



wwPDB X-ray Structure Validation Summary Report

Apr 5, 2014 – 04:46 AM BST

PDB ID : 2GQ4
Title : Crystal structure of an RNA racemate
Authors : Rypniewski, W.; Vallazza, M.; Perbandt, M.; Klussmann, S.; Betzel, C.; Erdmann, V.A.
Deposited on : 2006-04-20
Resolution : 1.35 Å(reported)

This is a wwPDB validation summary report for a publicly released PDB entry.
We welcome your comments at validation@mail.wwpdb.org
A user guide is available at <http://wwpdb.org/ValidationPDFNotes.html>

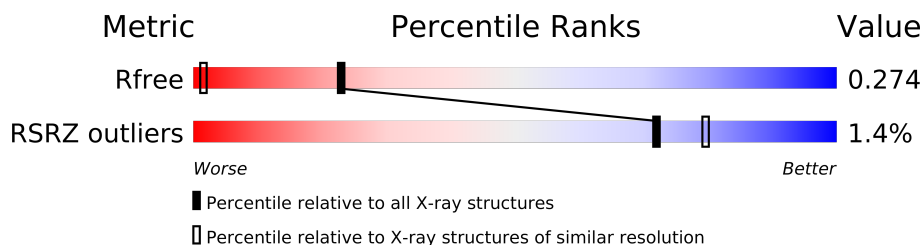
The following versions of software and data (see [references](#)) were used in the production of this report:

MolProbity : **FAILED**
Mogul : 1.16 November 2013
Xtriage (Phenix) : dev-1323
EDS : stable23015
Percentile statistics : 21963
Refmac : 5.8.0049
CCP4 : 6.3.0 (Settle)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et. al. (1996)
Validation Pipeline (wwPDB-VP) : stable23015

1 Overall quality at a glance

The reported resolution of this entry is 1.35 Å.



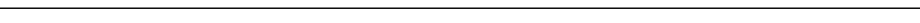




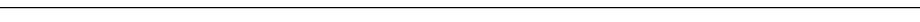
Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



| Metric | Whole archive (#Entries) | Similar resolution (#Entries, resolution range(Å)) |
|---------------|-----------------------------|---|
| R_{free} | 66092 | 1519 (1.40-1.32) |
| RSRZ outliers | 66119 | 1519 (1.40-1.32) |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments on the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density.

Note MolProbity failed to run properly.

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|--|
| 1 | 1-K | 8 |  |
| 1 | 1-M | 8 |  |
| 1 | 2-K | 8 |  |
| 1 | 2-M | 8 |  |
| 2 | 1-L | 8 |  |
| 2 | 1-N | 8 |  |
| 2 | 2-L | 8 |  |
| 2 | 2-N | 8 |  |

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 1877 atoms, of which 0 are hydrogen and 0 are deuterium.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a RNA chain called RNA (5'-R*(0C)P*(0U)P*(0G)P*(0G)P*(0G)P*(0C)P*(0G)P*(0G))-3').

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|----|----|----|---|---------|---------|-------|
| 1 | 1-K | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 171 | 77 | 33 | 54 | 7 | | | |
| 1 | 2-K | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 172 | 77 | 33 | 55 | 7 | | | |
| 1 | 1-M | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 172 | 77 | 33 | 55 | 7 | | | |
| 1 | 2-M | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 172 | 77 | 33 | 55 | 7 | | | |

- Molecule 2 is a RNA chain called RNA (5'-R*(0C)P*(0C)P*(0G)P*(0C)P*(0C)P*(0U)P*(0G)P*(0G))-3').

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|----|----|----|---|---------|---------|-------|
| 2 | 1-L | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 166 | 75 | 29 | 55 | 7 | | | |
| 2 | 2-L | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 166 | 75 | 29 | 55 | 7 | | | |
| 2 | 1-N | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 166 | 75 | 29 | 55 | 7 | | | |
| 2 | 2-N | 8 | Total | C | N | O | P | 0 | 8 | 0 |
| | | | 166 | 75 | 29 | 55 | 7 | | | |

- Molecule 3 is CALCIUM ION (three-letter code: CA) (formula: Ca).

| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|-------|----|---------|---------|
| 3 | 2-N | 3 | Total | Ca | 0 | 3 |
| | | | 3 | 3 | | |
| 3 | 2-M | 2 | Total | Ca | 0 | 2 |
| | | | 2 | 2 | | |
| 3 | 1-N | 3 | Total | Ca | 0 | 3 |
| | | | 3 | 3 | | |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|-------|----|---------|---------|
| 3 | 2-L | 1 | Total | Ca | 0 | 1 |
| | | | 1 | 1 | | |
| 3 | 1-L | 1 | Total | Ca | 0 | 1 |
| | | | 1 | 1 | | |
| 3 | 1-M | 2 | Total | Ca | 0 | 2 |
| | | | 2 | 2 | | |

- Molecule 4 is GLYCEROL (three-letter code: GOL) (formula: $C_3H_8O_3$).



| Mol | Chain | Residues | Atoms | | | ZeroOcc | AltConf |
|-----|-------|----------|-------|---|---|---------|---------|
| 4 | 1-N | 1 | Total | C | O | 0 | 1 |
| | | | 6 | 3 | 3 | | |
| 4 | 2-N | 1 | Total | C | O | 0 | 1 |
| | | | 6 | 3 | 3 | | |

- Molecule 5 is water.

| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|-------|----|---------|---------|
| 5 | 1-K | 65 | Total | O | 0 | 65 |
| | | | 65 | 65 | | |
| 5 | 2-K | 65 | Total | O | 0 | 65 |
| | | | 65 | 65 | | |
| 5 | 1-L | 61 | Total | O | 0 | 61 |
| | | | 61 | 61 | | |
| 5 | 2-L | 60 | Total | O | 0 | 60 |
| | | | 60 | 60 | | |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|-------------|---------|---------|---------|
| 5 | 1-M | 66 | Total 66 | O 66 | 0 | 66 |
| 5 | 2-M | 66 | Total 66 | O 66 | 0 | 66 |
| 5 | 1-N | 59 | Total 59 | O 59 | 0 | 59 |
| 5 | 2-N | 60 | Total 60 | O 60 | 0 | 60 |

3 Residue-property plots

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

Note MolProbity failed to run properly.

- Molecule 1: RNA (5'-R(* (0C)P*(0U)P*(0G)P*(0G)P*(0G)P*(0C)P*(0G)P*(0G))-3')

Chain 1-K: 

There are no outlier residues recorded for this chain.

- Molecule 1: RNA (5'-R(* (0C)P*(0U)P*(0G)P*(0G)P*(0G)P*(0C)P*(0G)P*(0G))-3')

Chain 1-M: 

There are no outlier residues recorded for this chain.

- Molecule 1: RNA (5'-R(* (0C)P*(0U)P*(0G)P*(0G)P*(0G)P*(0C)P*(0G)P*(0G))-3')

Chain 2-K: 

There are no outlier residues recorded for this chain.

- Molecule 1: RNA (5'-R(* (0C)P*(0U)P*(0G)P*(0G)P*(0G)P*(0C)P*(0G)P*(0G))-3')

Chain 2-M: 

There are no outlier residues recorded for this chain.

- Molecule 2: RNA (5'-R(* (0C)P*(0C)P*(0G)P*(0C)P*(0C)P*(0U)P*(0G)P*(0G))-3')

Chain 1-L: 

There are no outlier residues recorded for this chain.

- Molecule 2: RNA (5'-R(* (0C)P*(0C)P*(0G)P*(0C)P*(0C)P*(0U)P*(0G)P*(0G))-3')

Chain 1-N: 

There are no outlier residues recorded for this chain.

- Molecule 2: RNA (5'-R(* (0C)P*(0C)P*(0G)P*(0C)P*(0C)P*(0U)P*(0G)P*(0G))-3')

Chain 2-L: 

There are no outlier residues recorded for this chain.

- Molecule 2: RNA (5'-R(* (0C)P*(0C)P*(0G)P*(0C)P*(0C)P*(0U)P*(0G)P*(0G))-3')

Chain 2-N: 

There are no outlier residues recorded for this chain.

