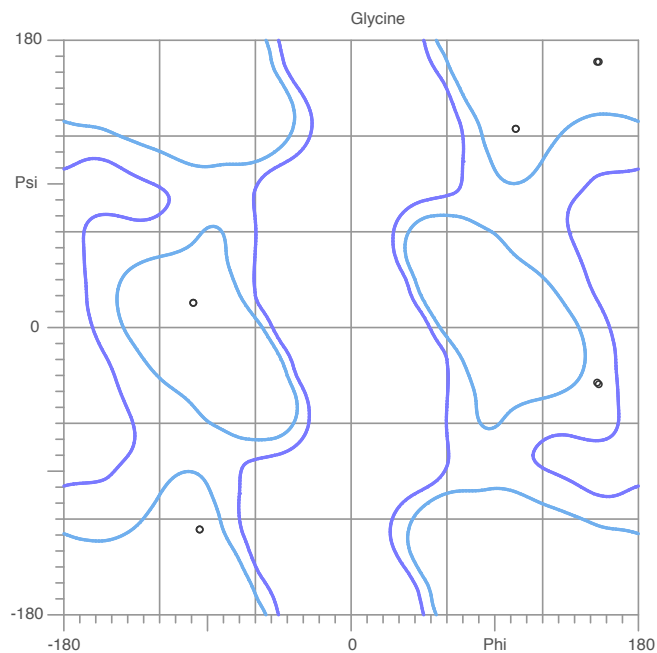
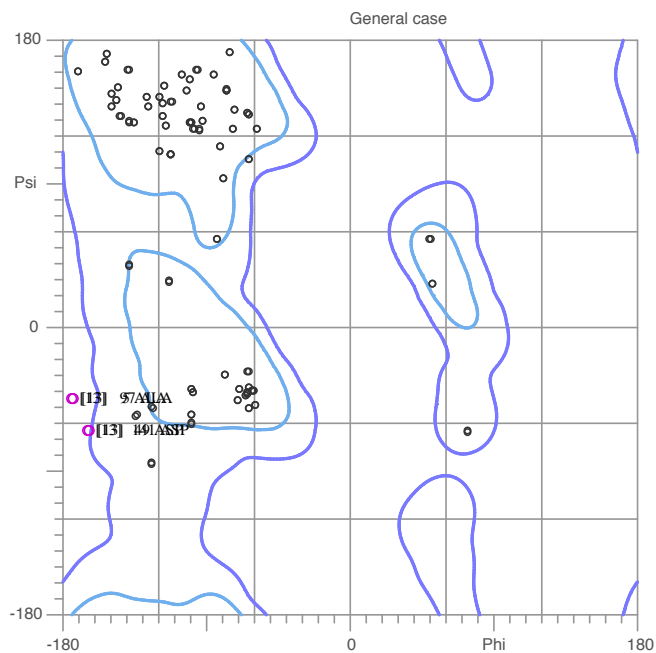
90.0% (144/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[12] 6 GLU (61.7, 114.0)

[12] 22 GLU (47.8, -85.0)
[12] 80 HIS (162.4, -80.0)
[12] 98 GLU (61.7, 114.1)
[12] 114 GLU (47.8, -85.0)
[12] 172 HIS (162.5, -80.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 13



