



wwPDB X-ray Structure Validation Summary Report ⓘ

Jan 7, 2024 – 03:41 pm GMT

PDB ID : 6FKR
Title : Crystal structure of the dolphin proline-rich antimicrobial peptide Tur1A bound to the *Thermus thermophilus* 70S ribosome
Authors : Mardirossian, M.; Perebaskine, N.; Benincasa, M.; Gambato, S.; Hofmann, S.; Huter, P.; Muller, C.; Hilpert, K.; Innis, C.A.; Tossi, A.; Wilson, D.N.
Deposited on : 2018-01-24
Resolution : 3.20 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity : 4.02b-467
Mogul : 1.8.4, CSD as541be (2020)
Xtriage (Phenix) : 1.13
EDS : 2.36
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.36

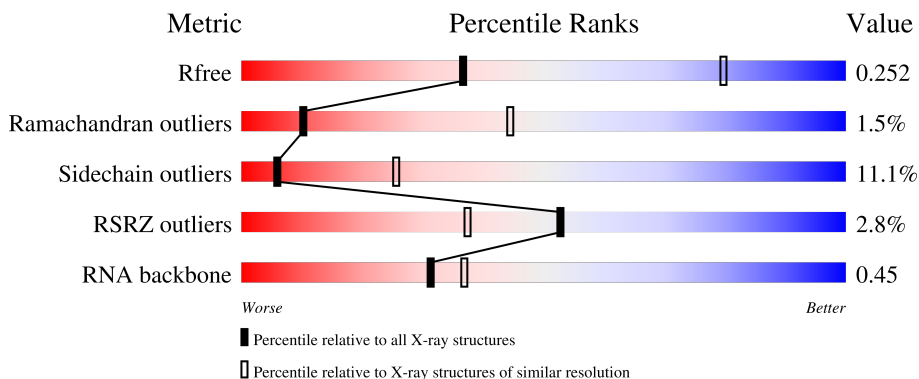
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 3.20 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} | 130704 | 1133 (3.20-3.20) |
| Ramachandran outliers | 138981 | 1234 (3.20-3.20) |
| Sidechain outliers | 138945 | 1233 (3.20-3.20) |
| RSRZ outliers | 127900 | 1095 (3.20-3.20) |
| RNA backbone | 3102 | 1010 (3.50-2.90) |

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 of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 1 | 1A | 2901 | |
| 1 | 2A | 2901 | |
| 2 | 1B | 120 | |
| 2 | 2B | 120 | |
| 3 | 1D | 275 | |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 3 | 2D | 275 | 90% 9% |
| 4 | 1E | 204 | 84% 15% |
| 4 | 2E | 204 | 89% 11% |
| 5 | 1F | 203 | 85% 15% |
| 5 | 2F | 203 | 89% 11% |
| 6 | 1G | 181 | 88% 9% |
| 6 | 2G | 181 | 90% 9% |
| 7 | 1H | 174 | 94% 6% |
| 7 | 2H | 174 | 93% 7% |
| 8 | 1I | 147 | 81% 18% |
| 8 | 2I | 147 | 82% 17% |
| 9 | 1N | 140 | 86% 14% |
| 9 | 2N | 140 | 88% 12% |
| 10 | 1O | 122 | 91% 7% |
| 10 | 2O | 122 | 92% 7% |
| 11 | 1P | 149 | 91% 8% |
| 11 | 2P | 149 | 90% 9% |
| 12 | 1Q | 141 | 90% 10% |
| 12 | 2Q | 141 | 90% 9% |
| 13 | 1R | 118 | 80% 19% |
| 13 | 2R | 118 | 87% 12% |
| 14 | 1S | 110 | 86% 14% |
| 14 | 2S | 110 | 89% 11% |
| 15 | 1T | 131 | 89% 10% |
| 15 | 2T | 131 | 92% 8% |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 16 | 1U | 116 | 84% 16% |
| 16 | 2U | 116 | 89% 11% |
| 17 | 1V | 101 | 86% 14% |
| 17 | 2V | 101 | 92% 8% |
| 18 | 1W | 112 | 88% 12% |
| 18 | 2W | 112 | 86% 14% |
| 19 | 1X | 95 | 95% 5% |
| 19 | 2X | 95 | 94% 6% |
| 20 | 1Y | 107 | 87% 13% |
| 20 | 2Y | 107 | 88% 12% |
| 21 | 1Z | 203 | 89% 10% |
| 21 | 2Z | 203 | 89% 11% |
| 22 | 10 | 77 | 95% 5% |
| 22 | 20 | 77 | 95% 5% |
| 23 | 11 | 97 | 92% 8% |
| 23 | 21 | 97 | 95% |
| 24 | 12 | 70 | 90% 10% |
| 24 | 22 | 70 | 93% 6% |
| 25 | 13 | 59 | 80% 19% |
| 25 | 23 | 59 | 86% 14% |
| 26 | 14 | 69 | 81% 17% |
| 26 | 24 | 69 | 81% 19% |
| 27 | 15 | 59 | 86% 14% |
| 27 | 25 | 59 | 88% 12% |
| 28 | 16 | 53 | 85% 15% |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 28 | 26 | 53 | 91% 9% |
| 29 | 17 | 48 | 83% 15% |
| 29 | 27 | 48 | 2% 85% 15% |
| 30 | 18 | 64 | 89% 11% |
| 30 | 28 | 64 | 92% 8% |
| 31 | 19 | 37 | 86% 14% |
| 31 | 29 | 37 | 8% 89% 11% |
| 32 | 1a | 1507 | 2% 58% 36% 5% |
| 32 | 2a | 1507 | 2% 62% 32% 6% |
| 33 | 1b | 231 | 3% 82% 16% |
| 33 | 2b | 231 | 3% 81% 18% |
| 34 | 1c | 206 | 2% 91% 9% |
| 34 | 2c | 206 | 5% 93% 6% |
| 35 | 1d | 208 | 84% 15% |
| 35 | 2d | 208 | 87% 12% |
| 36 | 1e | 148 | 93% 7% |
| 36 | 2e | 148 | 91% 9% |
| 37 | 1f | 100 | 92% 8% |
| 37 | 2f | 100 | 94% 6% |
| 38 | 1g | 155 | 3% 92% 8% |
| 38 | 2g | 155 | 10% 93% 6% |
| 39 | 1h | 137 | 93% 7% |
| 39 | 2h | 137 | 93% 7% |
| 40 | 1i | 127 | 6% 84% 15% |
| 40 | 2i | 127 | 11% 87% 12% |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|-------------------|
| 41 | 1j | 97 | 12% 92% 7% |
| 41 | 2j | 97 | 15% 89% 11% |
| 42 | 1k | 114 | 95% 5% |
| 42 | 2k | 114 | 2% 92% 8% |
| 43 | 1l | 122 | % 93% 7% |
| 43 | 2l | 122 | 93% 7% |
| 44 | 1m | 116 | 5% 92% 7% |
| 44 | 2m | 116 | 11% 91% 6% |
| 45 | 1n | 60 | 3% 87% 13% |
| 45 | 2n | 60 | 8% 88% 12% |
| 46 | 1o | 88 | % 94% 6% |
| 46 | 2o | 88 | 95% 5% |
| 47 | 1p | 82 | 4% 80% 20% |
| 47 | 2p | 82 | 4% 83% 17% |
| 48 | 1q | 99 | % 91% 9% |
| 48 | 2q | 99 | 92% 8% |
| 49 | 1r | 68 | 90% 10% |
| 49 | 2r | 68 | 3% 90% 10% |
| 50 | 1s | 83 | 11% 90% 8% |
| 50 | 2s | 83 | 39% 90% 10% |
| 51 | 1t | 96 | 2% 90% 8% |
| 51 | 2t | 96 | % 91% 7% |
| 52 | 1u | 23 | 13% 87% 13% |
| 52 | 2u | 23 | 61% 91% 9% |
| 53 | 1y | 22 | 5% 50% 50% |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 54 | 1z | 97 | <p>97%</p> |
| 54 | 2z | 97 | <p>98%</p> |

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|------|-----------|----------|---------|------------------|
| 55 | MG | 1A | 3032 | - | - | - | X |
| 55 | MG | 1A | 3040 | - | - | - | X |
| 55 | MG | 1A | 3048 | - | - | - | X |
| 55 | MG | 1A | 3074 | - | - | - | X |
| 55 | MG | 1A | 3081 | - | - | - | X |
| 55 | MG | 1A | 3085 | - | - | - | X |
| 55 | MG | 1A | 3122 | - | - | - | X |
| 55 | MG | 1A | 3173 | - | - | - | X |
| 55 | MG | 1A | 3184 | - | - | - | X |
| 55 | MG | 1A | 3253 | - | - | - | X |
| 55 | MG | 1A | 3480 | - | - | - | X |
| 55 | MG | 1A | 3493 | - | - | - | X |
| 55 | MG | 1A | 3528 | - | - | - | X |
| 55 | MG | 1A | 3553 | - | - | - | X |
| 55 | MG | 1A | 3562 | - | - | - | X |
| 55 | MG | 1A | 3584 | - | - | - | X |
| 55 | MG | 1A | 3602 | - | - | - | X |
| 55 | MG | 1A | 3638 | - | - | - | X |
| 55 | MG | 1A | 3650 | - | - | - | X |
| 55 | MG | 1A | 3717 | - | - | - | X |
| 55 | MG | 1A | 3780 | - | - | - | X |
| 55 | MG | 1A | 3912 | - | - | - | X |
| 55 | MG | 1A | 3946 | - | - | - | X |
| 55 | MG | 1A | 3957 | - | - | - | X |
| 55 | MG | 1B | 217 | - | - | - | X |
| 55 | MG | 1Q | 203 | - | - | - | X |
| 55 | MG | 1X | 102 | - | - | - | X |
| 55 | MG | 1a | 1632 | - | - | - | X |
| 55 | MG | 1a | 1640 | - | - | - | X |
| 55 | MG | 1a | 1644 | - | - | - | X |
| 55 | MG | 1a | 1661 | - | - | - | X |
| 55 | MG | 1a | 1666 | - | - | - | X |
| 55 | MG | 1a | 1669 | - | - | - | X |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|------|-----------|----------|---------|------------------|
| 55 | MG | 1a | 1676 | - | - | - | X |
| 55 | MG | 1a | 1680 | - | - | - | X |
| 55 | MG | 1a | 1684 | - | - | - | X |
| 55 | MG | 1a | 1770 | - | - | - | X |
| 55 | MG | 1a | 1806 | - | - | - | X |
| 55 | MG | 1a | 1835 | - | - | - | X |
| 55 | MG | 1d | 303 | - | - | - | X |
| 55 | MG | 23 | 102 | - | - | - | X |
| 55 | MG | 29 | 101 | - | - | - | X |
| 55 | MG | 29 | 104 | - | - | - | X |
| 55 | MG | 2A | 3022 | - | - | - | X |
| 55 | MG | 2A | 3025 | - | - | - | X |
| 55 | MG | 2A | 3051 | - | - | - | X |
| 55 | MG | 2A | 3098 | - | - | - | X |
| 55 | MG | 2A | 3109 | - | - | - | X |
| 55 | MG | 2A | 3116 | - | - | - | X |
| 55 | MG | 2A | 3152 | - | - | - | X |
| 55 | MG | 2A | 3164 | - | - | - | X |
| 55 | MG | 2A | 3176 | - | - | - | X |
| 55 | MG | 2A | 3177 | - | - | - | X |
| 55 | MG | 2A | 3187 | - | - | - | X |
| 55 | MG | 2A | 3194 | - | - | - | X |
| 55 | MG | 2A | 3199 | - | - | - | X |
| 55 | MG | 2A | 3202 | - | - | - | X |
| 55 | MG | 2A | 3230 | - | - | - | X |
| 55 | MG | 2A | 3232 | - | - | - | X |
| 55 | MG | 2A | 3250 | - | - | - | X |
| 55 | MG | 2A | 3279 | - | - | - | X |
| 55 | MG | 2A | 3404 | - | - | - | X |
| 55 | MG | 2A | 3413 | - | - | - | X |
| 55 | MG | 2A | 3419 | - | - | - | X |
| 55 | MG | 2A | 3559 | - | - | - | X |
| 55 | MG | 2A | 3591 | - | - | - | X |
| 55 | MG | 2A | 3594 | - | - | - | X |
| 55 | MG | 2A | 3599 | - | - | - | X |
| 55 | MG | 2A | 3641 | - | - | - | X |
| 55 | MG | 2A | 3644 | - | - | - | X |
| 55 | MG | 2A | 3650 | - | - | - | X |
| 55 | MG | 2A | 3694 | - | - | - | X |
| 55 | MG | 2A | 3720 | - | - | - | X |
| 55 | MG | 2A | 3727 | - | - | - | X |
| 55 | MG | 2A | 3751 | - | - | - | X |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|------|-----------|----------|---------|------------------|
| 55 | MG | 2A | 3753 | - | - | - | X |
| 55 | MG | 2A | 3764 | - | - | - | X |
| 55 | MG | 2A | 3781 | - | - | - | X |
| 55 | MG | 2A | 3782 | - | - | - | X |
| 55 | MG | 2A | 3784 | - | - | - | X |
| 55 | MG | 2A | 3795 | - | - | - | X |
| 55 | MG | 2A | 3800 | - | - | - | X |
| 55 | MG | 2A | 3819 | - | - | - | X |
| 55 | MG | 2A | 3907 | - | - | - | X |
| 55 | MG | 2A | 3911 | - | - | - | X |
| 55 | MG | 2A | 3915 | - | - | - | X |
| 55 | MG | 2A | 3929 | - | - | - | X |
| 55 | MG | 2A | 3931 | - | - | - | X |
| 55 | MG | 2A | 3939 | - | - | - | X |
| 55 | MG | 2A | 3941 | - | - | - | X |
| 55 | MG | 2A | 3944 | - | - | - | X |
| 55 | MG | 2A | 3945 | - | - | - | X |
| 55 | MG | 2A | 3969 | - | - | - | X |
| 55 | MG | 2B | 3008 | - | - | - | X |
| 55 | MG | 2B | 3009 | - | - | - | X |
| 55 | MG | 2B | 3014 | - | - | - | X |
| 55 | MG | 2B | 3016 | - | - | - | X |
| 55 | MG | 2B | 3026 | - | - | - | X |
| 55 | MG | 2D | 308 | - | - | - | X |
| 55 | MG | 2F | 310 | - | - | - | X |
| 55 | MG | 2H | 8001 | - | - | - | X |
| 55 | MG | 2Y | 201 | - | - | - | X |
| 55 | MG | 2a | 1617 | - | - | - | X |
| 55 | MG | 2a | 1619 | - | - | - | X |
| 55 | MG | 2a | 1624 | - | - | - | X |
| 55 | MG | 2a | 1631 | - | - | - | X |
| 55 | MG | 2a | 1635 | - | - | - | X |
| 55 | MG | 2a | 1639 | - | - | - | X |
| 55 | MG | 2a | 1640 | - | - | - | X |
| 55 | MG | 2a | 1643 | - | - | - | X |
| 55 | MG | 2a | 1651 | - | - | - | X |
| 55 | MG | 2a | 1663 | - | - | - | X |
| 55 | MG | 2a | 1665 | - | - | - | X |
| 55 | MG | 2a | 1668 | - | - | - | X |
| 55 | MG | 2a | 1672 | - | - | - | X |
| 55 | MG | 2a | 1796 | - | - | - | X |
| 55 | MG | 2a | 1827 | - | - | - | X |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|------------|-------------|--------------|------------|------------------|-----------------|----------------|-------------------------|
| 55 | MG | 2a | 1828 | - | - | - | X |
| 55 | MG | 2a | 1834 | - | - | - | X |
| 55 | MG | 2d | 504 | - | - | - | X |
| 55 | MG | 2i | 3001 | - | - | - | X |
| 55 | MG | 2z | 101 | - | - | - | X |

2 Entry composition [i](#)

There are 58 unique types of molecules in this entry. The entry contains 294294 atoms, of which 0 are hydrogens and 0 are deuteriums.