4 Data and refinement statistics

| Property | Value | Source |
|---|--|------------------|
| Space group | P -1 | Depositor |
| Cell constants a, b, c, α , β , γ | 26.93Å 38.16Å 45.90Å 112.25° 101.56° 92.20° | Depositor |
| Resolution (Å) | 10.00 – 1.35 9.92 – 1.35 | Depositor EDS |
| % Data completeness (in resolution range) | 95.0 (10.00-1.35) 95.3 (9.92-1.35) | Depositor EDS |
| R_{merge} | (Not available) | Depositor |
| R_{sym} | 0.03 | Depositor |
| $\langle I/\sigma(I) \rangle$ ¹ | 2.40 (at 1.35Å) | Xtriage |
| Refinement program | REFMAC 5.1 | Depositor |
| R, R_{free} | 0.241 , 0.270 0.249 , 0.274 | Depositor DCC |
| R_{free} test set | 1734 reflections (5.32%) | DCC |
| Wilson B-factor (Å ²) | 48.2 | Xtriage |
| Anisotropy | -0.784 | Xtriage |
| Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²) | 0.45 , 59.1 | EDS |
| Estimated twinning fraction | No twinning to report. | Xtriage |
| L-test for twinning | $\langle L \rangle =$ (Not available), $\langle L^2 \rangle =$ (Not available) | Xtriage |
| Outliers | 346 of 34306 reflections (1.009%) | Xtriage |
| F_o, F_c correlation | 0.95 | EDS |
| Total number of atoms | 1877 | wwPDB-VP |
| Average B, all atoms (Å ²) | 24.0 | wwPDB-VP |

Xtriage's analysis on translational NCS is as follows: *None*

¹Intensities estimated from amplitudes.

5 Model quality ⓘ

5.1 Standard geometry ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.2 Close contacts ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.3 Torsion angles

5.3.1 Protein backbone ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.3.2 Protein sidechains ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.3.3 RNA ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.5 Carbohydrates ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.6 Ligand geometry ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.7 Other polymers ⓘ

MolProbity failed to run properly - this section will therefore be empty.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ> 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q< 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

| Mol | Chain | Analysed | <RSRZ> | #RSRZ>2 | OWAB(Å ²) | Q<0.9 |
|-----|-------|--------------|--------|-----------|-----------------------|-----------|
| 1 | 1-K | 8/8 (100%) | -0.35 | 0 100 100 | 16, 17, 18, 18 | 8 (100%) |
| 1 | 1-M | 8/8 (100%) | 0.33 | 0 100 100 | 17, 18, 21, 22 | 8 (100%) |
| 1 | 2-K | 8/8 (100%) | -0.35 | 0 100 100 | 16, 17, 18, 18 | 8 (100%) |
| 1 | 2-M | 8/8 (100%) | 0.33 | 0 100 100 | 17, 18, 21, 22 | 8 (100%) |
| 2 | 1-L | 8/8 (100%) | -0.47 | 0 100 100 | 14, 15, 16, 18 | 8 (100%) |
| 2 | 1-N | 8/8 (100%) | -0.18 | 0 100 100 | 16, 17, 21, 23 | 8 (100%) |
| 2 | 2-L | 8/8 (100%) | -0.47 | 0 100 100 | 14, 15, 16, 18 | 8 (100%) |
| 2 | 2-N | 8/8 (100%) | -0.18 | 0 100 100 | 16, 17, 21, 23 | 8 (100%) |
| All | All | 64/64 (100%) | -0.17 | 0 72 100 | 14, 17, 21, 23 | 64 (100%) |

There are no RSRZ outliers to report.

6.2 Non-standard residues in protein, DNA, RNA chains ⓘ

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled ‘Q< 0.9’ lists the number of atoms with occupancy less than 0.9.

| Mol | Type | Chain | Res | Atoms | RSR | LLDF | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|-------|-------|------|------|----------------------------|-------|
| 1 | 0G | 1-K | 82[A] | 23/24 | 0.08 | - | 13,16,17,18 | 23 |
| 2 | 0G | 2-N | 92[B] | 23/24 | 0.07 | - | 14,15,19,22 | 23 |
| 1 | 0G | 1-M | 83[A] | 23/24 | 0.09 | - | 15,17,20,21 | 23 |
| 2 | 0C | 2-N | 94[B] | 20/21 | 0.06 | - | 15,17,18,19 | 20 |
| 2 | 0G | 2-N | 97[B] | 23/24 | 0.08 | - | 14,16,19,21 | 23 |
| 1 | 0C | 2-K | 84[B] | 20/21 | 0.11 | - | 14,17,21,22 | 20 |