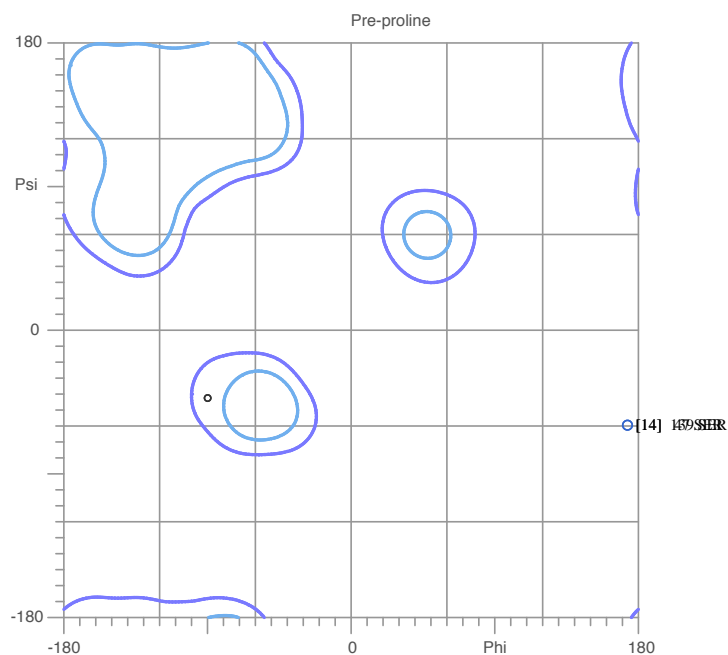
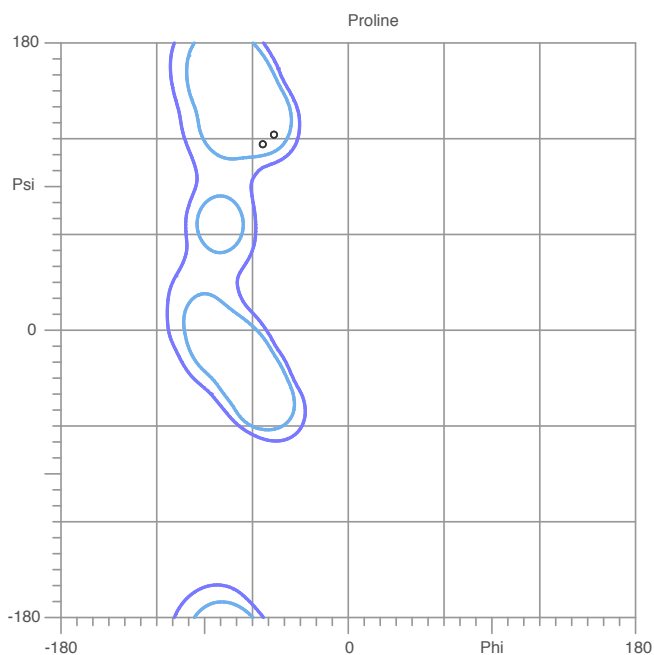
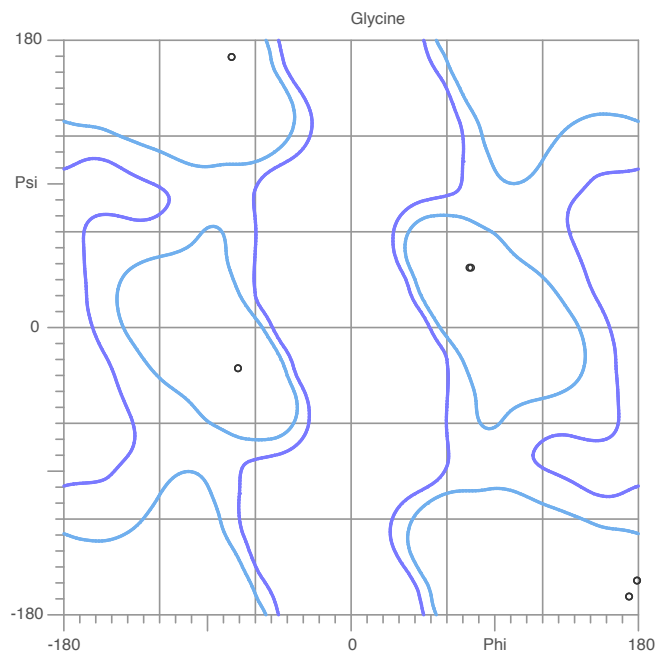
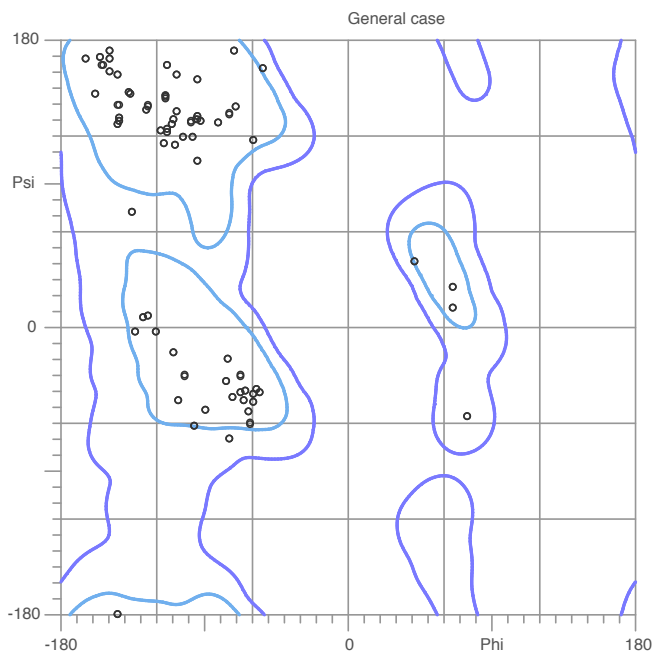
88.8% (142/160) of all residues were in favored (98%) regions.
97.5% (156/160) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [13] 5 ALA (-175.0, -45.0)
- [13] 49 ASP (-165.0, -64.9)
- [13] 97 ALA (-175.0, -45.0)
- [13] 141 ASP (-165.0, -65.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 14