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 23S ribosomal RNA.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-------|-------|-------|------|---------|---------|-------|
| | | | Total | C | N | O | P | | | |
| 1 | 1A | 2872 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 61872 | 27540 | 11574 | 19886 | 2872 | | | |
| 1 | 2A | 2872 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 61872 | 27540 | 11574 | 19886 | 2872 | | | |

There are 4 discrepancies between the modelled and reference sequences:

| Chain | Residue | Modelled | Actual | Comment | Reference |
|-------|---------|----------|--------|----------|-------------|
| 1A | 652R | G | C | conflict | GB 37223181 |
| 1A | 1227 | G | UNK | conflict | GB 37223181 |
| 2A | 652R | G | C | conflict | GB 37223181 |
| 2A | 1227 | G | UNK | conflict | GB 37223181 |

- Molecule 2 is a RNA chain called 5S ribosomal RNA.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|-----|---------|---------|-------|
| | | | Total | C | N | O | P | | | |
| 2 | 1B | 120 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 2575 | 1145 | 476 | 834 | 120 | | | |
| 2 | 2B | 120 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 2575 | 1145 | 476 | 834 | 120 | | | |

- Molecule 3 is a protein called 50S ribosomal protein L2.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 3 | 1D | 275 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 2131 | 1346 | 422 | 360 | 3 | | | |
| 3 | 2D | 275 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 2131 | 1346 | 422 | 360 | 3 | | | |

- Molecule 4 is a protein called 50S ribosomal protein L3.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 4 | 1E | 204 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1559 | 985 | 298 | 270 | 6 | | | |
| 4 | 2E | 204 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1559 | 985 | 298 | 270 | 6 | | | |

- Molecule 5 is a protein called 50S ribosomal protein L4.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|---------|-------|
| 5 | 1F | 203 | Total | C | N | O | S | 0 | 0 | 1 |
| | | | 1584 | 1009 | 298 | 275 | 2 | | | |
| 5 | 2F | 203 | Total | C | N | O | S | 0 | 0 | 1 |
| | | | 1584 | 1009 | 298 | 275 | 2 | | | |

- Molecule 6 is a protein called 50S ribosomal protein L5.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 6 | 1G | 181 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1426 | 916 | 253 | 253 | 4 | | | |
| 6 | 2G | 181 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1426 | 916 | 253 | 253 | 4 | | | |

- Molecule 7 is a protein called 50S ribosomal protein L6.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 7 | 1H | 174 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1330 | 845 | 248 | 236 | 1 | | | |
| 7 | 2H | 174 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1330 | 845 | 248 | 236 | 1 | | | |

- Molecule 8 is a protein called 50S ribosomal protein L9.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 8 | 1I | 147 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1094 | 699 | 191 | 203 | 1 | | | |
| 8 | 2I | 147 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1094 | 699 | 191 | 203 | 1 | | | |

- Molecule 9 is a protein called 50S ribosomal protein L13.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 9 | 1N | 140 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1121 | 722 | 208 | 187 | 4 | | | |

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| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 9 | 2N | 140 | 1121 | 722 | 208 | 187 | 4 | 0 | 0 | 0 |

- Molecule 10 is a protein called 50S ribosomal protein L14.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 10 | 1O | 122 | 933 | 588 | 171 | 170 | 4 | 0 | 0 | 0 |
| 10 | 2O | 122 | 933 | 588 | 171 | 170 | 4 | 0 | 0 | 0 |

- Molecule 11 is a protein called 50S ribosomal protein L15.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 11 | 1P | 149 | 1135 | 706 | 230 | 196 | 3 | 0 | 0 | 0 |
| 11 | 2P | 149 | 1135 | 706 | 230 | 196 | 3 | 0 | 0 | 0 |

- Molecule 12 is a protein called 50S ribosomal protein L16.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 12 | 1Q | 141 | 1122 | 715 | 212 | 188 | 7 | 0 | 0 | 0 |
| 12 | 2Q | 141 | 1122 | 715 | 212 | 188 | 7 | 0 | 0 | 0 |

- Molecule 13 is a protein called 50S ribosomal protein L17.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 13 | 1R | 118 | 968 | 604 | 203 | 160 | 1 | 0 | 0 | 0 |
| 13 | 2R | 118 | 968 | 604 | 203 | 160 | 1 | 0 | 0 | 0 |

- Molecule 14 is a protein called 50S ribosomal protein L18.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|---------|-------|
| | | | Total | C | N | O | | | |
| 14 | 1S | 110 | 877 | 553 | 175 | 149 | 0 | 0 | 0 |
| 14 | 2S | 110 | 877 | 553 | 175 | 149 | 0 | 0 | 0 |

- Molecule 15 is a protein called 50S ribosomal protein L19.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|---------------|----------|----------|----------|--------|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 15 | 1T | 131 | Total 1091 | C 680 | N 225 | O 185 | S 1 | 0 | 0 | 0 |
| 15 | 2T | 131 | Total 1091 | C 680 | N 225 | O 185 | S 1 | 0 | 0 | 0 |

- Molecule 16 is a protein called 50S ribosomal protein L20.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|--------------|----------|----------|----------|--------|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 16 | 1U | 116 | Total 959 | C 608 | N 201 | O 149 | S 1 | 0 | 0 | 0 |
| 16 | 2U | 116 | Total 959 | C 608 | N 201 | O 149 | S 1 | 0 | 0 | 0 |

- Molecule 17 is a protein called 50S ribosomal protein L21.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|--------------|----------|----------|----------|--------|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 17 | 1V | 101 | Total 775 | C 498 | N 141 | O 135 | S 1 | 0 | 0 | 0 |
| 17 | 2V | 101 | Total 775 | C 498 | N 141 | O 135 | S 1 | 0 | 0 | 0 |

- Molecule 18 is a protein called 50S ribosomal protein L22.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|--------------|----------|----------|----------|--------|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 18 | 1W | 112 | Total 886 | C 557 | N 174 | O 153 | S 2 | 0 | 0 | 0 |
| 18 | 2W | 112 | Total 886 | C 557 | N 174 | O 153 | S 2 | 0 | 0 | 0 |

- Molecule 19 is a protein called 50S ribosomal protein L23.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|--------------|----------|----------|----------|--------|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 19 | 1X | 95 | Total 750 | C 488 | N 135 | O 126 | S 1 | 0 | 0 | 0 |
| 19 | 2X | 95 | Total 750 | C 488 | N 135 | O 126 | S 1 | 0 | 0 | 0 |

- Molecule 20 is a protein called 50S ribosomal protein L24.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 20 | 1Y | 107 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 810 | 520 | 153 | 131 | 6 | | | |
| 20 | 2Y | 107 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 810 | 520 | 153 | 131 | 6 | | | |

- Molecule 21 is a protein called 50S ribosomal protein L25.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|---------|-------|
| 21 | 1Z | 203 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1587 | 1011 | 282 | 292 | 2 | | | |
| 21 | 2Z | 203 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1587 | 1011 | 282 | 292 | 2 | | | |

- Molecule 22 is a protein called 50S ribosomal protein L27.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 22 | 10 | 77 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 608 | 375 | 129 | 103 | 1 | | | |
| 22 | 20 | 77 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 608 | 375 | 129 | 103 | 1 | | | |

- Molecule 23 is a protein called 50S ribosomal protein L28.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 23 | 11 | 97 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 754 | 475 | 148 | 130 | 1 | | | |
| 23 | 21 | 97 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 754 | 475 | 148 | 130 | 1 | | | |

- Molecule 24 is a protein called 50S ribosomal protein L29.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 24 | 12 | 70 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 588 | 365 | 118 | 103 | 2 | | | |
| 24 | 22 | 70 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 588 | 365 | 118 | 103 | 2 | | | |

- Molecule 25 is a protein called 50S ribosomal protein L30.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---------|---------|-------|
| 25 | 13 | 59 | Total | C | N | O | 0 | 0 | 0 |
| | | | 469 | 298 | 90 | 81 | | | |

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| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---------|---------|-------|
| | | | Total | C | N | O | | | |
| 25 | 23 | 59 | 469 | 298 | 90 | 81 | 0 | 0 | 0 |

- Molecule 26 is a protein called 50S ribosomal protein L31.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 26 | 14 | 69 | 546 | 346 | 96 | 99 | 5 | 0 | 0 | 0 |
| 26 | 24 | 69 | 546 | 346 | 96 | 99 | 5 | 0 | 0 | 0 |

- Molecule 27 is a protein called 50S ribosomal protein L32.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 27 | 15 | 59 | 459 | 288 | 90 | 76 | 5 | 0 | 0 | 0 |
| 27 | 25 | 59 | 459 | 288 | 90 | 76 | 5 | 0 | 0 | 0 |

- Molecule 28 is a protein called 50S ribosomal protein L33.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 28 | 16 | 53 | 453 | 281 | 91 | 77 | 4 | 0 | 0 | 0 |
| 28 | 26 | 53 | 453 | 281 | 91 | 77 | 4 | 0 | 0 | 0 |

- Molecule 29 is a protein called 50S ribosomal protein L34.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 29 | 17 | 48 | 418 | 257 | 104 | 55 | 2 | 0 | 0 | 0 |
| 29 | 27 | 48 | 418 | 257 | 104 | 55 | 2 | 0 | 0 | 0 |

- Molecule 30 is a protein called 50S ribosomal protein L35.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|----|---|---------|---------|-------|
| | | | Total | C | N | O | S | | | |
| 30 | 18 | 64 | 517 | 331 | 102 | 82 | 2 | 0 | 0 | 0 |
| 30 | 28 | 64 | 517 | 331 | 102 | 82 | 2 | 0 | 0 | 0 |

- Molecule 31 is a protein called 50S ribosomal protein L36.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|---------|-------|
| 31 | 19 | 37 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 307 | 188 | 68 | 47 | 4 | | | |
| 31 | 29 | 37 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 307 | 188 | 68 | 47 | 4 | | | |

- Molecule 32 is a RNA chain called 16 ribosomal RNA.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-------|------|-------|------|---------|---------|-------|
| 32 | 1a | 1500 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 32246 | 14358 | 5975 | 10413 | 1500 | | | |
| 32 | 2a | 1500 | Total | C | N | O | P | 0 | 0 | 0 |
| | | | 32246 | 14358 | 5975 | 10413 | 1500 | | | |

- Molecule 33 is a protein called 30S ribosomal protein S2.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|---------|-------|
| 33 | 1b | 231 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1842 | 1175 | 330 | 332 | 5 | | | |
| 33 | 2b | 231 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1842 | 1175 | 330 | 332 | 5 | | | |

- Molecule 34 is a protein called 30S ribosomal protein S3.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 34 | 1c | 206 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1558 | 979 | 305 | 273 | 1 | | | |
| 34 | 2c | 206 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1558 | 979 | 305 | 273 | 1 | | | |

- Molecule 35 is a protein called 30S ribosomal protein S4.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|---------|-------|
| 35 | 1d | 208 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1665 | 1043 | 329 | 286 | 7 | | | |
| 35 | 2d | 208 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1665 | 1043 | 329 | 286 | 7 | | | |

- Molecule 36 is a protein called 30S ribosomal protein S5.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 36 | 1e | 148 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1133 | 716 | 214 | 199 | 4 | | | |
| 36 | 2e | 148 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1133 | 716 | 214 | 199 | 4 | | | |

- Molecule 37 is a protein called 30S ribosomal protein S6.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 37 | 1f | 100 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 814 | 516 | 144 | 151 | 3 | | | |
| 37 | 2f | 100 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 814 | 516 | 144 | 151 | 3 | | | |

- Molecule 38 is a protein called 30S ribosomal protein S7.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 38 | 1g | 155 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1235 | 769 | 244 | 216 | 6 | | | |
| 38 | 2g | 155 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1235 | 769 | 244 | 216 | 6 | | | |

- Molecule 39 is a protein called 30S ribosomal protein S8.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 39 | 1h | 137 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1098 | 694 | 210 | 192 | 2 | | | |
| 39 | 2h | 137 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 1098 | 694 | 210 | 192 | 2 | | | |

- Molecule 40 is a protein called 30S ribosomal protein S9.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|---------|-------|
| 40 | 1i | 127 | Total | C | N | O | 0 | 0 | 0 |
| | | | 986 | 625 | 193 | 168 | | | |
| 40 | 2i | 127 | Total | C | N | O | 0 | 0 | 0 |
| | | | 986 | 625 | 193 | 168 | | | |

- Molecule 41 is a protein called 30S ribosomal protein S10.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|---------|-------|
| 41 | 1j | 97 | Total | C | N | O | 0 | 0 | 0 |
| | | | 719 | 446 | 142 | 131 | | | |

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| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|---------|-------|
| 41 | 2j | 97 | Total | C | N | O | 0 | 0 | 0 |
| | | | 719 | 446 | 142 | 131 | | | |

- Molecule 42 is a protein called 30S ribosomal protein S11.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 42 | 1k | 114 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 834 | 520 | 156 | 155 | 3 | | | |
| 42 | 2k | 114 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 834 | 520 | 156 | 155 | 3 | | | |

- Molecule 43 is a protein called 30S ribosomal protein S12.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 43 | 1l | 122 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 932 | 586 | 185 | 159 | 2 | | | |
| 43 | 2l | 122 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 932 | 586 | 185 | 159 | 2 | | | |

- Molecule 44 is a protein called 30S ribosomal protein S13.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 44 | 1m | 116 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 914 | 564 | 189 | 159 | 2 | | | |
| 44 | 2m | 116 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 914 | 564 | 189 | 159 | 2 | | | |

- Molecule 45 is a protein called 30S ribosomal protein S14 type Z.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|----|---|---------|---------|-------|
| 45 | 1n | 60 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 492 | 312 | 104 | 72 | 4 | | | |
| 45 | 2n | 60 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 492 | 312 | 104 | 72 | 4 | | | |

- Molecule 46 is a protein called 30S ribosomal protein S15.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 46 | 1o | 88 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 728 | 456 | 144 | 126 | 2 | | | |
| 46 | 2o | 88 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 728 | 456 | 144 | 126 | 2 | | | |

- Molecule 47 is a protein called 30S ribosomal protein S16.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 47 | 1p | 82 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 681 | 433 | 134 | 113 | 1 | | | |
| 47 | 2p | 82 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 681 | 433 | 134 | 113 | 1 | | | |

- Molecule 48 is a protein called 30S ribosomal protein S17.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 48 | 1q | 99 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 823 | 528 | 151 | 142 | 2 | | | |
| 48 | 2q | 99 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 823 | 528 | 151 | 142 | 2 | | | |

