There were 79 outliers (phi, psi):

80.6% (329/408) of all residues were in allowed (>99.8%) regions.

48.3% (197/408) of all residues were in favored (98%) regions.

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47.1% (32/68) of all residues were in favored (98%) regions.
80.9% (55/68) of all residues were in allowed (>99.8%) regions.

There were 13 outliers (phi, psi):
1. CYS (159.3, -40.3)
2. ARG (163.4, 77.5)
3. PHE (-31.3, 98.5)
4. PHE (-49.7, 90.1)
5. THR (58.6, 131.0)
6. SER (61.8, 136.6)
7. ARG (55.4, 165.5)
8. GLN (168.7, 98.3)
9. ARG (-177.5, 33.5)
10. ARG (179.7, -36.4)
11. ALA (60.8, 145.6)
12. LYS (67.8, 139.2)
13. SER (-57.9, -78.2)
MolProbity Ramachandran analysis


60.3% (41/68) of all residues were in favored (98%) regions.
83.8% (57/68) of all residues were in allowed (>99.8%) regions.

There were 11 outliers (phi, psi):

- 06 CYS (159.4, -92.7)
- 21 ARG (164.7, 48.5)
- 25 PHE (36.3, 30.5)
- 32 GLY (-63.1, -126.9)
- 33 SER (-47.5, 104.0)
- 36 ARG (46.0, 95.6)
- 37 ARG (179.7, 62.7)
- 40 GLN (178.6, 81.9)
- 53 ASP (-43.7, 167.4)
- 62 ALA (46.9, -172.4)
- 64 LEU (-40.5, 154.4)
MolProbity Ramachandran analysis

General case

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

Pre-proline

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

Trans proline

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

Isoleucine and valine

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

Glycine

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

Cis proline

-180
180
0
Phi
Psi
-180
180
0
Phi
Psi
-180
180
0
Phi
Psi

44.1% (30/68) of all residues were in favored (98%) regions.
72.1% (49/68) of all residues were in allowed (>99.8%) regions.

There were 19 outliers (phi, psi):

- GLU (-176.3, 36.8)
- CYS (85.5, 90.0)
- ALA (-173.9, -39.5)
- LEU (163.5, -48.3)
- GLY (165.4, 94.9)
- ASN (-39.6, 98.2)
- THR (50.9, 116.6)
- GLY (136.8, 46.7)
- SER (38.3, 90.6)
- SER (39.7, 91.7)
- ARG (81.1, 127.6)
- ALA (177.1, 51.3)
- GLY (33.9, 80.6)
- GLU (-177.9, -37.3)
- ARG (-169.0, 48.0)
- CYS (-45.9, 97.4)
- ALA (-28.2, -69.6)
- ALA (60.9, 151.8)
MolProbity Ramachandran analysis

1BQT, model 4

There were 11 outliers (phi, psi):

- 1 THR (46.6, 97.3)
- 5 LEU (-154.6, -129.3)
- 6 CYS (148.1, 73.2)
- 7 GLY (143.0, 64.4)
- 31 TYR (168.0, 88.6)
- 35 SER (176.5, 121.1)
- 41 THR (168.0, -42.8)
- 55 ARG (26.2, 47.1)
- 56 ARG (178.7, -53.5)
- 62 ALA (126.1, -52.7)
- 64 LEU (-36.9, 149.6)

47.1% (32/68) of all residues were in favored (98%) regions.
83.8% (57/68) of all residues were in allowed (>99.8%) regions.

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48.5% (33/68) of all residues were in favored (98%) regions.
79.4% (54/68) of all residues were in allowed (>99.8%) regions.
There were 14 outliers (phi, psi):
- 7 GLY (144.7, 73.6)
- 8 ALA (163.4, -36.5)
- 13 ALA (-34.8, -34.8)
- 15 GLN (-40.5, -26.9)
- 20 ASP (158.9, 49.6)
- 21 ARG (28.6, 50.9)
- 27 LYS (60.1, 152.1)
- 31 TYR (167.5, 87.0)
- 33 SER (167.6, 135.3)
- 34 SER (179.4, 92.8)
- 37 ARG (55.4, 172.7)
- 38 ALA (-116.0, -71.0)
- 50 ARG (-167.9, 29.8)
- 54 LEU (89.6, -56.7)

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MolProbity Ramachandran analysis

1BQT, model 6

42.6% (29/68) of all residues were in favored (98%) regions.
83.8% (57/68) of all residues were in allowed (>99.8%) regions.

There were 11 outliers (phi, psi):

1. THR (58.5, 124.3)
2. ALA (65.1, 97.1)
3. GLU (184.9, 97.1)
4. THR (58.5, 124.3)
5. ALA (191.2, 179.1)
6. SER (157.6, 97.1)
7. ASP (119.7, -158.5)
8. LEU (169.6, 32.9)
9. CYS (34.3, 98.6)
10. SER (42.9, 81.4)
11. ALA (84.2, -179.3)

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