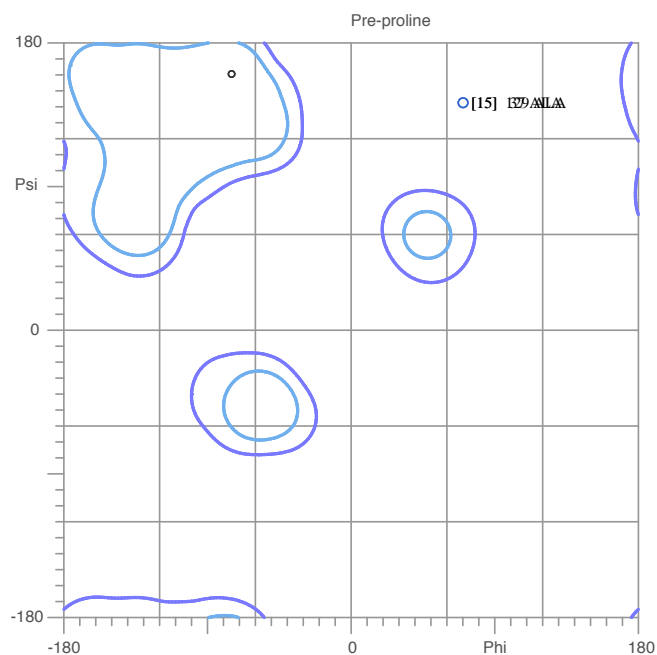
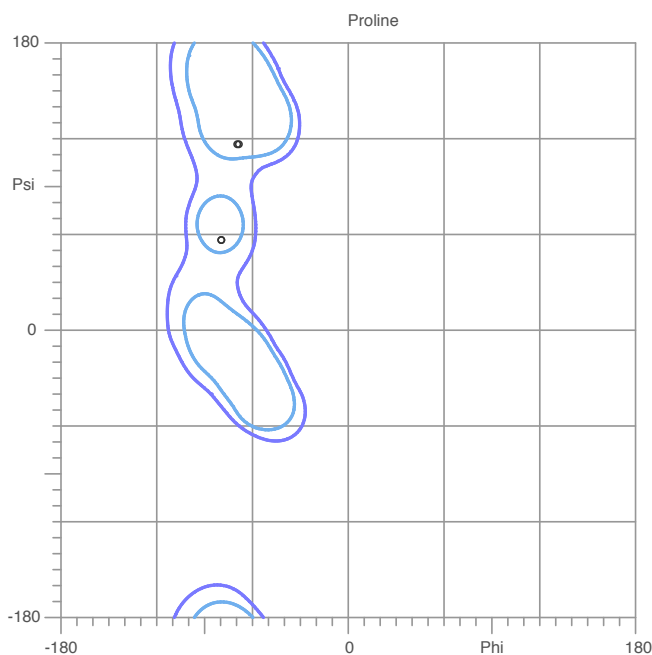
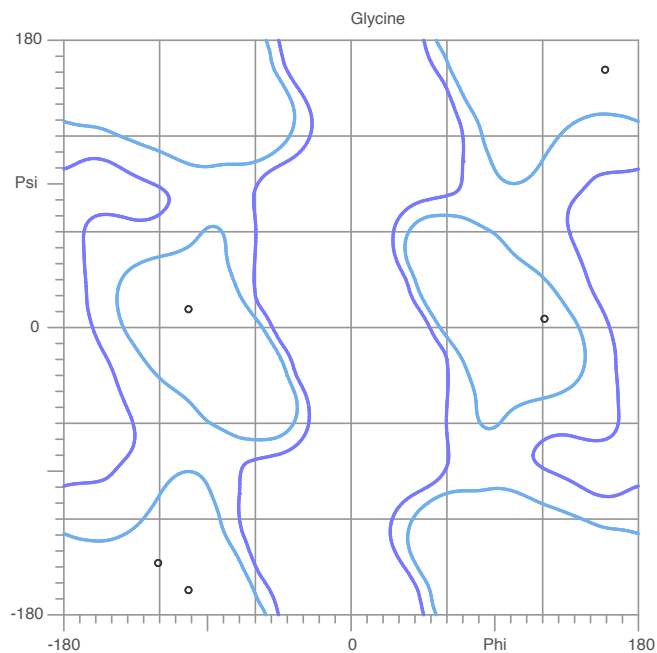
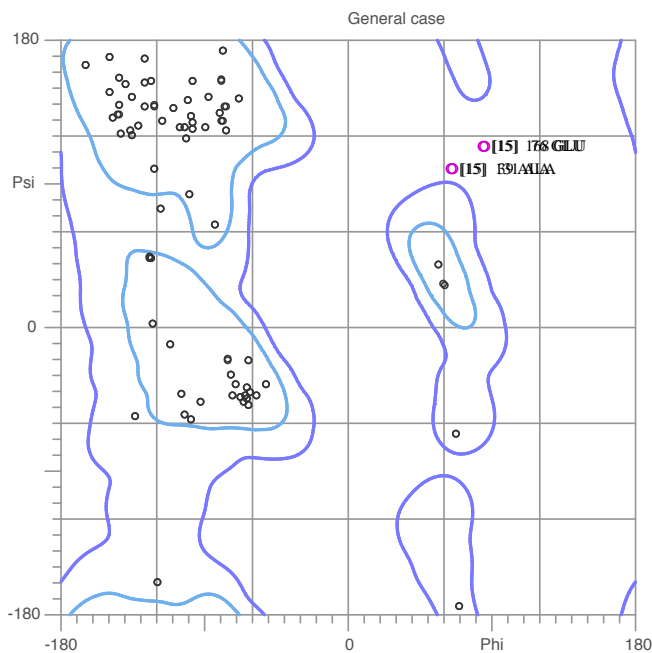


92.5% (148/160) of all residues were in favored (98%) regions.
98.8% (158/160) of all residues were in allowed (>99.8%) regions.

There were 2 outliers (phi, psi):
[14] 47 SER (173.7, -59.5)
[14] 139 SER (173.7, -59.5)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 15