- Molecule 49 is a protein called 30S ribosomal protein S18.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|----|---------|---------|-------|
| 49 | 1r | 68 | Total | C | N | O | 0 | 0 | 0 |
| | | | 555 | 355 | 108 | 92 | | | |
| 49 | 2r | 68 | Total | C | N | O | 0 | 0 | 0 |
| | | | 555 | 355 | 108 | 92 | | | |

- Molecule 50 is a protein called 30S ribosomal protein S19.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 50 | 1s | 83 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 648 | 415 | 120 | 111 | 2 | | | |
| 50 | 2s | 83 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 648 | 415 | 120 | 111 | 2 | | | |

- Molecule 51 is a protein called 30S ribosomal protein S20.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 51 | 1t | 96 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 732 | 449 | 157 | 124 | 2 | | | |
| 51 | 2t | 96 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 732 | 449 | 157 | 124 | 2 | | | |

- Molecule 52 is a protein called 30S ribosomal protein Thx.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---------|---------|-------|
| 52 | 1u | 23 | Total | C | N | O | 0 | 0 | 0 |
| | | | 199 | 122 | 48 | 29 | | | |
| 52 | 2u | 23 | Total | C | N | O | 0 | 0 | 0 |
| | | | 199 | 122 | 48 | 29 | | | |

- Molecule 53 is a protein called Tur1A peptide.

| Mol | Chain | Residues | Atoms | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---------|---------|-------|
| 53 | 1y | 22 | Total | C | N | O | 0 | 0 | 0 |
| | | | 168 | 111 | 34 | 23 | | | |

- Molecule 54 is a protein called Ribosome-associated inhibitor A.

| Mol | Chain | Residues | Atoms | | | | | ZeroOcc | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|---------|-------|
| 54 | 1z | 97 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 764 | 478 | 144 | 139 | 3 | | | |
| 54 | 2z | 97 | Total | C | N | O | S | 0 | 0 | 0 |
| | | | 764 | 478 | 144 | 139 | 3 | | | |

- Molecule 55 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|-------|-----|---------|---------|
| 55 | 1A | 957 | Total | Mg | 0 | 0 |
| | | | 957 | 957 | | |
| 55 | 1B | 28 | Total | Mg | 0 | 0 |
| | | | 28 | 28 | | |
| 55 | 1D | 17 | Total | Mg | 0 | 0 |
| | | | 17 | 17 | | |
| 55 | 1E | 5 | Total | Mg | 0 | 0 |
| | | | 5 | 5 | | |
| 55 | 1F | 14 | Total | Mg | 0 | 0 |
| | | | 14 | 14 | | |
| 55 | 1G | 3 | Total | Mg | 0 | 0 |
| | | | 3 | 3 | | |
| 55 | 1H | 2 | Total | Mg | 0 | 0 |
| | | | 2 | 2 | | |
| 55 | 1N | 4 | Total | Mg | 0 | 0 |
| | | | 4 | 4 | | |
| 55 | 1P | 4 | Total | Mg | 0 | 0 |
| | | | 4 | 4 | | |
| 55 | 1Q | 4 | Total | Mg | 0 | 0 |
| | | | 4 | 4 | | |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|--------------|-----------|---------|---------|
| 55 | 1R | 4 | Total 4 | Mg 4 | 0 | 0 |
| 55 | 1T | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 1U | 5 | Total 5 | Mg 5 | 0 | 0 |
| 55 | 1V | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 1W | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 1X | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 1Y | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 10 | 7 | Total 7 | Mg 7 | 0 | 0 |
| 55 | 11 | 4 | Total 4 | Mg 4 | 0 | 0 |
| 55 | 13 | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 15 | 5 | Total 5 | Mg 5 | 0 | 0 |
| 55 | 17 | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 18 | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 19 | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 1a | 245 | Total 245 | Mg 245 | 0 | 0 |
| 55 | 1b | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1d | 5 | Total 5 | Mg 5 | 0 | 0 |
| 55 | 1e | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1f | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1g | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1h | 1 | Total 1 | Mg 1 | 0 | 0 |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|--------------|-----------|---------|---------|
| 55 | 1i | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1k | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1l | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 1n | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 1o | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 1t | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2A | 971 | Total 971 | Mg 971 | 0 | 0 |
| 55 | 2B | 26 | Total 26 | Mg 26 | 0 | 0 |
| 55 | 2D | 17 | Total 17 | Mg 17 | 0 | 0 |
| 55 | 2E | 6 | Total 6 | Mg 6 | 0 | 0 |
| 55 | 2F | 11 | Total 11 | Mg 11 | 0 | 0 |
| 55 | 2G | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2H | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2N | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2P | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2Q | 4 | Total 4 | Mg 4 | 0 | 0 |
| 55 | 2R | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2S | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2T | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2U | 5 | Total 5 | Mg 5 | 0 | 0 |
| 55 | 2V | 5 | Total 5 | Mg 5 | 0 | 0 |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|--------------|-----------|---------|---------|
| 55 | 2W | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2X | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2Y | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 20 | 5 | Total 5 | Mg 5 | 0 | 0 |
| 55 | 21 | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 23 | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 25 | 4 | Total 4 | Mg 4 | 0 | 0 |
| 55 | 27 | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 28 | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 29 | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2a | 242 | Total 242 | Mg 242 | 0 | 0 |
| 55 | 2b | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2d | 3 | Total 3 | Mg 3 | 0 | 0 |
| 55 | 2e | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2f | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2g | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2h | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2i | 1 | Total 1 | Mg 1 | 0 | 0 |
| 55 | 2l | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2o | 2 | Total 2 | Mg 2 | 0 | 0 |
| 55 | 2t | 2 | Total 2 | Mg 2 | 0 | 0 |

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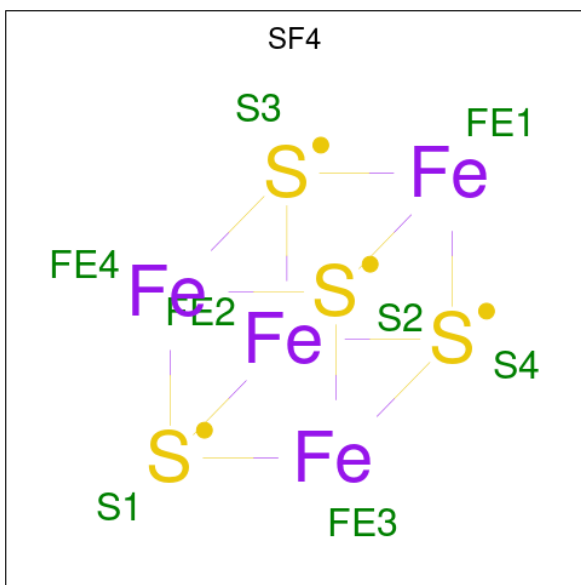
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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|------------|---------|---------|---------|
| 55 | 2z | 2 | Total 2 | Mg 2 | 0 | 0 |

- Molecule 56 is ZINC ION (three-letter code: ZN) (formula: Zn).

| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|------------|---------|---------|---------|
| 56 | 1Y | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 14 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 15 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 16 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 19 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 1n | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 2Y | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 24 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 25 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 26 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 29 | 1 | Total 1 | Zn 1 | 0 | 0 |
| 56 | 2n | 1 | Total 1 | Zn 1 | 0 | 0 |

- Molecule 57 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



| Mol | Chain | Residues | Atoms | ZeroOcc | AltConf |
|-----|-------|----------|---------------------|---------|---------|
| 57 | 1d | 1 | Total Fe S 8 4 4 | 0 | 0 |
| 57 | 2d | 1 | Total Fe S 8 4 4 | 0 | 0 |

- Molecule 58 is water.

| Mol | Chain | Residues | Atoms | ZeroOcc | AltConf |
|-----|-------|----------|----------------------|---------|---------|
| 58 | 1A | 1782 | Total O 1782 1782 | 0 | 0 |
| 58 | 1B | 45 | Total O 45 45 | 0 | 0 |
| 58 | 1D | 15 | Total O 15 15 | 0 | 0 |
| 58 | 1E | 18 | Total O 18 18 | 0 | 0 |
| 58 | 1F | 14 | Total O 14 14 | 0 | 0 |
| 58 | 1G | 2 | Total O 2 2 | 0 | 0 |
| 58 | 1H | 5 | Total O 5 5 | 0 | 0 |
| 58 | 1N | 7 | Total O 7 7 | 0 | 0 |
| 58 | 1P | 12 | Total O 12 12 | 0 | 0 |
| 58 | 1Q | 6 | Total O 6 6 | 0 | 0 |

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| Mol | Chain | Residues | Atoms | ZeroOcc | AltConf |
|-----|-------|----------|--------------------|---------|---------|
| 58 | 1R | 6 | Total O 6 6 | 0 | 0 |
| 58 | 1T | 5 | Total O 5 5 | 0 | 0 |
| 58 | 1U | 7 | Total O 7 7 | 0 | 0 |
| 58 | 1V | 3 | Total O 3 3 | 0 | 0 |
| 58 | 1W | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1X | 6 | Total O 6 6 | 0 | 0 |
| 58 | 1Y | 5 | Total O 5 5 | 0 | 0 |
| 58 | 10 | 6 | Total O 6 6 | 0 | 0 |
| 58 | 11 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 13 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 15 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 16 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 17 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 18 | 9 | Total O 9 9 | 0 | 0 |
| 58 | 19 | 2 | Total O 2 2 | 0 | 0 |
| 58 | 1a | 406 | Total O 406 406 | 0 | 0 |
| 58 | 1d | 8 | Total O 8 8 | 0 | 0 |
| 58 | 1e | 4 | Total O 4 4 | 0 | 0 |
| 58 | 1f | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1h | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1j | 1 | Total O 1 1 | 0 | 0 |

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Continued from previous page...

| Mol | Chain | Residues | Atoms | ZeroOcc | AltConf |
|-----|-------|----------|----------------------|---------|---------|
| 58 | 1l | 3 | Total O 3 3 | 0 | 0 |
| 58 | 1m | 3 | Total O 3 3 | 0 | 0 |
| 58 | 1n | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1o | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1p | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1t | 1 | Total O 1 1 | 0 | 0 |
| 58 | 1z | 3 | Total O 3 3 | 0 | 0 |
| 58 | 2A | 1771 | Total O 1771 1771 | 0 | 0 |
| 58 | 2B | 46 | Total O 46 46 | 0 | 0 |
| 58 | 2D | 14 | Total O 14 14 | 0 | 0 |
| 58 | 2E | 20 | Total O 20 20 | 0 | 0 |
| 58 | 2F | 12 | Total O 12 12 | 0 | 0 |
| 58 | 2G | 2 | Total O 2 2 | 0 | 0 |
| 58 | 2H | 4 | Total O 4 4 | 0 | 0 |
| 58 | 2N | 7 | Total O 7 7 | 0 | 0 |
| 58 | 2P | 11 | Total O 11 11 | 0 | 0 |
| 58 | 2Q | 7 | Total O 7 7 | 0 | 0 |
| 58 | 2R | 6 | Total O 6 6 | 0 | 0 |
| 58 | 2T | 5 | Total O 5 5 | 0 | 0 |
| 58 | 2U | 8 | Total O 8 8 | 0 | 0 |
| 58 | 2V | 5 | Total O 5 5 | 0 | 0 |

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| Mol | Chain | Residues | Atoms | | ZeroOcc | AltConf |
|-----|-------|----------|--------------|----------|---------|---------|
| 58 | 2W | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 2X | 7 | Total 7 | O 7 | 0 | 0 |
| 58 | 2Y | 5 | Total 5 | O 5 | 0 | 0 |
| 58 | 20 | 8 | Total 8 | O 8 | 0 | 0 |
| 58 | 21 | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 23 | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 25 | 4 | Total 4 | O 4 | 0 | 0 |
| 58 | 26 | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 27 | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 28 | 11 | Total 11 | O 11 | 0 | 0 |
| 58 | 29 | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 2a | 404 | Total 404 | O 404 | 0 | 0 |
| 58 | 2d | 8 | Total 8 | O 8 | 0 | 0 |
| 58 | 2e | 6 | Total 6 | O 6 | 0 | 0 |
| 58 | 2f | 1 | Total 1 | O 1 | 0 | 0 |
| 58 | 2h | 1 | Total 1 | O 1 | 0 | 0 |
| 58 | 2j | 1 | Total 1 | O 1 | 0 | 0 |
| 58 | 2l | 3 | Total 3 | O 3 | 0 | 0 |
| 58 | 2m | 2 | Total 2 | O 2 | 0 | 0 |
| 58 | 2n | 1 | Total 1 | O 1 | 0 | 0 |
| 58 | 2o | 3 | Total 3 | O 3 | 0 | 0 |