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| Mol | Type | Chain | Res | Atoms | RSR | LLDF | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|-------|-------|------|------|----------------------------|-------|
| 1 | 0U | 1-M | 80[A] | 20/21 | 0.10 | - | 16,17,20,22 | 20 |
| 2 | 0C | 1-L | 91[A] | 20/21 | 0.09 | - | 15,17,19,20 | 20 |
| 1 | 0G | 2-K | 82[B] | 23/24 | 0.08 | - | 11,15,18,19 | 23 |
| 2 | 0C | 2-L | 90[B] | 17/21 | 0.10 | - | 13,15,17,18 | 17 |
| 1 | 0C | 1-K | 84[A] | 20/21 | 0.11 | - | 13,15,17,23 | 20 |
| 1 | 0G | 1-M | 81[A] | 23/24 | 0.08 | - | 13,16,20,23 | 23 |
| 1 | 0G | 1-K | 81[A] | 23/24 | 0.10 | - | 14,15,18,19 | 23 |
| 2 | 0G | 2-L | 96[B] | 23/24 | 0.09 | - | 12,14,15,16 | 23 |
| 1 | 0G | 2-M | 83[B] | 23/24 | 0.09 | - | 15,17,20,21 | 23 |
| 1 | 0G | 2-M | 86[B] | 23/24 | 0.11 | - | 17,19,22,24 | 23 |
| 1 | 0G | 1-M | 86[A] | 23/24 | 0.11 | - | 17,19,22,24 | 23 |
| 2 | 0C | 1-N | 93[A] | 20/21 | 0.07 | - | 15,16,18,18 | 20 |
| 2 | 0C | 1-L | 94[A] | 20/21 | 0.08 | - | 16,18,21,22 | 20 |
| 2 | 0G | 1-L | 97[A] | 23/24 | 0.11 | - | 13,15,18,19 | 23 |
| 2 | 0G | 2-N | 96[B] | 23/24 | 0.10 | - | 13,16,19,21 | 23 |
| 2 | 0C | 2-N | 90[B] | 17/21 | 0.15 | - | 18,21,27,27 | 17 |
| 1 | 0G | 1-K | 83[A] | 23/24 | 0.10 | - | 10,14,16,16 | 23 |
| 1 | 0C | 1-M | 84[A] | 20/21 | 0.12 | - | 16,21,24,25 | 20 |
| 1 | 0G | 2-K | 83[B] | 23/24 | 0.10 | - | 13,16,20,21 | 23 |
| 1 | 0C | 1-K | 79[A] | 16/21 | 0.09 | - | 14,16,19,19 | 16 |
| 1 | 0U | 2-M | 80[B] | 20/21 | 0.10 | - | 16,17,20,22 | 20 |
| 2 | 0C | 1-N | 91[A] | 20/21 | 0.10 | - | 17,19,26,30 | 20 |
| 1 | 0G | 2-M | 81[B] | 23/24 | 0.08 | - | 13,16,20,23 | 23 |
| 1 | 0G | 1-K | 85[A] | 23/24 | 0.07 | - | 14,16,27,30 | 23 |
| 2 | 0U | 2-L | 95[B] | 20/21 | 0.07 | - | 11,14,17,17 | 20 |
| 1 | 0G | 1-M | 85[A] | 23/24 | 0.13 | - | 16,19,24,28 | 23 |
| 1 | 0C | 2-M | 79[B] | 17/21 | 0.08 | - | 15,16,21,22 | 17 |
| 2 | 0C | 2-L | 93[B] | 20/21 | 0.08 | - | 13,14,16,17 | 20 |
| 1 | 0U | 2-K | 80[B] | 20/21 | 0.08 | - | 14,15,17,19 | 20 |
| 1 | 0U | 1-K | 80[A] | 20/21 | 0.08 | - | 14,16,19,19 | 20 |
| 2 | 0C | 2-N | 91[B] | 20/21 | 0.10 | - | 17,19,26,30 | 20 |
| 2 | 0G | 1-N | 97[A] | 23/24 | 0.08 | - | 14,16,19,21 | 23 |
| 2 | 0C | 1-N | 90[A] | 17/21 | 0.15 | - | 18,21,27,27 | 17 |
| 1 | 0G | 2-K | 85[B] | 23/24 | 0.07 | - | 16,17,22,23 | 23 |
| 1 | 0C | 2-K | 79[B] | 17/21 | 0.09 | - | 15,16,18,20 | 17 |
| 2 | 0U | 1-N | 95[A] | 20/21 | 0.10 | - | 14,16,19,21 | 20 |
| 2 | 0C | 1-L | 93[A] | 20/21 | 0.08 | - | 15,17,19,19 | 20 |
| 2 | 0G | 1-L | 92[A] | 23/24 | 0.07 | - | 14,16,21,22 | 23 |
| 2 | 0G | 1-N | 96[A] | 23/24 | 0.10 | - | 13,16,19,21 | 23 |
| 2 | 0C | 1-N | 94[A] | 20/21 | 0.06 | - | 15,17,18,19 | 20 |
| 2 | 0G | 1-N | 92[A] | 23/24 | 0.07 | - | 14,15,19,22 | 23 |
| 1 | 0G | 1-K | 86[A] | 23/24 | 0.07 | - | 15,16,24,25 | 23 |