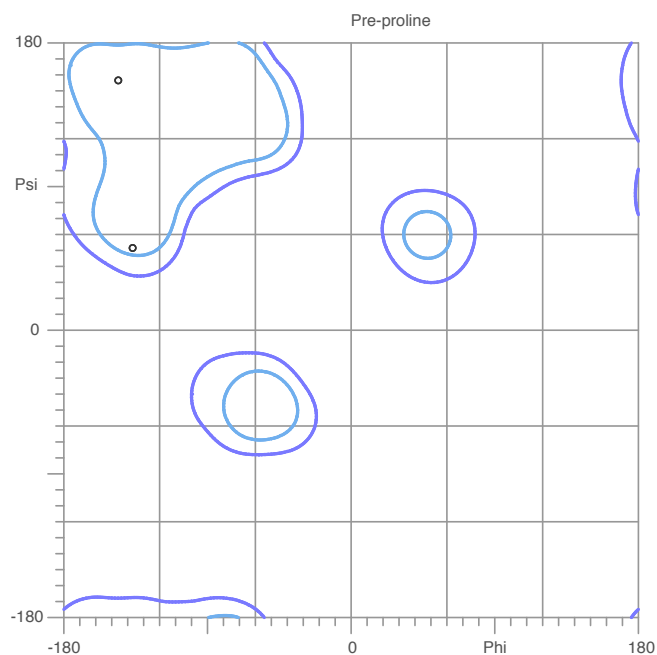
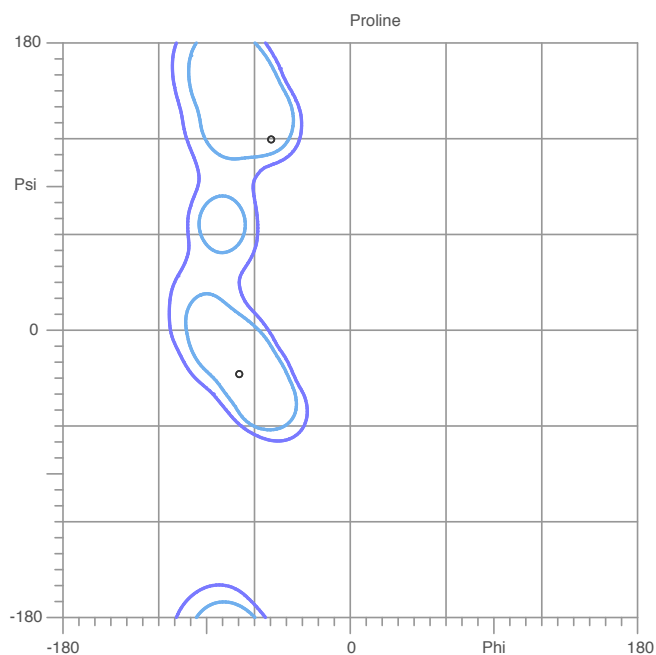
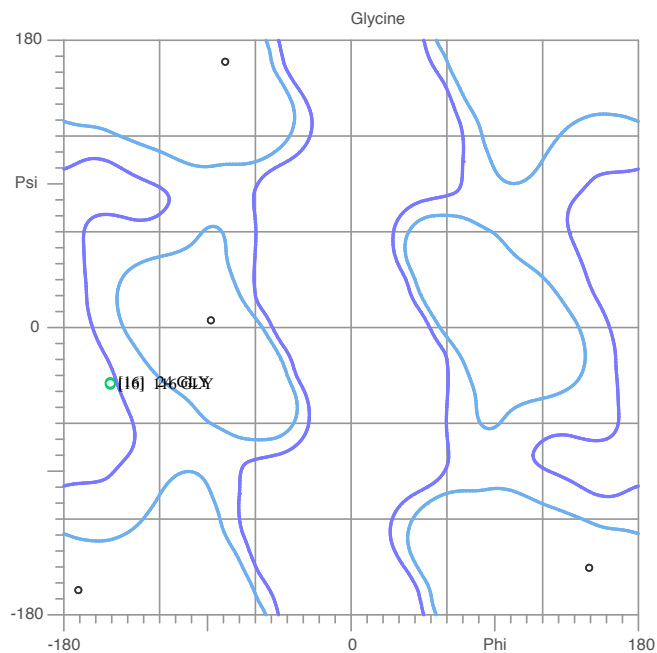
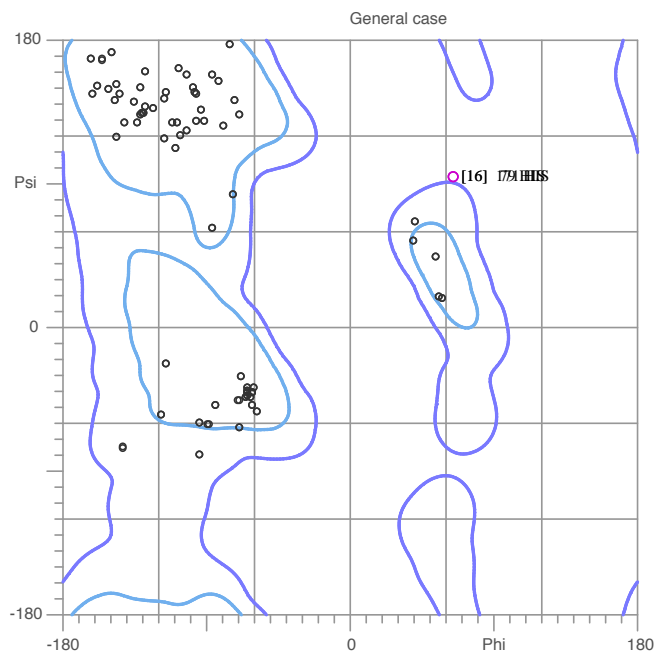
90.0% (144/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[15] 37 ALA (70.8, 143.7)

[15] 39 ALA (65.0, 100.7)
[15] 76 GLU (85.0, 114.8)
[15] 129 ALA (70.8, 143.7)
[15] 131 ALA (65.0, 100.7)
[15] 168 GLU (85.0, 114.9)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 16



93.8% (150/160) of all residues were in favored (98%) regions.
97.5% (156/160) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

[16] 24 GLY (-151.3, -35.0)