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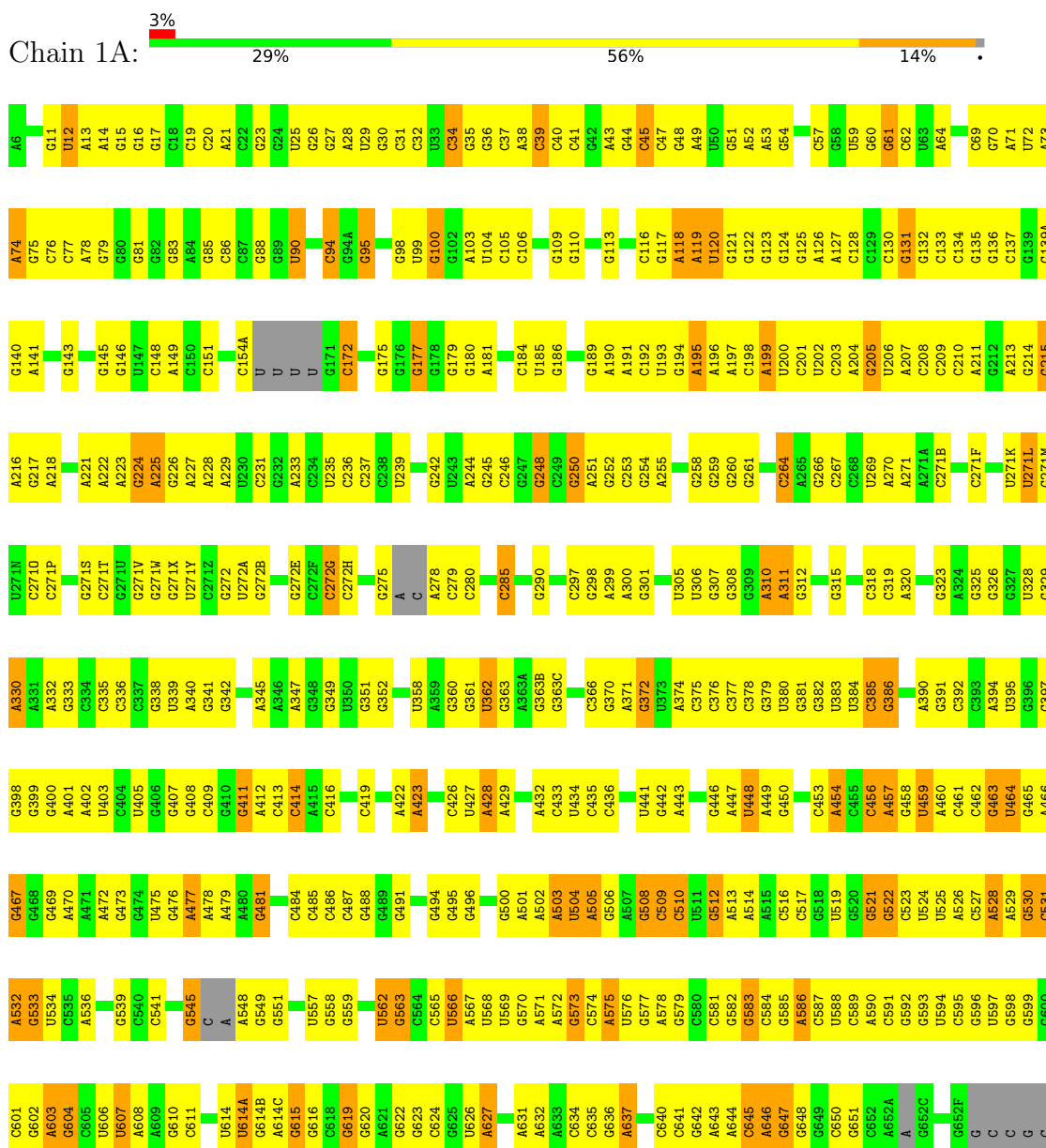
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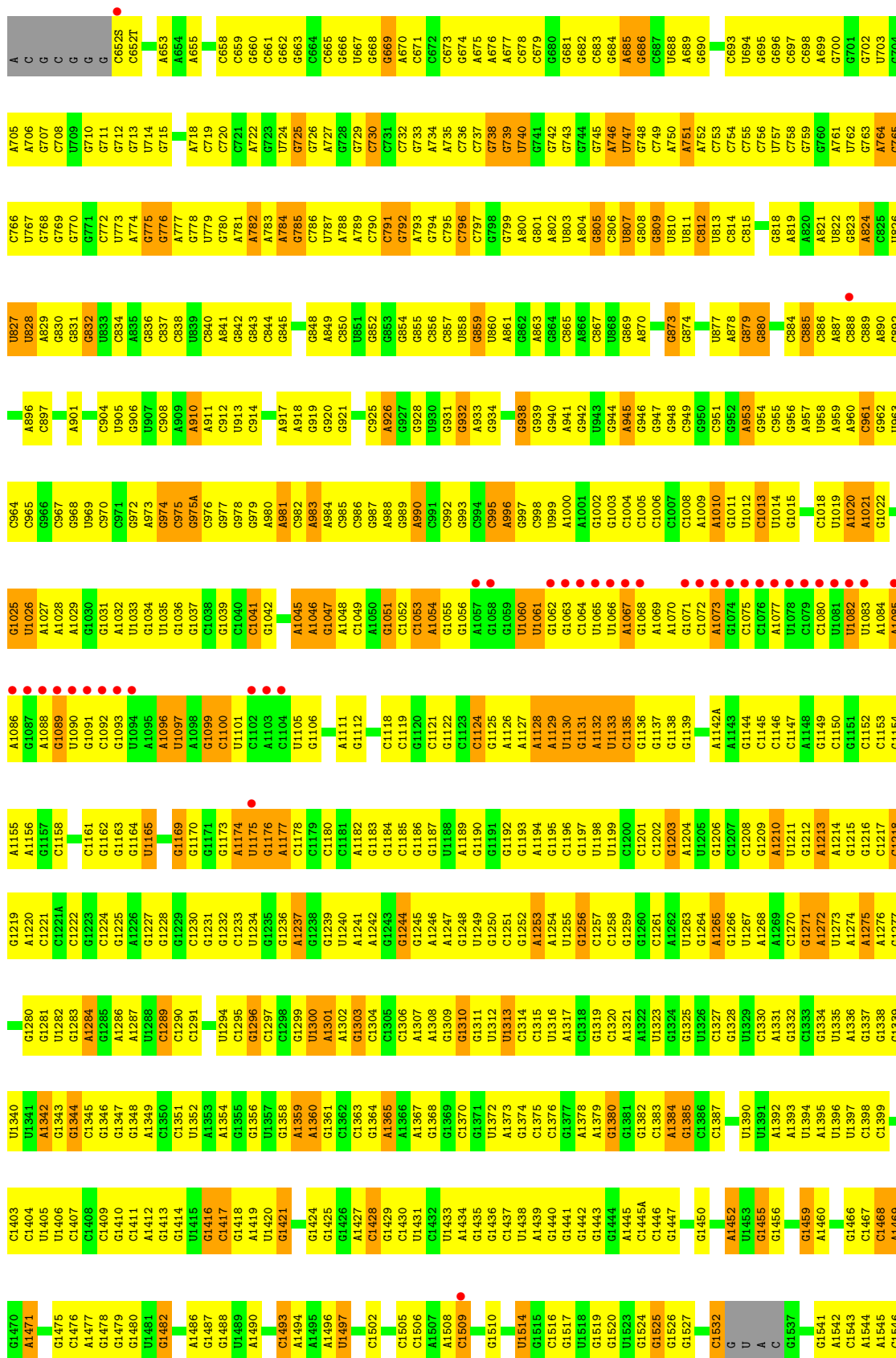
| Mol | Chain | Residues | Atoms | ZeroOcc | AltConf |
|------------|--------------|-----------------|----------------|----------------|----------------|
| 58 | 2p | 1 | Total O 1 1 | 0 | 0 |
| 58 | 2z | 4 | Total O 4 4 | 0 | 0 |

3 Residue-property plots

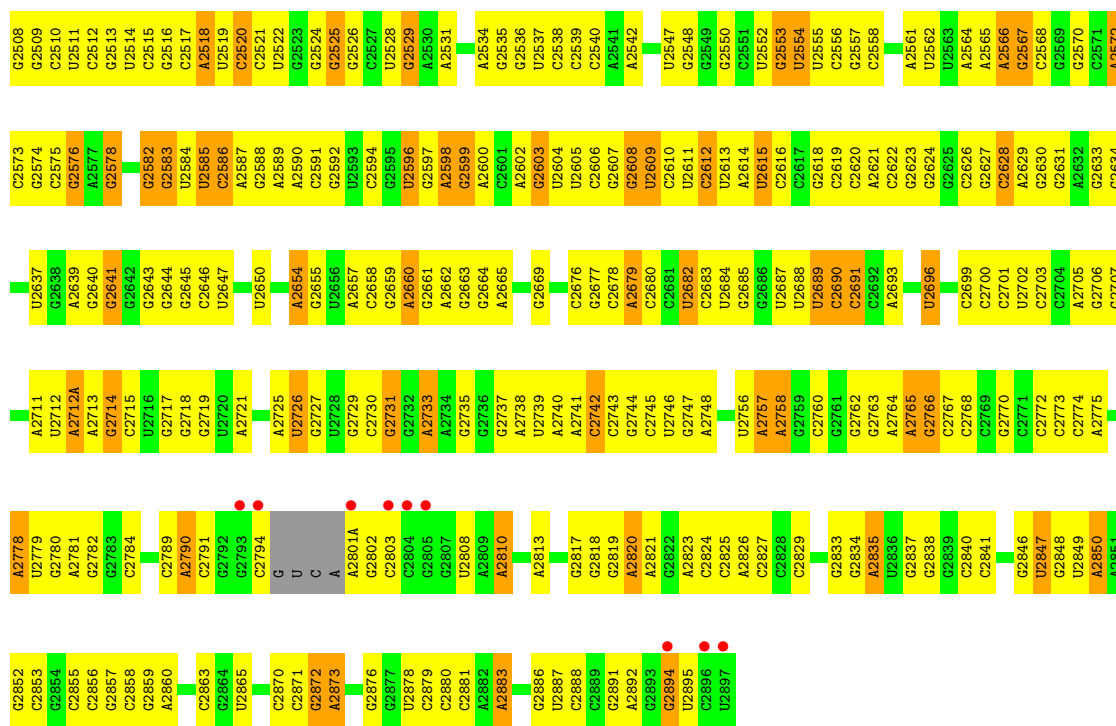
These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. 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.

