71.9% (532/740) of all residues were in favored (98%) regions.
95.3% (705/740) of all residues were in allowed (>99.8%) regions.
There were 35 outliers (phi, psi):

- 72 ARG (48.2, -175.4)
- 73 LEU (-59.6, -172.2)
- 74 ARG (-43.5, 158.0)
- 41 GLN (-57.5, -176.4)
- 47 GLY (159.8, 64.6)
- 53 GLY (34.3, -97.0)
- 71 LEU (-44.1, 161.2)
- 73 LEU (-58.2, -172.5)
- 50 LEU (-40.1, -89.1)
- 53 GLY (40.7, -99.4)
- 7 THR (169.4, 173.2)
- 73 LEU (-74.8, -152.0)
- 7 THR (169.2, 174.5)
- 71 LEU (-40.1, 153.3)
- 73 LEU (-54.0, -173.6)
- 75 GLY (-146.1, -57.5)
- 50 LEU (38.5, 91.1)
- 63 LYS (73.3, 124.6)
- 64 GLU (14.3, 65.5)
- 71 LEU (-40.9, 160.8)
- 74 ARG (-40.5, 154.6)
- 7 THR (166.6, 175.8)
- 10 GLY (49.6, 83.9)
- 46 ALA (85.4, -39.8)
- 50 LEU (54.4, 98.1)
- 72 ARG (87.5, 29.6)
- 47 GLY (144.5, 47.1)
- 53 GLY (2.2, -82.3)
- 7 THR (169.6, 174.6)
- 24 GLU (-33.5, -37.1)
- 66 THR (87.6, 88.9)
- 72 ARG (73.5, 131.6)
- 12 THR (-173.5, 85.0)
- 42 ARG (174.3, 119.2)
- 70 VAL (-89.6, -158.4)
MolProbity Ramachandran analysis

1V81, model 1

74.3% (55/74) of all residues were in favored (98%) regions.
95.9% (71/74) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):
[1] 72 ARG (48.2, -175.4)
[1] 73 LEU (-59.6, -172.2)
[1] 74 ARG (-43.5, 158.0)

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70.3% (52/74) of all residues were in favored (98%) regions.
93.2% (69/74) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):
[2] 41 GLN (-57.5, -176.4)
[2] 47 GLY (159.8, 64.6)
[2] 53 GLY (34.3, -97.0)
[2] 71 LEU (-44.1, 161.2)
[2] 73 LEU (-58.2, -172.5)

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MolProbity Ramachandran analysis

81.1% (60/74) of all residues were in favored (98%) regions.
97.3% (72/74) of all residues were in allowed (>99.8%) regions.

There were 2 outliers (phi, psi):
[3]  50 LEU (-40.1, -89.1)
[3]  53 GLY (40.7, -99.4)

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73.0% (54/74) of all residues were in favored (98%) regions.
97.3% (72/74) of all residues were in allowed (>99.8%) regions.

There were 2 outliers (phi, psi):
[4] 7 THR (169.4, 173.2)
[4] 73 LEU (-74.8, -152.0)
77.0% (57/74) of all residues were in favored (98%) regions.
94.6% (70/74) of all residues were in allowed (>99.8%) regions.

There were 4 outliers (phi, psi):
[5] 7 THR (169.2, 174.5)
[5] 71 LEU (-40.1, 153.3)
[5] 73 LEU (-54.0, -173.6)
[5] 75 GLY (-146.1, -57.5)

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67.6% (50/74) of all residues were in favored (98%) regions.
93.2% (69/74) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):
[6] 50 LEU (38.5, 91.1)
[6] 63 LYS (73.3, 124.6)
[6] 64 GLU (14.3, 65.5)
[6] 71 LEU (-40.9, 160.8)
[6] 74 ARG (-40.5, 154.6)

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MolProbity Ramachandran analysis

1V81, model 7

General case

Isoleucine and valine

Pre-proline

Glycine

Trans proline

Cis proline

67.6% (50/74) of all residues were in favored (98%) regions.
93.2% (69/74) of all residues were in allowed (>99.8%) regions.

There were 5 outliers (phi, psi):

[7]  7 THR (166.6, 175.8)
[7]  10 GLY (49.6, 83.9)
[7]  46 ALA (85.4, -39.8)
[7]  50 LEU (54.4, 98.1)
[7]  72 ARG (87.5, 29.6)

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66.2% (49/74) of all residues were in favored (98%) regions.
97.3% (72/74) of all residues were in allowed (>99.8%) regions.

There were 2 outliers (phi, psi):

[8] 47 GLY (144.5, 47.1)
[8] 53 GLY (2.2, -82.3)
MolProbity Ramachandran analysis

There were 4 outliers (phi, psi):

- THR 7 (169.6, 174.6)
- GLU 24 (-33.5, -37.1)
- THR 66 (87.6, 88.9)
- ARG 72 (73.5, 131.6)

64.9% (48/74) of all residues were in favored (98%) regions.
94.6% (70/74) of all residues were in allowed (>99.8%) regions.

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77.0% (57/74) of all residues were in favored (98%) regions. 
95.9% (71/74) of all residues were in allowed (>99.8%) regions.

There were 3 outliers (phi, psi):
[10]  12 THR (-173.5, 85.0)
[10]  42 ARG (174.3, 119.2)
[10]  70 VAL (-89.6, -158.4)