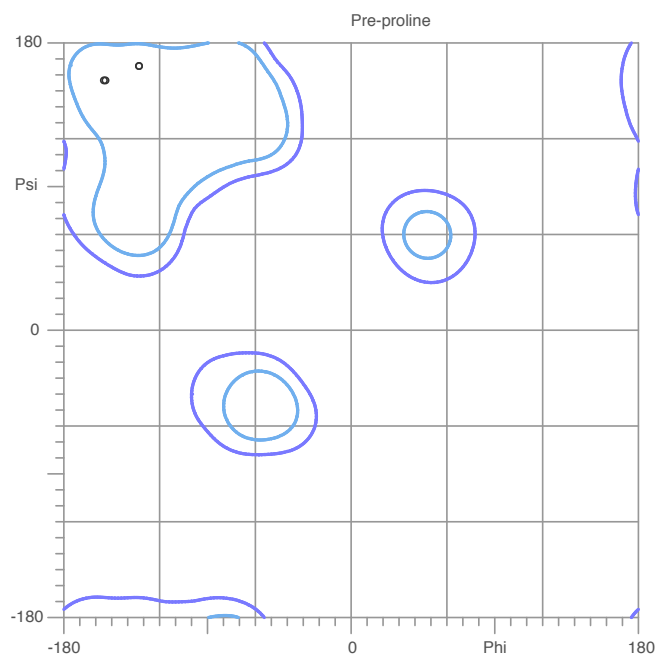
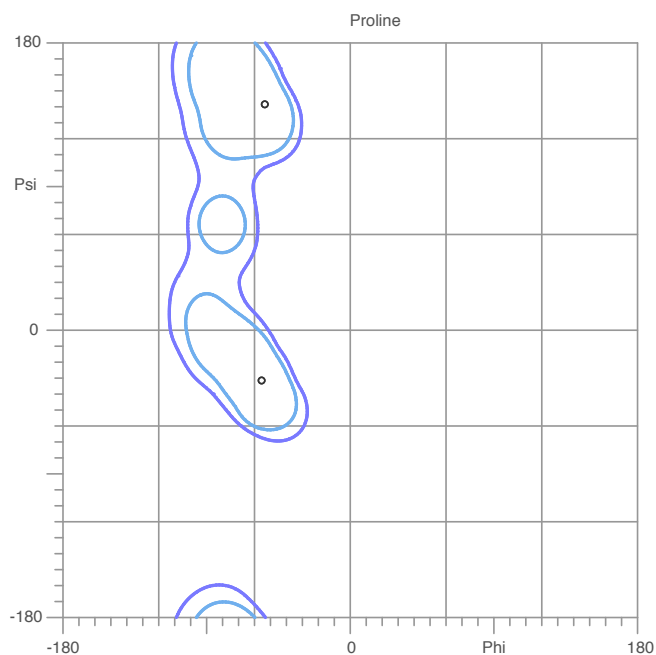
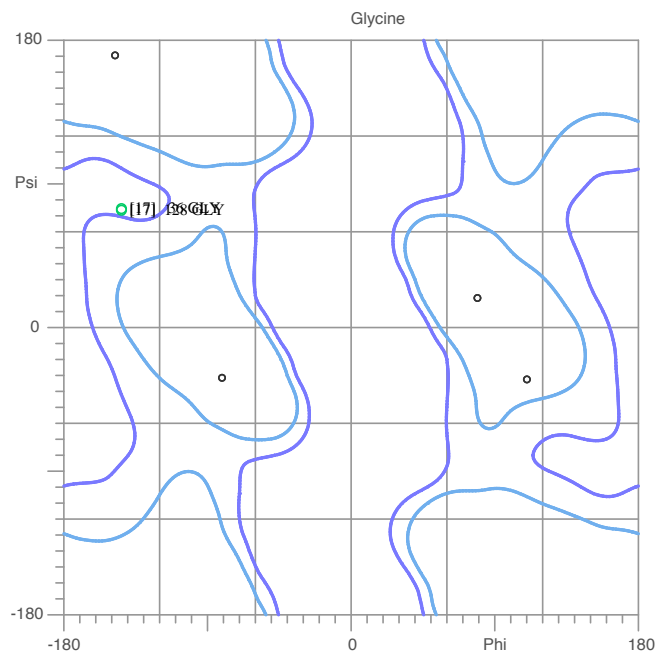
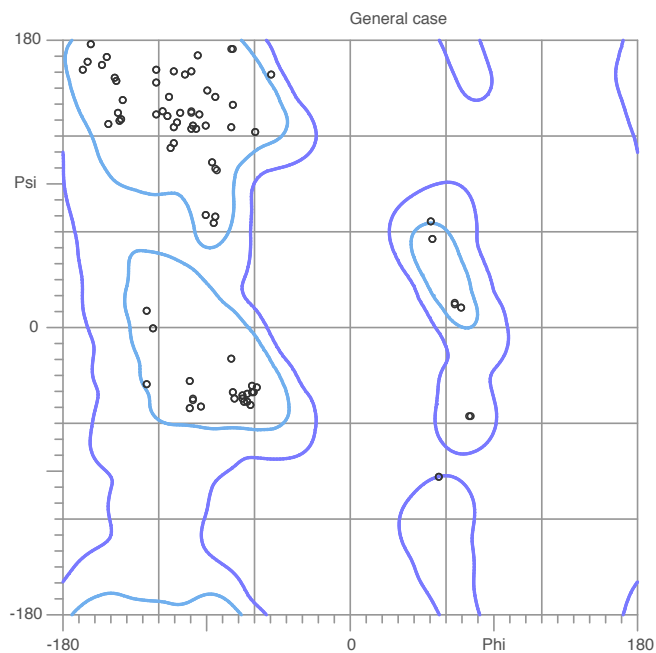
[16] 79 HIS (65.0, 95.0)

[16] 116 GLY (-151.3, -35.0)