- Molecule 1: 23S ribosomal RNA

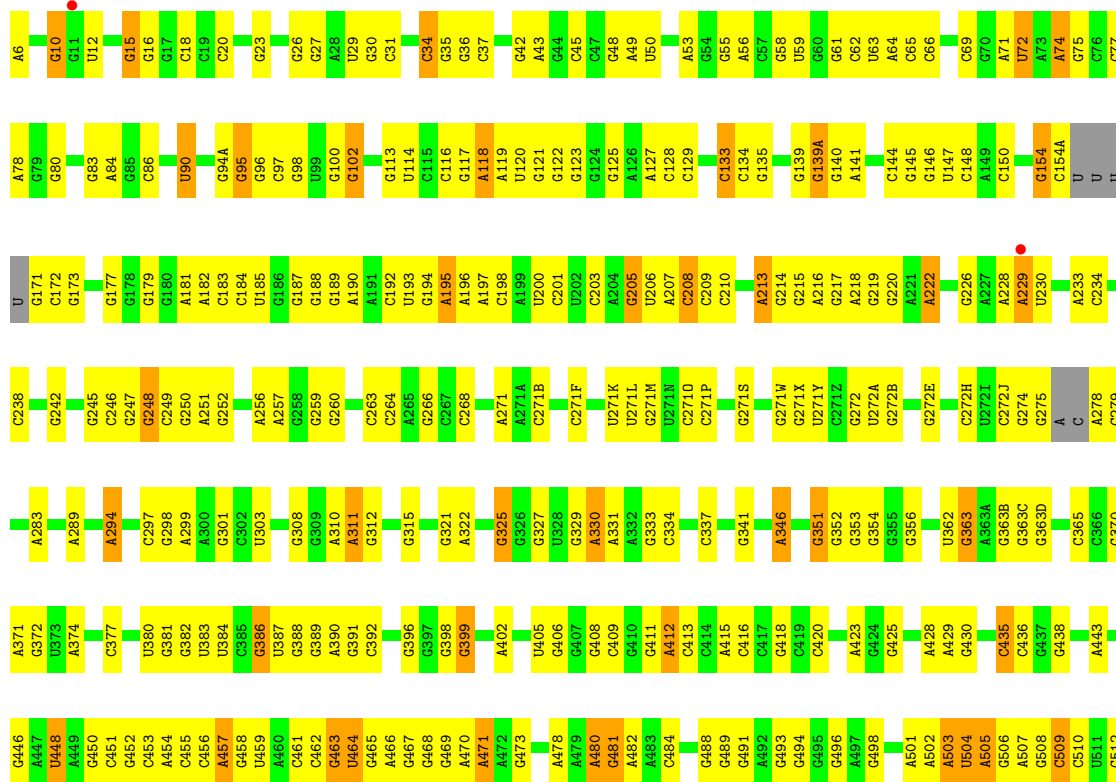


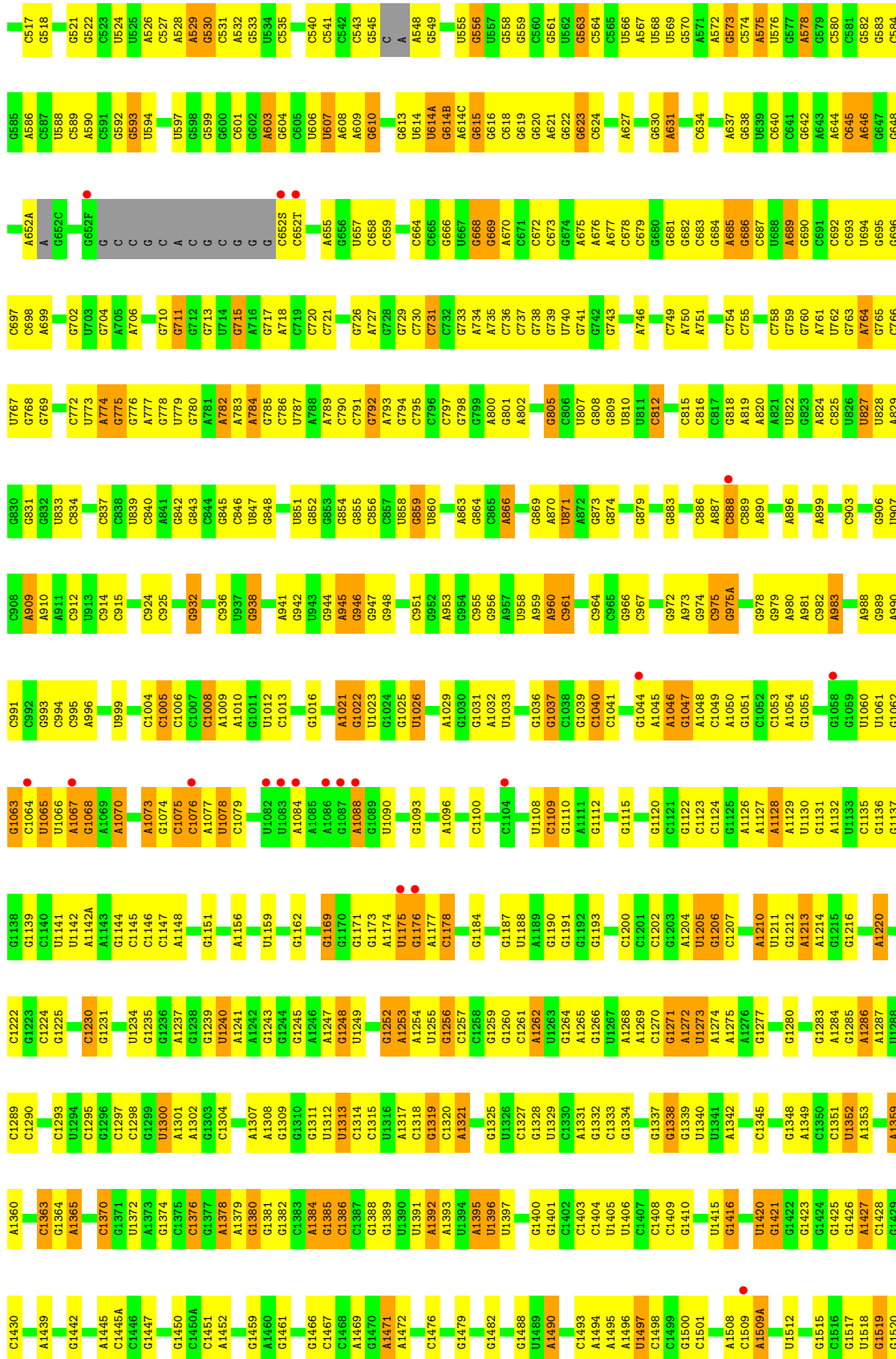


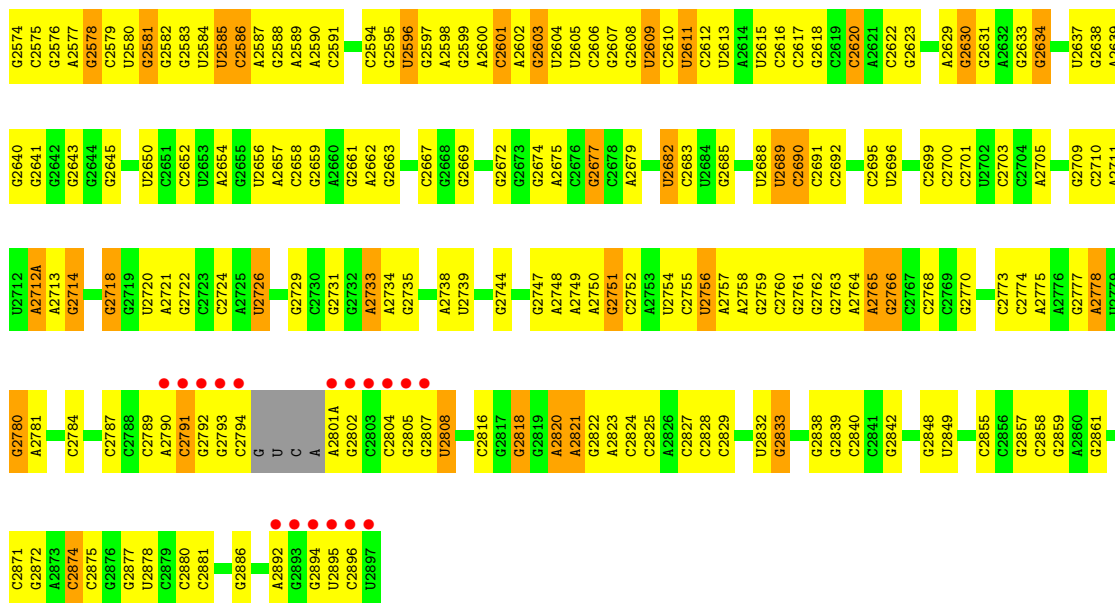
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C2442 | C2443 | C2444 | C2445 | C2446 | C2447 | C2448 | U2449 | A2450 | A2451 | C2452 | C2453 | C2454 | C2455 | C2456 | C2380 | C2381 | C2382 | G2383 | C2384 | C2385 | C2386 | C2387 | A2388 | C2389 | C2390 | C2391 | C2392 | A2393 | C2394 | C2395 | C2396 | C2397 | C2398 | U2399 | C2389 | G2400 | C2401 | C2402 | C2403 | C2404 | C2405 | U2406 | G2407 | G2410 | G2411 | A2412 | C2413 | G2414 | G2415 | C2416 | C2417 | A2418 | U2419 | C2420 | G2421 | A2422 | U2423 | C2424 | A2425 | A2426 | U2427 | C2428 | G2429 | A2430 | U2431 | A2432 | A2433 | U2500 | A2434 | A2435 | G2436 | G2502 | A2503 | A2504 | G2505 | C2506 | C2507 |
| C2314 | G2315 | C2319 | C2320 | G2321 | C2322 | C2323 | C2324 | C2325 | C2326 | A2327 | C2328 | C2329 | G2330 | C2331 | U2332 | C2333 | C2334 | A2335 | G2340 | C2341 | C2342 | C2343 | U2344 | C2345 | A2346 | C2347 | U2348 | C2349 | C2350 | A2351 | C2352 | C2353 | C2354 | C2355 | C2356 | C2285 | A2286 | C2287 | A2288 | C2289 | C2290 | C2291 | U2292 | C2293 | C2294 | A2295 | A2296 | C2297 | C2298 | C2299 | C2300 | C2301 | C2302 | C2303 | C2304 | A2305 | C2306 | G2307 | A2310 | A2311 | U2312 | C2313 | | | | | | | | | | | | | | | |
| G2246 | A2247 | C2248 | U2249 | G2250 | C2251 | G2252 | C2253 | C2254 | G2255 | C2256 | U2257 | C2258 | G2259 | C2260 | C2261 | U2262 | C2263 | C2264 | U2265 | A2266 | A2267 | A2268 | C2269 | G2270 | C2271 | U2272 | A2273 | C2274 | C2275 | C2276 | C2277 | A2278 | C2279 | G2280 | C2281 | C2282 | C2283 | C2284 | C2285 | A2286 | A2287 | A2288 | C2289 | C2290 | C2291 | C2292 | C2293 | C2294 | A2295 | C2296 | C2297 | C2298 | C2299 | C2300 | C2301 | C2302 | C2303 | C2304 | A2305 | C2306 | G2307 | A2310 | A2311 | U2312 | C2313 | | | | | | | | | | | | |
| A2173 | C2174 | C2178 | C2179 | U2180 | C2181 | G2182 | U2118 | C2183 | C2184 | C2185 | U2257 | G2187 | C2190 | C2191 | C2192 | G2193 | C2194 | C2195 | C2196 | U2197 | A2198 | C2199 | C2200 | C2201 | C2202 | C2203 | U2204 | C2205 | C2206 | C2207 | C2208 | A2209 | C2210 | C2211 | C2212 | C2213 | C2214 | C2215 | C2216 | C2217 | C2218 | C2219 | C2220 | C2221 | C2222 | C2223 | G2224 | C2225 | A2226 | C2227 | C2228 | C2229 | C2230 | C2231 | U2232 | C2233 | C2234 | C2235 | C2236 | C2237 | C2238 | C2239 | C2240 | A2241 | C2242 | U2243 | C2244 | U2245 | | | | | | | | | |
| G2110 | C2111 | U2112 | U2113 | A2114 | C2115 | G2116 | A2117 | U2118 | C2119 | C2120 | G2121 | U2122 | G2123 | C2124 | U2125 | C2126 | G2127 | U2130 | G2131 | C2132 | G2133 | A2134 | C2135 | C2136 | C2137 | C2138 | C2139 | C2140 | G2141 | C2142 | U2076 | A2077 | U2078 | C2079 | C2080 | C2081 | A2082 | C2083 | C2084 | C2085 | C2086 | G2087 | U2088 | C2089 | C2090 | U2091 | U2092 | U2093 | U2094 | C2095 | C2096 | C2097 | C2098 | C2099 | C2100 | C2101 | U2102 | C2103 | G2104 | C2105 | C2106 | C2107 | U2109 | | | | | | | | | | | | | | |
| C1982 | C1983 | C1984 | C1985 | A1986 | G1989 | C1990 | U1926 | U1841 | U1927 | C1982 | C1843 | C1920 | C1982 | C1983 | C1984 | C1985 | U1943 | C2008 | C2009 | C2010 | U2011 | G2012 | A2013 | A2014 | A2015 | C2019 | U1956 | C1957 | C1958 | C1959 | A1960 | C1961 | C1962 | U1963 | G1964 | C1965 | A1966 | C1967 | A1968 | C2031 | C2032 | A1970 | C1971 | C1972 | C2036 | C1973 | C1974 | U1975 | C1976 | A1977 | C1978 | C2043 | C2044 | | | | | | | | | | | | | | | | | | | | | | | | |
| U1917 | C1920 | G1921 | C1922 | C1923 | U1924 | U1925 | U1841 | U1842 | U1927 | C1982 | C1843 | C1920 | C1982 | C1983 | C1984 | C1985 | U1943 | C2008 | C2009 | C2010 | U2011 | G2012 | A2013 | A2014 | A2015 | C2019 | U1956 | C1957 | C1958 | C1959 | A1960 | C1961 | C1962 | U1963 | G1964 | C1965 | A1966 | C1967 | A1968 | C2031 | C2032 | A1970 | C1971 | C1972 | C2036 | C1973 | C1974 | U1975 | C1976 | A1977 | C1978 | C2043 | C2044 | | | | | | | | | | | | | | | | | | | | | | | | |
| U1833 | U1834 | C1837 | C1838 | C1839 | G1840 | U1841 | U1842 | U1843 | U1844 | U1778 | C1844 | U1779 | C1845 | U1780 | C1781 | U1782 | A1783 | A1784 | C1852 | A1853 | A1854 | C1885 | C1886 | C1887 | C1888 | C1889 | A1890 | C1891 | C1892 | C1893 | C1894 | C1895 | C1896 | C1897 | A1900 | C1901 | C1902 | C1903 | C1904 | C1905 | G1822 | C1906 | U1911 | A1912 | A1913 | C1914 | U1915 | C1916 | A1917 | C1918 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G1674 | C1675 | A1676 | U1677 | U1678 | U1679 | U1680 | U1681 | G1682 | C1683 | C1684 | C1685 | C1686 | U1692 | U1693 | C1694 | C1695 | C1696 | G1697 | C1698 | G1699 | A1700 | C1701 | C1702 | G1703 | G1704 | C1705 | U1706 | C1707 | C1708 | U1709 | C1710 | C1711 | G1721 | A1722 | U1723 | G1740 | C1743 | C1745A | G1750 | C1753 | C1754 | C1755 | C1756 | U1757 | C1758 | A1759 | G1823 | G1824 | A1825 | A1829 | C1830 | G1831 | C1832 | | | | | | | | | | | | | | | | | | | | | | | | |
| C1611 | C1612 | A1613 | C1614 | C1615 | C1616 | C1617 | A1618 | U1619 | C1620 | U1621 | C1622 | C1623 | C1624 | C1625 | C1626 | C1627 | C1631 | A1631A | A1632 | C1633 | A1634 | C1637 | C1638 | U1639 | C1640 | C1641 | C1642 | C1643 | C1644 | C1645 | C1646 | C1647 | C1648 | C1649 | C1650 | C1651 | C1652 | C1653 | C1654 | C1655 | C1656 | C1657 | C1658 | U1659 | C1660 | C1661 | C1662 | C1663 | A1664 | C1665 | C1666 | C1667 | C1668 | A1669 | C1670 | U1671 | C1672 | A1673 | | | | | | | | | | | | | | | | | | | |
| C1547 | C1548 | C1549 | C1550 | C1551 | C1552 | A1553 | A1554 | U1555 | C1556 | C1557 | U1558 | G1559 | G1560 | C1561 | A1562 | C1563 | C1564 | C1565 | C1566 | A1567 | C1568 | A1569 | A1570 | G1573 | C1574 | C1575 | U1576 | C1577 | U1578 | A1579 | C1580 | C1581 | C1582 | C1583 | C1584 | A1586 | A1587 | U1590 | G1591 | C1592 | C1593 | G1594 | U1595 | C1596 | A1597 | C1598 | G1601 | U1602 | C1603 | C1604 | C1605 | G1606 | C1607 | A1608 | C1609 | A1610 | | | | | | | | | | | | | | | | | | | | | |



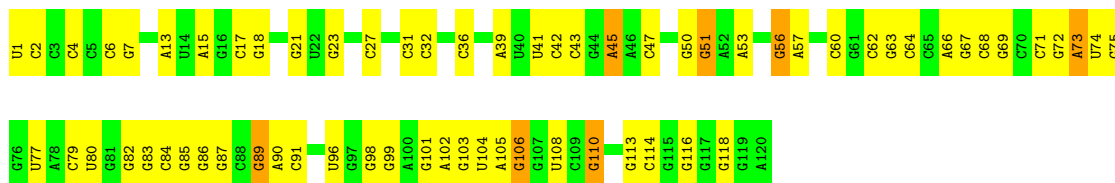
● Molecule 1: 23S ribosomal RNA



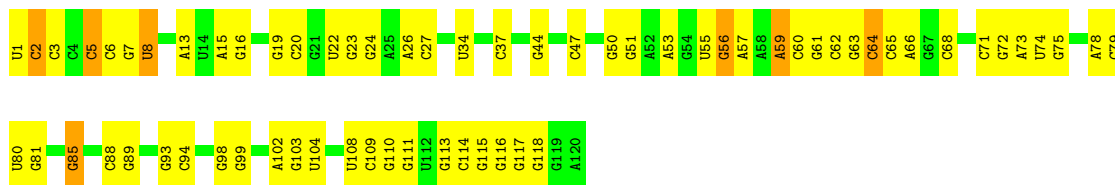




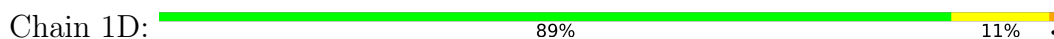
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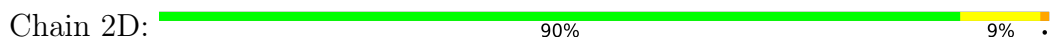
• Molecule 2: 5S ribosomal RNA



• Molecule 3: 50S ribosomal protein L2

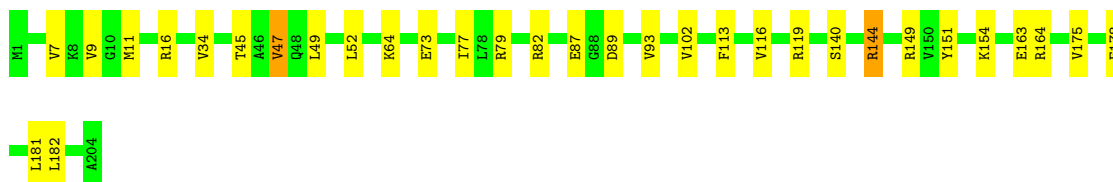
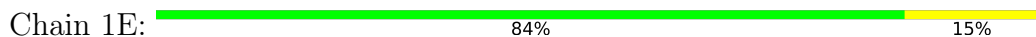


• Molecule 3: 50S ribosomal protein L2

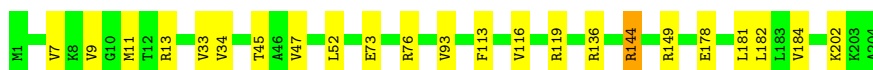
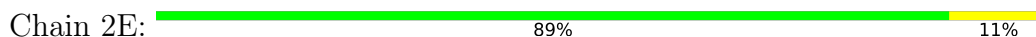




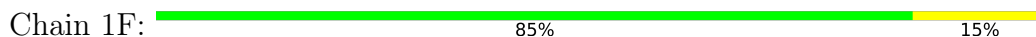
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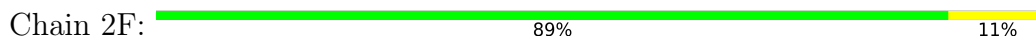
- Molecule 4: 50S ribosomal protein L3



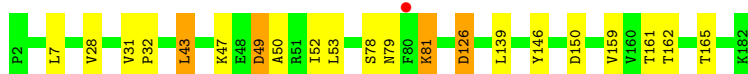
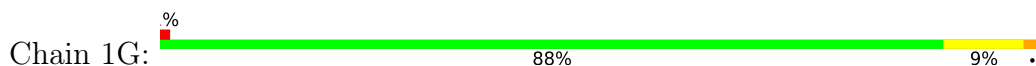
- Molecule 5: 50S ribosomal protein L4