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| Mol | Type | Chain | Res | Atoms | RSR | LLDF | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|-------|-------|------|------|-----------------------------|-------|
| 1 | 0G | 2-K | 81[B] | 23/24 | 0.10 | - | 12,15,18,23 | 23 |
| 1 | 0G | 1-M | 82[A] | 23/24 | 0.10 | - | 14,16,18,20 | 23 |
| 2 | 0C | 1-L | 90[A] | 17/21 | 0.10 | - | 12,13,19,21 | 17 |
| 1 | 0C | 1-M | 79[A] | 17/21 | 0.08 | - | 15,16,21,22 | 17 |
| 2 | 0U | 2-N | 95[B] | 20/21 | 0.10 | - | 14,16,19,21 | 20 |
| 1 | 0G | 2-K | 86[B] | 23/24 | 0.07 | - | 14,16,19,20 | 23 |
| 2 | 0C | 2-L | 91[B] | 20/21 | 0.09 | - | 15,17,19,20 | 20 |
| 2 | 0C | 2-L | 94[B] | 20/21 | 0.08 | - | 11,13,16,16 | 20 |
| 2 | 0U | 1-L | 95[A] | 20/21 | 0.07 | - | 18,19,22,22 | 20 |
| 2 | 0G | 2-L | 97[B] | 23/24 | 0.11 | - | 10,13,15,18 | 23 |
| 2 | 0G | 2-L | 92[B] | 23/24 | 0.07 | - | 13,14,17,18 | 23 |
| 1 | 0G | 2-M | 82[B] | 23/24 | 0.10 | - | 14,16,18,20 | 23 |
| 2 | 0G | 1-L | 96[A] | 23/24 | 0.09 | - | 13,15,24,24 | 23 |
| 2 | 0C | 2-N | 93[B] | 20/21 | 0.07 | - | 15,16,18,18 | 20 |
| 1 | 0G | 2-M | 85[B] | 23/24 | 0.13 | - | 16,19,24,28 | 23 |
| 1 | 0C | 2-M | 84[B] | 20/21 | 0.12 | - | 16,21,24,25 | 20 |

6.3 Carbohydrates ⓘ

There are no carbohydrates in this entry.

6.4 Ligands ⓘ

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

| Mol | Type | Chain | Res | Atoms | RSR | LLDF | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|--------|-------|------|------|-----------------------------|-------|
| 3 | CA | 2-M | 306[B] | 1/1 | 0.06 | - | 21,21,21,21 | 1 |
| 3 | CA | 1-M | 311[A] | 1/1 | 0.22 | - | 23,23,23,23 | 1 |
| 4 | GOL | 1-N | 301[A] | 6/6 | 0.19 | - | 22,24,27,29 | 6 |
| 4 | GOL | 2-N | 301[B] | 6/6 | 0.19 | - | 22,24,27,29 | 6 |
| 3 | CA | 1-N | 302[A] | 1/1 | 0.16 | - | 27,27,27,27 | 1 |
| 3 | CA | 1-N | 306[A] | 1/1 | 0.06 | - | 21,21,21,21 | 1 |
| 3 | CA | 2-L | 302[B] | 1/1 | 0.16 | - | 27,27,27,27 | 1 |
| 3 | CA | 2-N | 310[B] | 1/1 | 0.10 | - | 22,22,22,22 | 1 |
| 3 | CA | 1-M | 308[A] | 1/1 | 0.12 | - | 25,25,25,25 | 1 |
| 3 | CA | 2-N | 311[B] | 1/1 | 0.22 | - | 23,23,23,23 | 1 |

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| Mol | Type | Chain | Res | Atoms | RSR | LLDF | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|--------|-------|------|------|-----------------------------|-------|
| 3 | CA | 2-N | 308[B] | 1/1 | 0.12 | - | 25,25,25,25 | 1 |
| 3 | CA | 1-L | 310[A] | 1/1 | 0.10 | - | 22,22,22,22 | 1 |
| 3 | CA | 1-N | 304[A] | 1/1 | 0.46 | - | 31,31,31,31 | 1 |
| 3 | CA | 2-M | 304[B] | 1/1 | 0.46 | - | 31,31,31,31 | 1 |

6.5 Other polymers ⓘ

There are no such residues in this entry.