[16] 171 HIS (65.0, 95.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 17

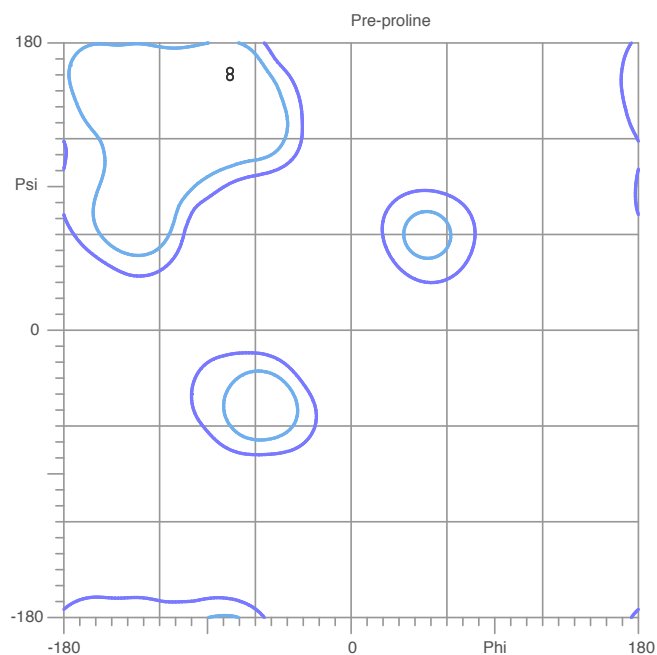
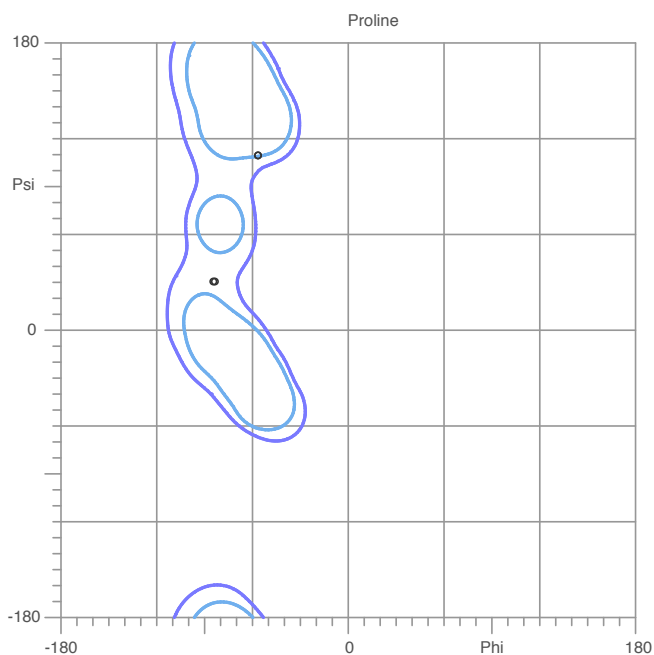
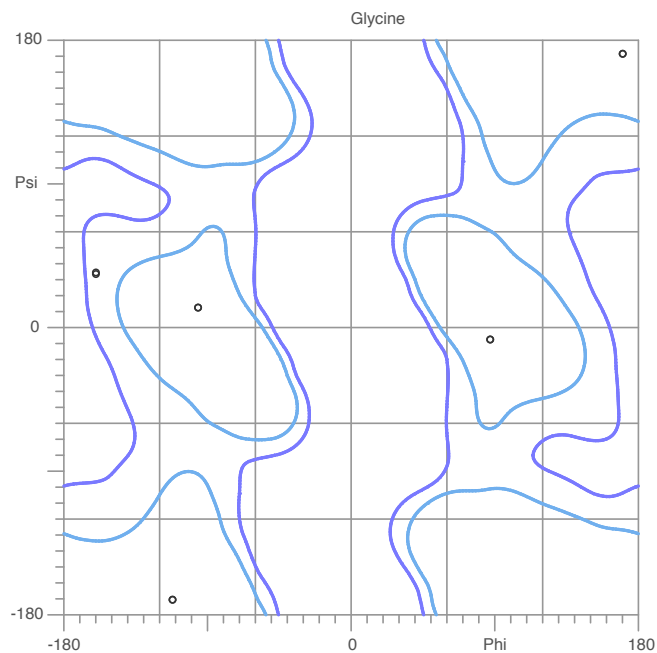
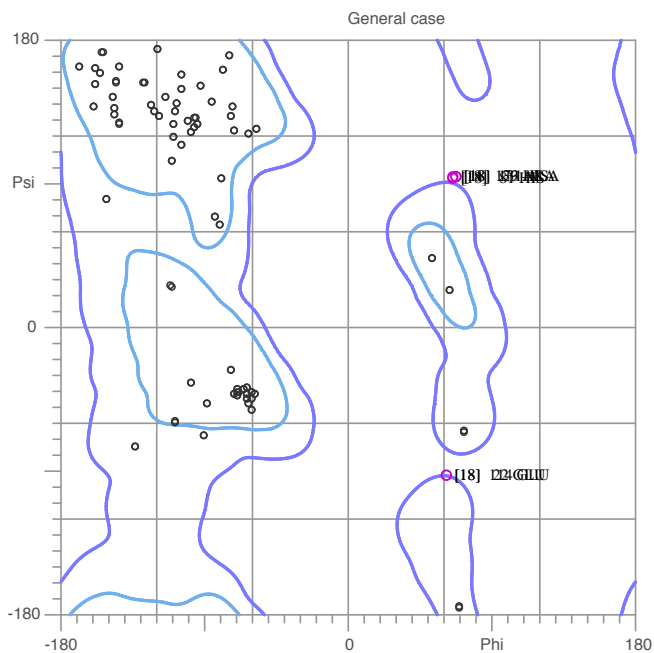


93.8% (150/160) of all residues were in favored (98%) regions.
98.8% (158/160) of all residues were in allowed (>99.8%) regions.

There were 2 outliers (phi, psi):
[17] 36 GLY (-144.4, 75.0)
[17] 128 GLY (-144.4, 75.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 18