- Molecule 5: 50S ribosomal protein L4



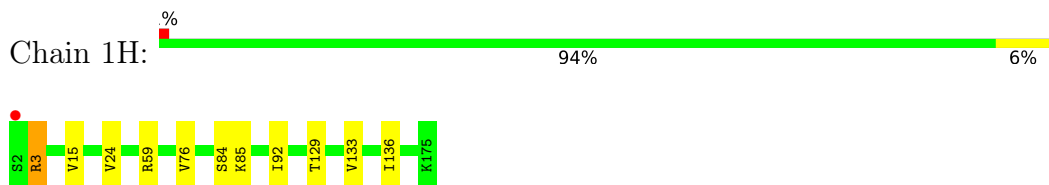
- Molecule 6: 50S ribosomal protein L5



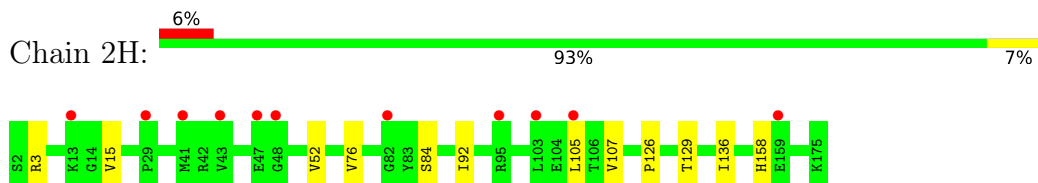
- Molecule 6: 50S ribosomal protein L5



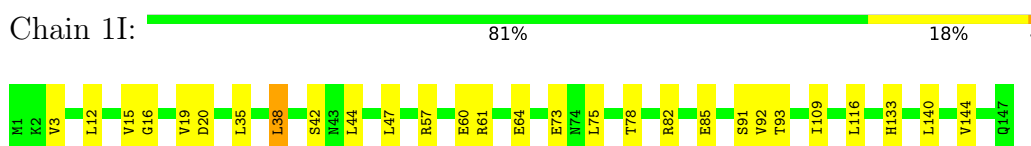
- Molecule 7: 50S ribosomal protein L6



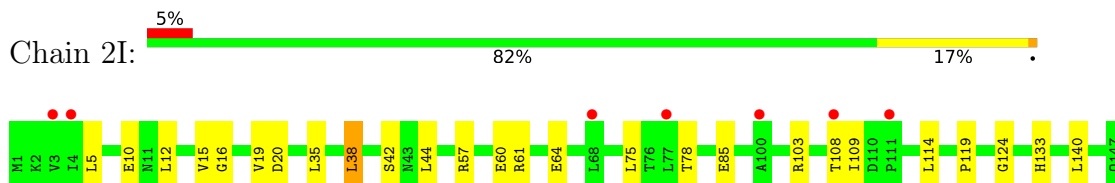
- Molecule 7: 50S ribosomal protein L6



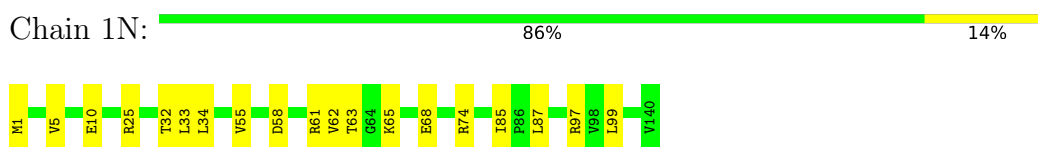
- Molecule 8: 50S ribosomal protein L9



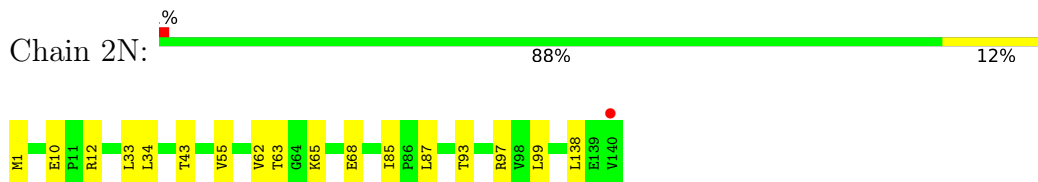
- Molecule 8: 50S ribosomal protein L9



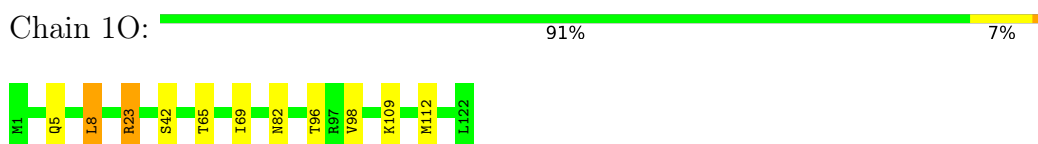
- Molecule 9: 50S ribosomal protein L13



- Molecule 9: 50S ribosomal protein L13

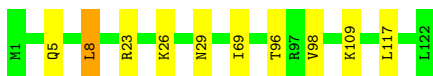


- Molecule 10: 50S ribosomal protein L14



- Molecule 10: 50S ribosomal protein L14

Chain 2O:  92% 7%

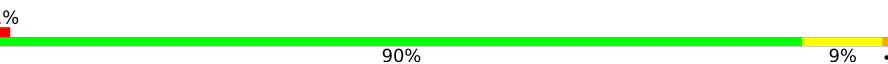


- Molecule 11: 50S ribosomal protein L15

Chain 1P:  91% 8%



- Molecule 11: 50S ribosomal protein L15

Chain 2P:  90% 9%



- Molecule 12: 50S ribosomal protein L16

Chain 1Q:  90% 10%




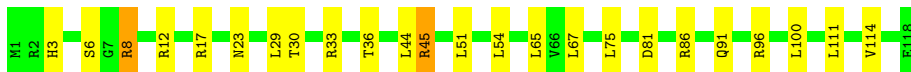
- Molecule 12: 50S ribosomal protein L16

Chain 2Q:  90% 9%




- Molecule 13: 50S ribosomal protein L17

Chain 1R:  80% 19%




- Molecule 13: 50S ribosomal protein L17

Chain 2R:  87% 12%

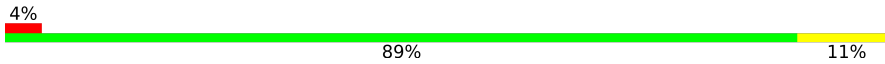


- Molecule 14: 50S ribosomal protein L18

Chain 1S:  86% 14%



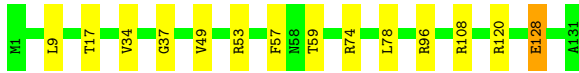
- Molecule 14: 50S ribosomal protein L18

Chain 2S:  4% 89% 11%



- Molecule 15: 50S ribosomal protein L19

Chain 1T:  89% 10%




- Molecule 15: 50S ribosomal protein L19

Chain 2T:  92% 8%



- Molecule 16: 50S ribosomal protein L20

Chain 1U:  84% 16%



- Molecule 16: 50S ribosomal protein L20

Chain 2U:  89% 11%



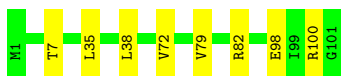
- Molecule 17: 50S ribosomal protein L21

Chain 1V:  86% 14%



- Molecule 17: 50S ribosomal protein L21

Chain 2V:  92% 8%




- Molecule 18: 50S ribosomal protein L22

Chain 1W:  88% 12%



- Molecule 18: 50S ribosomal protein L22

Chain 2W:  86% 14%



- Molecule 19: 50S ribosomal protein L23

Chain 1X:  95% 5%




- Molecule 19: 50S ribosomal protein L23

Chain 2X:  94% 6%




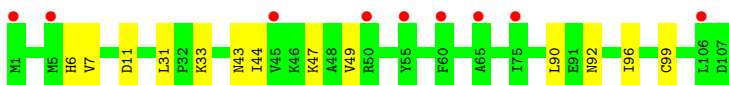
- Molecule 20: 50S ribosomal protein L24

Chain 1Y:  % 87% 13%




- Molecule 20: 50S ribosomal protein L24

Chain 2Y:  8% 88% 12%

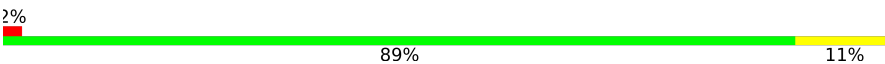


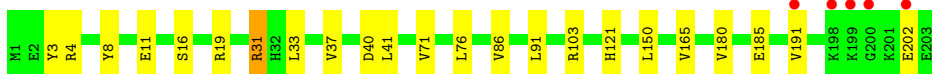
- Molecule 21: 50S ribosomal protein L25

Chain 1Z:  89% 10%



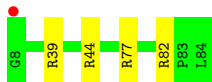
- Molecule 21: 50S ribosomal protein L25

Chain 2Z:  89% 11% 2%



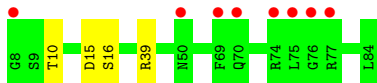
- Molecule 22: 50S ribosomal protein L27

Chain 10:  95% 5% 1%

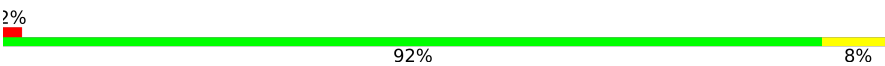


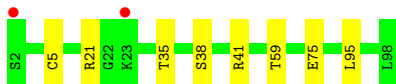
- Molecule 22: 50S ribosomal protein L27

Chain 20:  95% 5% 10%



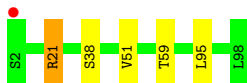
- Molecule 23: 50S ribosomal protein L28

Chain 11:  92% 8% 2%



- Molecule 23: 50S ribosomal protein L28

Chain 21:  95% 1% 1%

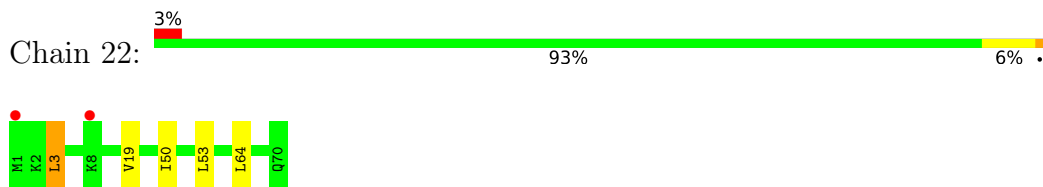


- Molecule 24: 50S ribosomal protein L29

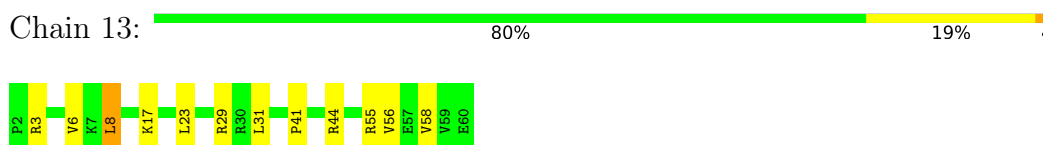
Chain 12:  90% 10%



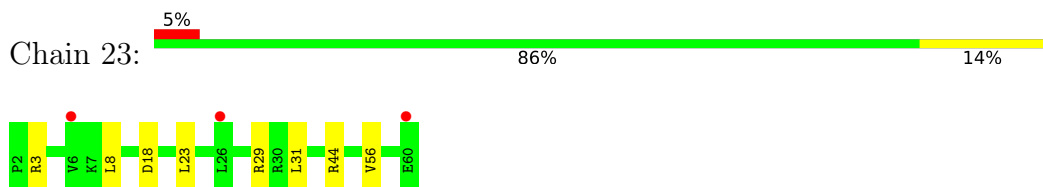
- Molecule 24: 50S ribosomal protein L29



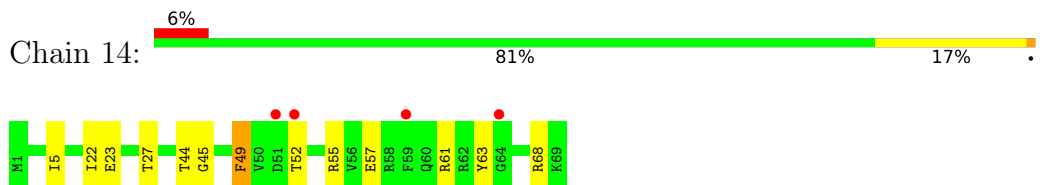
- Molecule 25: 50S ribosomal protein L30



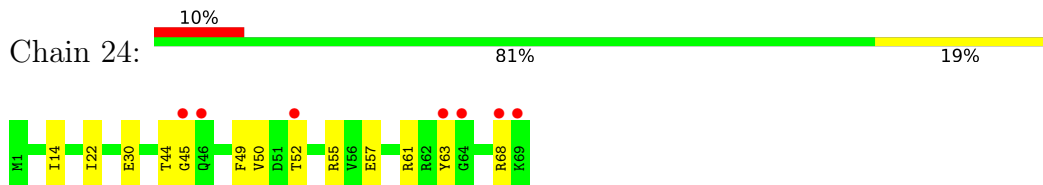
- Molecule 25: 50S ribosomal protein L30



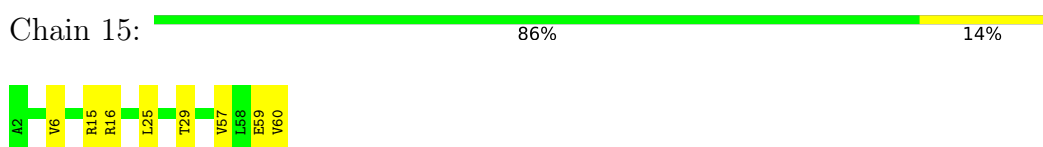
- Molecule 26: 50S ribosomal protein L31



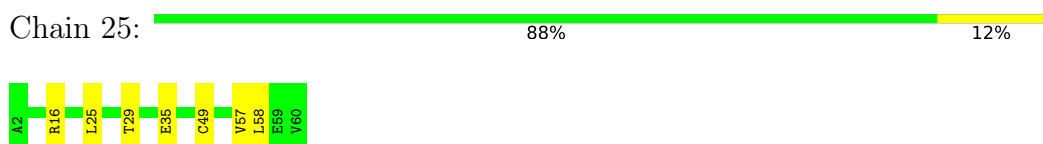
- Molecule 26: 50S ribosomal protein L31




- Molecule 27: 50S ribosomal protein L32



- Molecule 27: 50S ribosomal protein L32



- Molecule 28: 50S ribosomal protein L33

Chain 16:  85% 15%




- Molecule 28: 50S ribosomal protein L33

Chain 26:  91% 9%




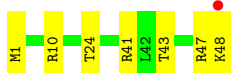
- Molecule 29: 50S ribosomal protein L34

Chain 17:  83% 15%




- Molecule 29: 50S ribosomal protein L34

Chain 27:  85% 15%



- Molecule 30: 50S ribosomal protein L35

Chain 18:  89% 11%



- Molecule 30: 50S ribosomal protein L35

Chain 28:  92% 8%

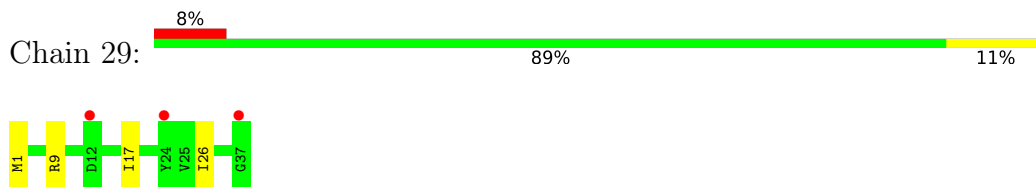


- Molecule 31: 50S ribosomal protein L36

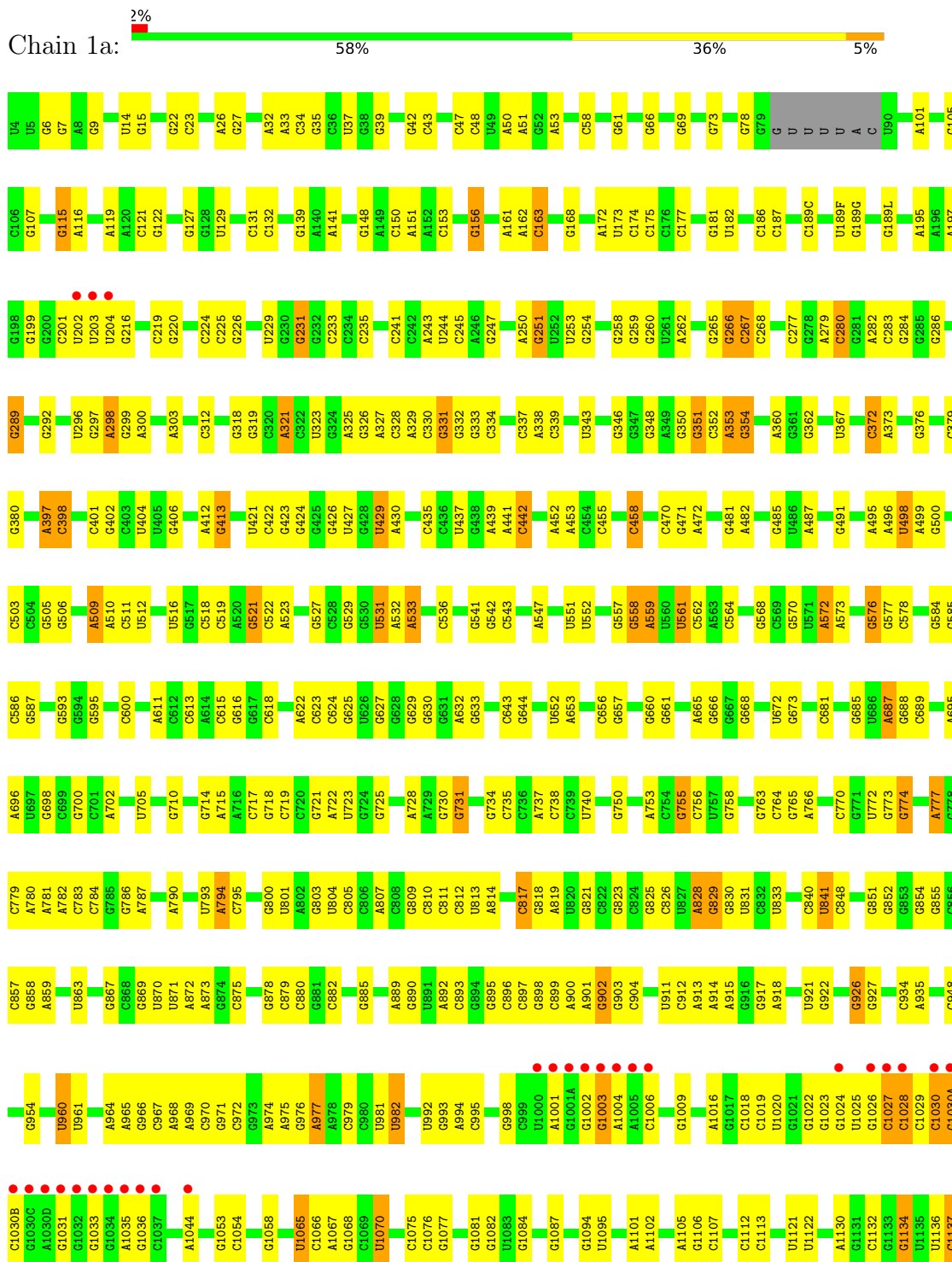
Chain 19:  86% 14%

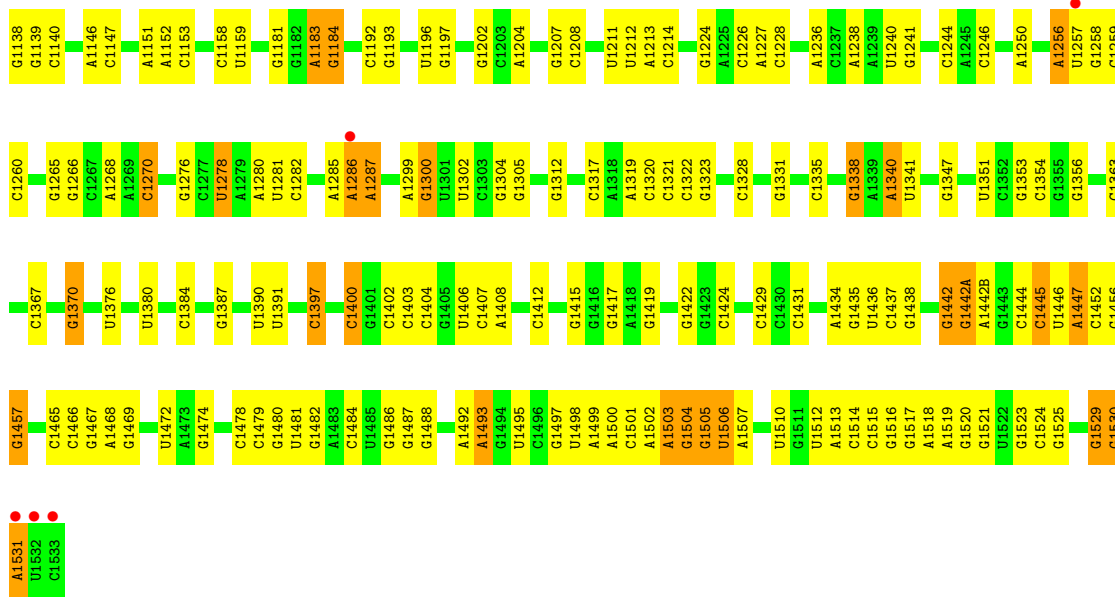


- Molecule 31: 50S ribosomal protein L36

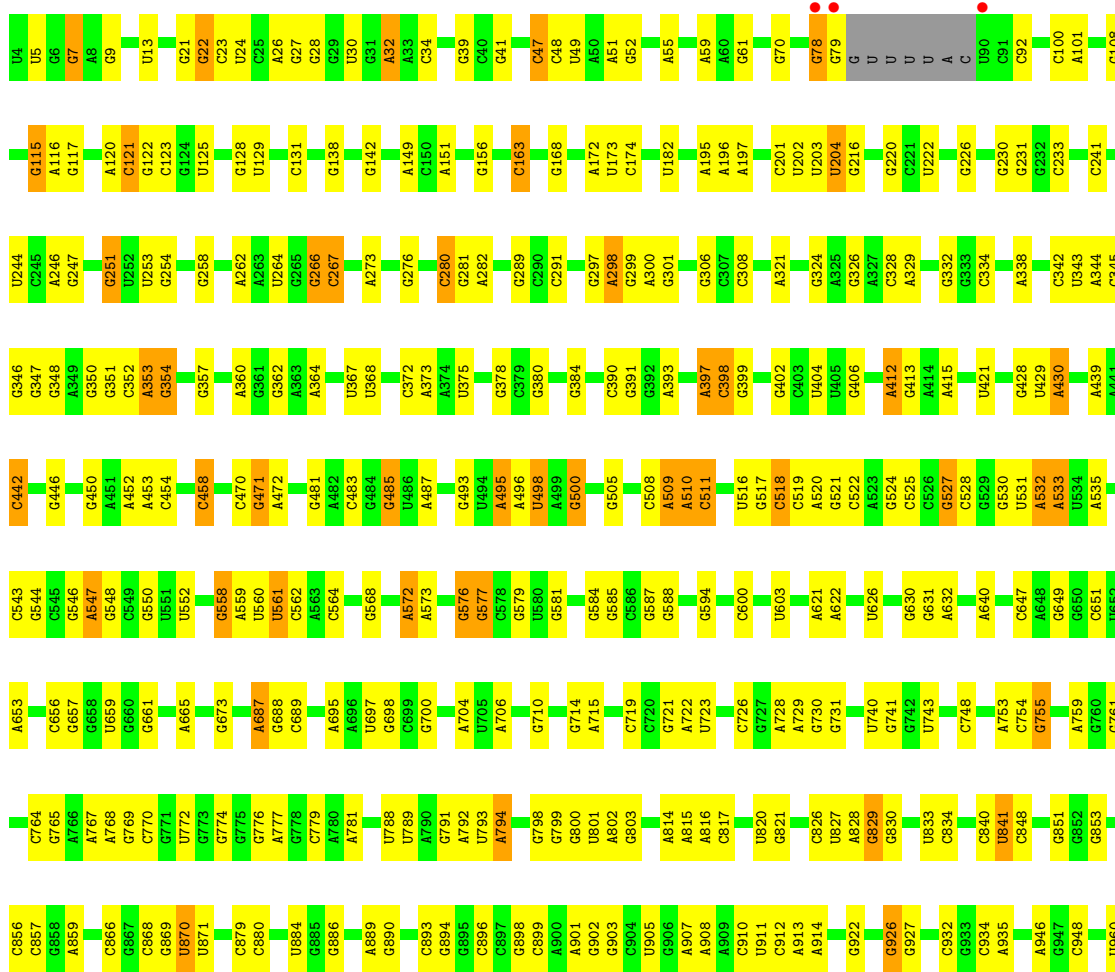


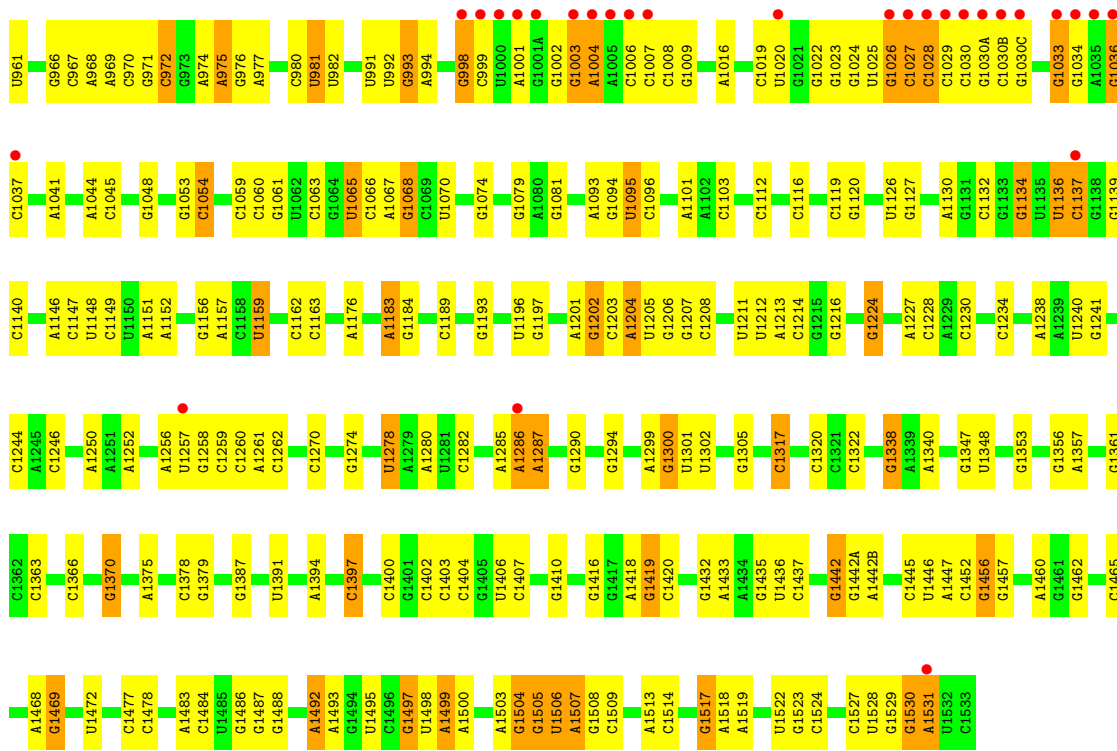
- Molecule 32: 16 ribosomal RNA



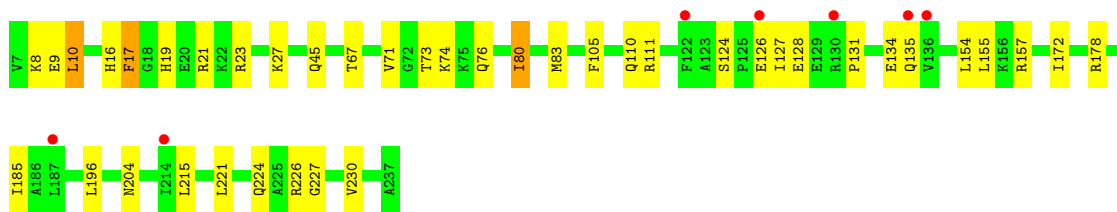
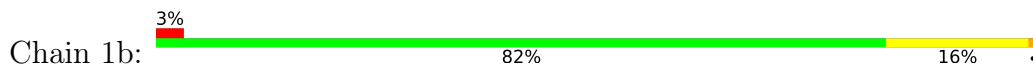


• Molecule 32: 16 ribosomal RNA

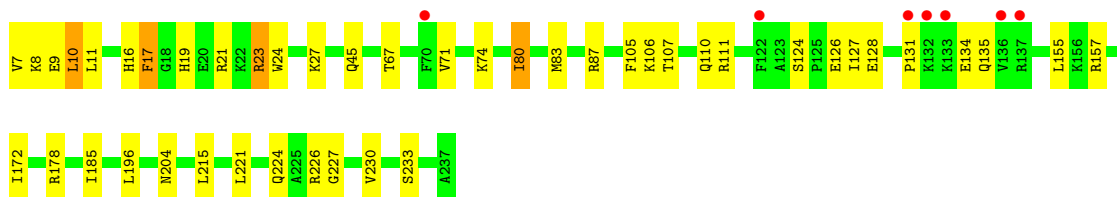
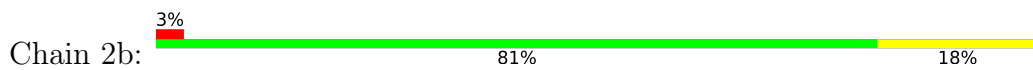