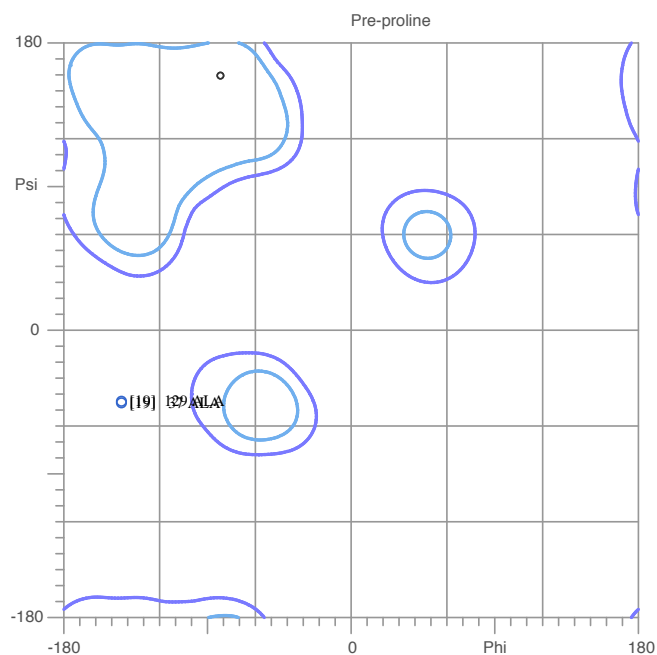
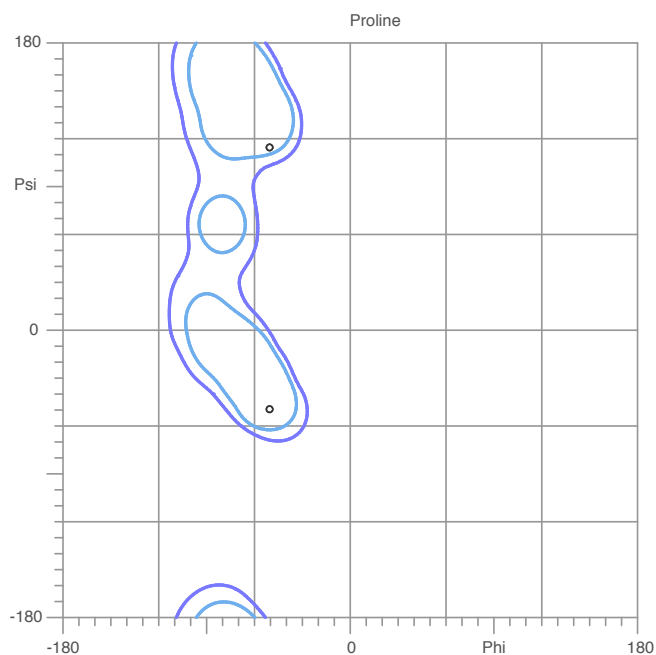
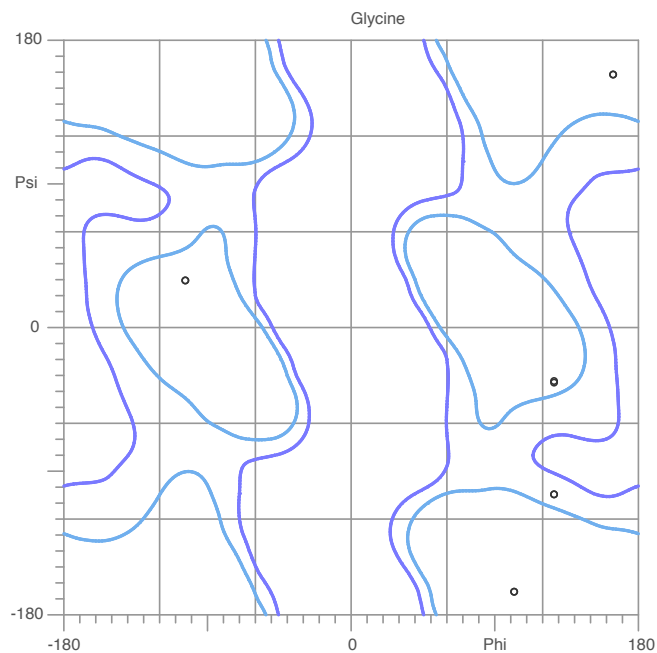
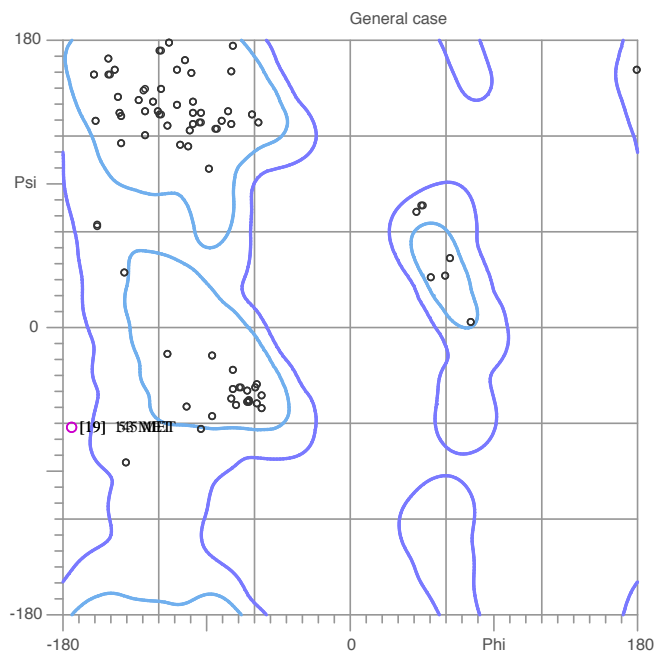
87.5% (140/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[18] 22 GLU (61.1, -92.7)

[18] 39 ALA (67.1, 95.3)
[18] 81 HIS (65.0, 95.0)
[18] 114 GLU (61.1, -92.7)
[18] 131 ALA (67.2, 95.2)
[18] 173 HIS (65.0, 95.0)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 19



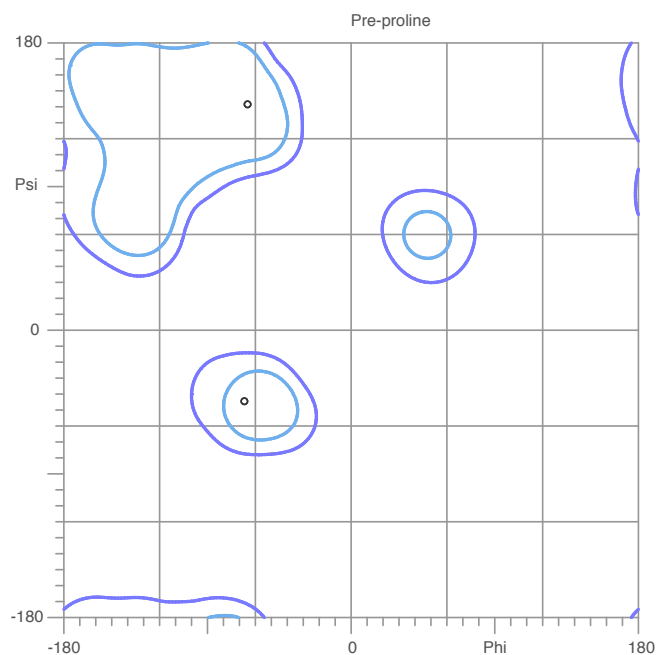
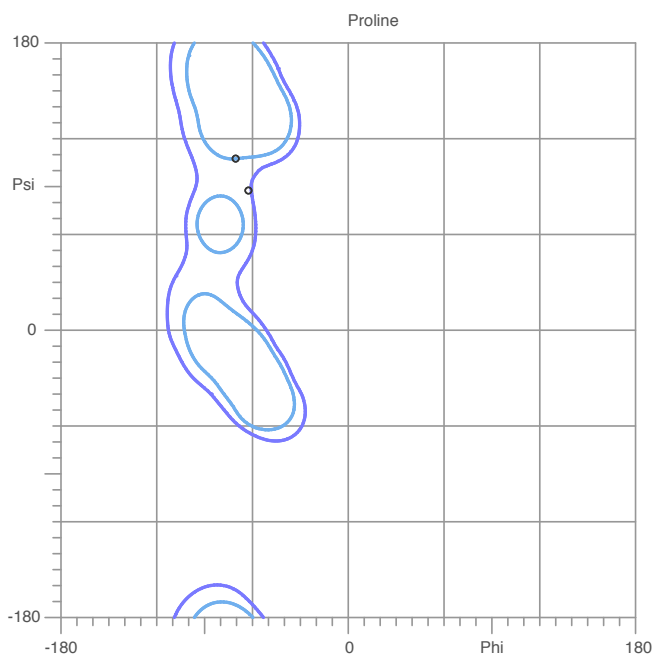
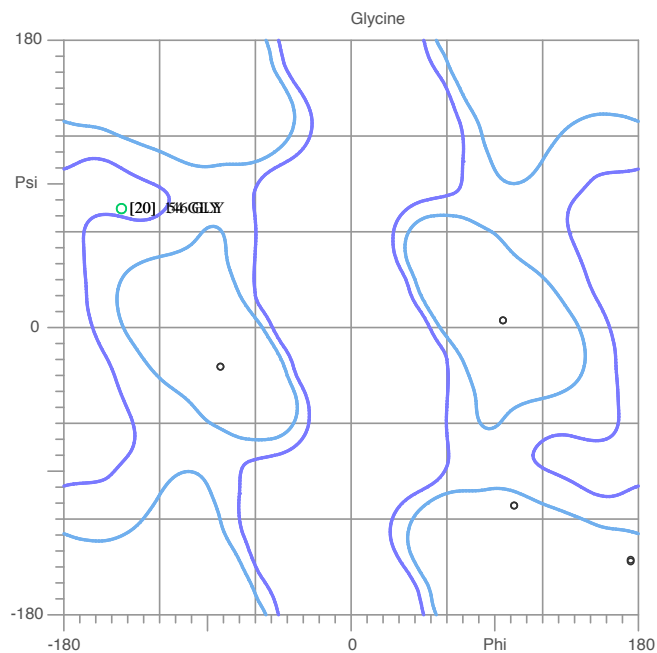
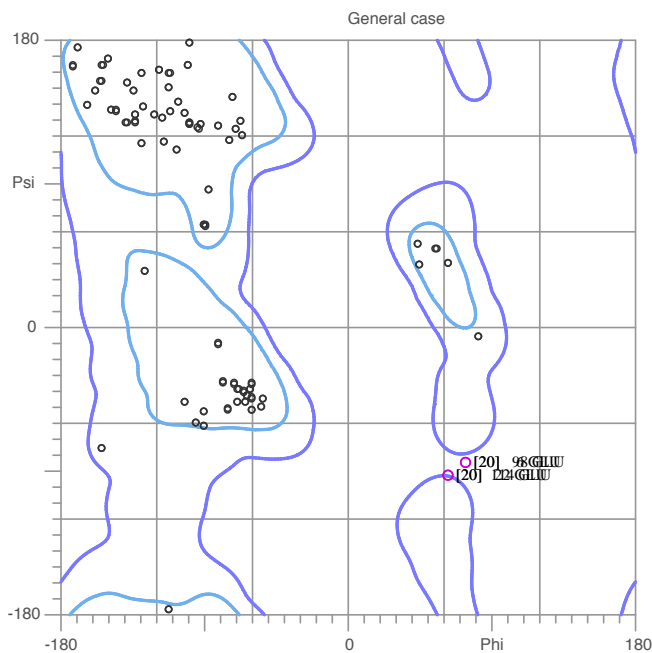
87.5% (140/160) of all residues were in favored (98%) regions.
97.5% (156/160) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):

- [19] 37 ALA (-145.0, -45.0)
- [19] 53 MET (-175.0, -62.7)
- [19] 129 ALA (-145.0, -45.0)
- [19] 145 MET (-175.0, -62.7)

MolProbity Ramachandran analysis

SPR104_R3Cons_em_bcr3.pdb, model 20



92.5% (148/160) of all residues were in favored (98%) regions.
96.2% (154/160) of all residues were in allowed (>99.8%) regions.

There were 6 outliers (phi, psi):
[20] 6 GLU (73.3, -85.0)

[20] 22 GLU (62.1, -92.7)
[20] 54 GLY (-145.0, 75.0)
[20] 98 GLU (73.2, -85.0)
[20] 114 GLU (62.2, -92.7)
[20] 146 GLY (-145.0, 75.0)