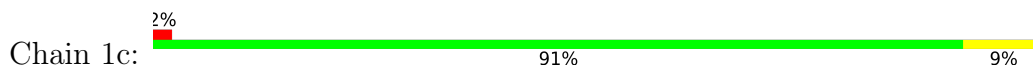
• Molecule 33: 30S ribosomal protein S2



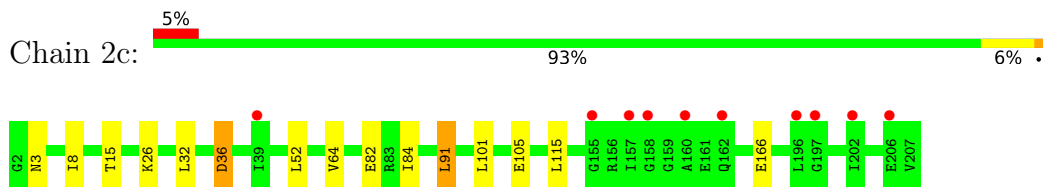
• Molecule 33: 30S ribosomal protein S2



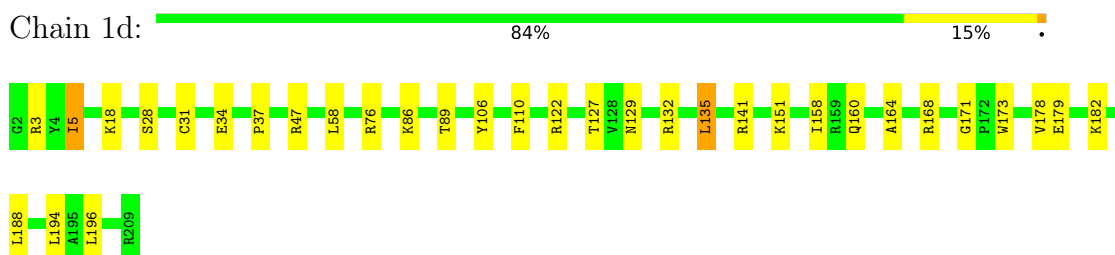
• Molecule 34: 30S ribosomal protein S3



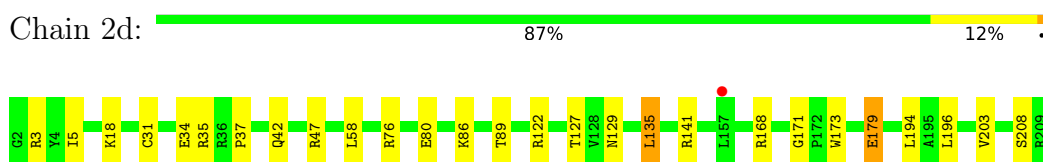
- Molecule 34: 30S ribosomal protein S3



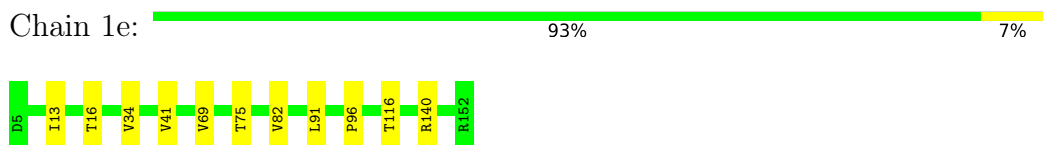
- Molecule 35: 30S ribosomal protein S4



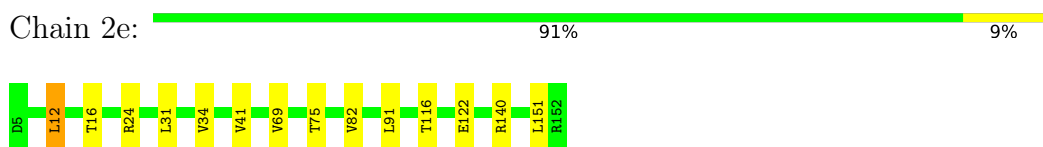
- Molecule 35: 30S ribosomal protein S4



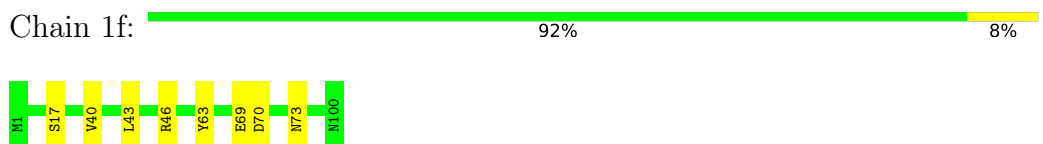
- Molecule 36: 30S ribosomal protein S5



- Molecule 36: 30S ribosomal protein S5



- Molecule 37: 30S ribosomal protein S6



- Molecule 37: 30S ribosomal protein S6

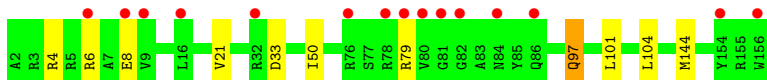




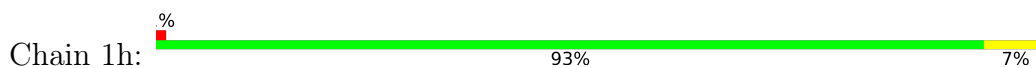
- Molecule 38: 30S ribosomal protein S7



- Molecule 38: 30S ribosomal protein S7



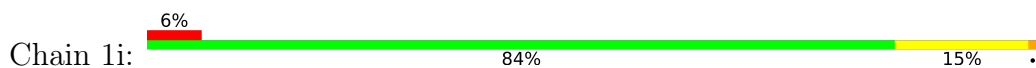
- Molecule 39: 30S ribosomal protein S8



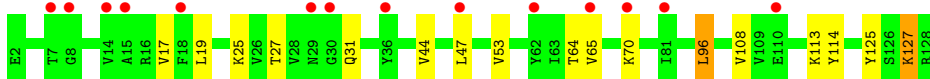
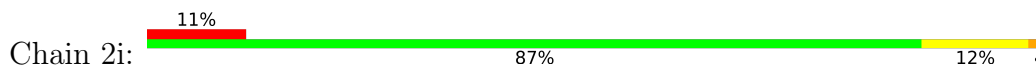
- Molecule 39: 30S ribosomal protein S8



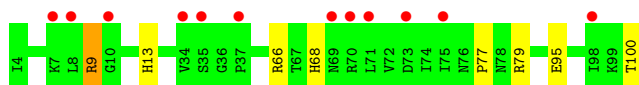
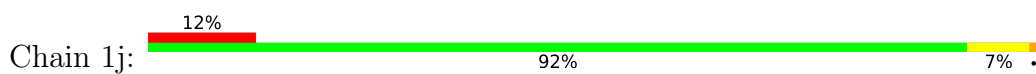
- Molecule 40: 30S ribosomal protein S9



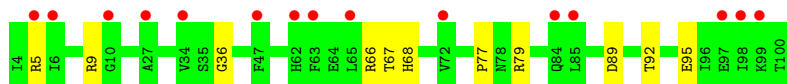
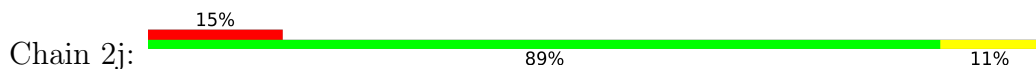
- Molecule 40: 30S ribosomal protein S9



- Molecule 41: 30S ribosomal protein S10



- Molecule 41: 30S ribosomal protein S10



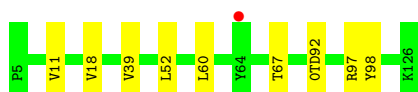
- Molecule 42: 30S ribosomal protein S11



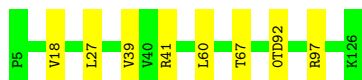
- Molecule 42: 30S ribosomal protein S11



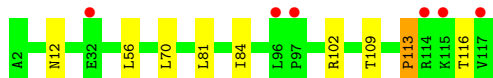
- Molecule 43: 30S ribosomal protein S12



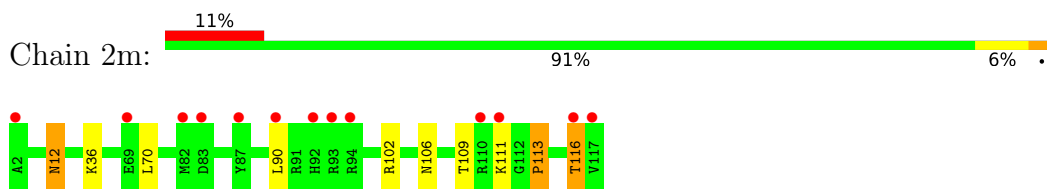
- Molecule 43: 30S ribosomal protein S12



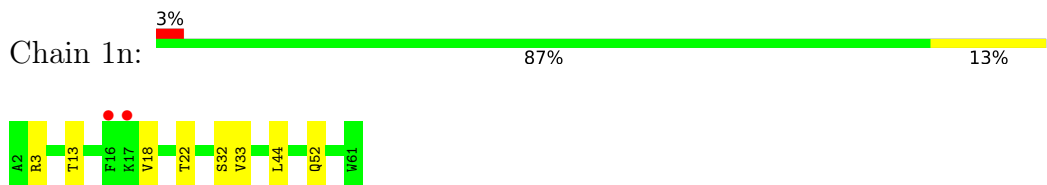
- Molecule 44: 30S ribosomal protein S13



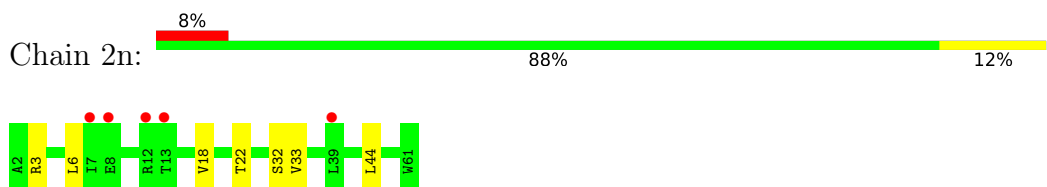
- Molecule 44: 30S ribosomal protein S13



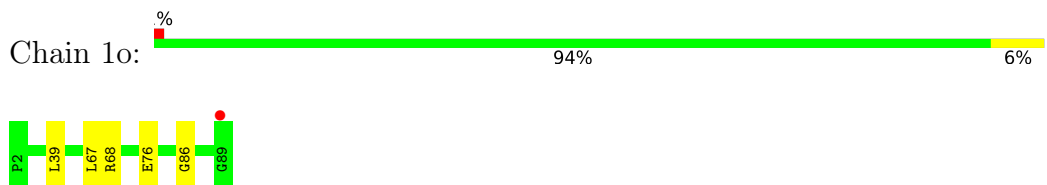
- Molecule 45: 30S ribosomal protein S14 type Z



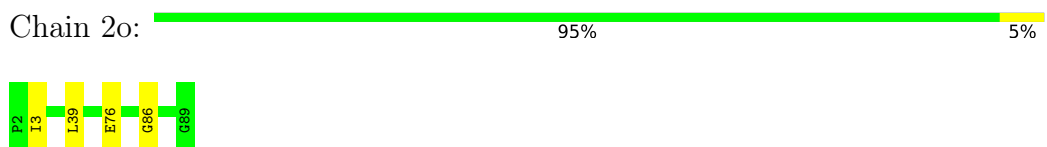
- Molecule 45: 30S ribosomal protein S14 type Z



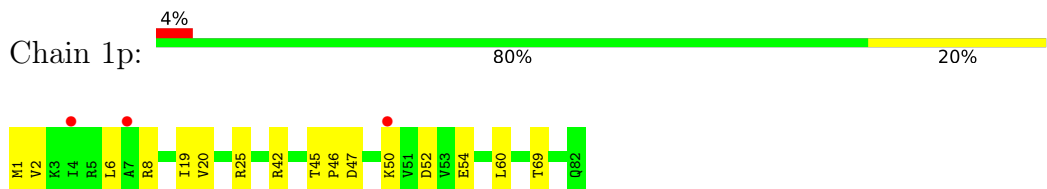
- Molecule 46: 30S ribosomal protein S15



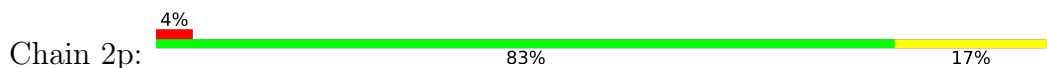
- Molecule 46: 30S ribosomal protein S15



- Molecule 47: 30S ribosomal protein S16

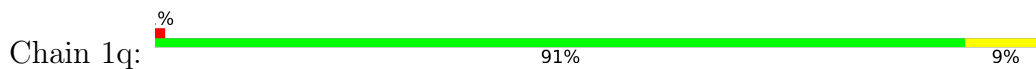


- Molecule 47: 30S ribosomal protein S16





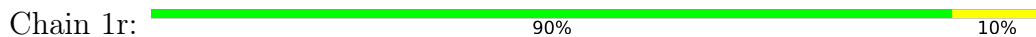
- Molecule 48: 30S ribosomal protein S17



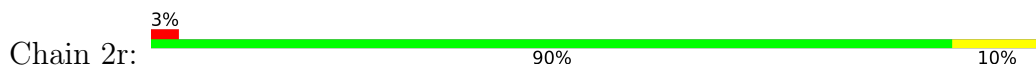
- Molecule 48: 30S ribosomal protein S17



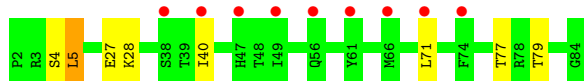
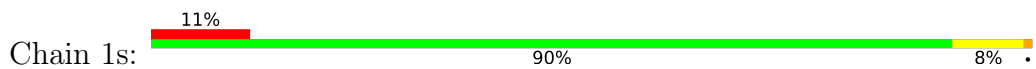
- Molecule 49: 30S ribosomal protein S18



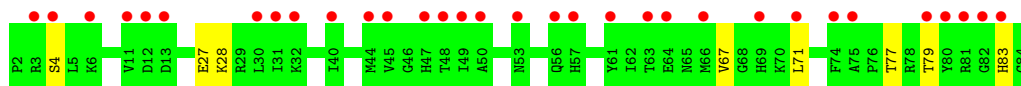
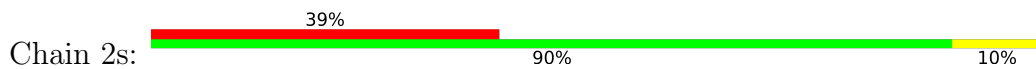
- Molecule 49: 30S ribosomal protein S18



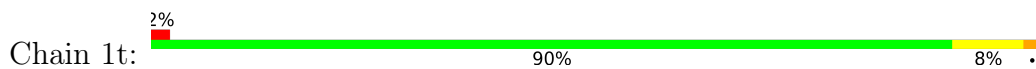
- Molecule 50: 30S ribosomal protein S19



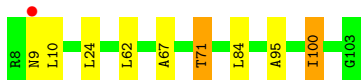
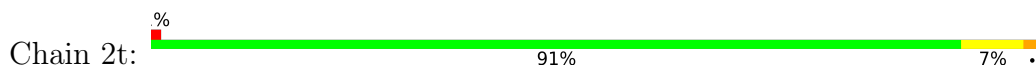
- Molecule 50: 30S ribosomal protein S19



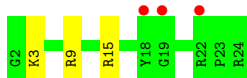
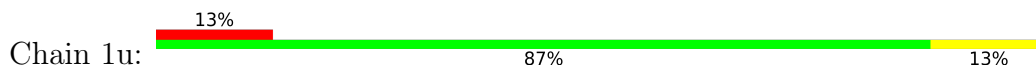
- Molecule 51: 30S ribosomal protein S20



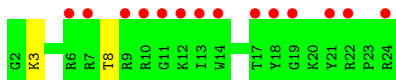
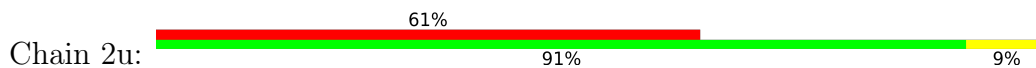
- Molecule 51: 30S ribosomal protein S20



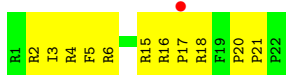
- Molecule 52: 30S ribosomal protein Thx



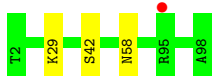
- Molecule 52: 30S ribosomal protein Thx



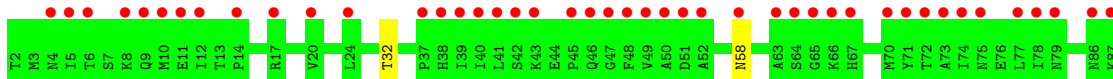
- Molecule 53: Tur1A peptide

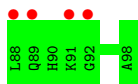


- Molecule 54: Ribosome-associated inhibitor A



- Molecule 54: Ribosome-associated inhibitor A





4 Data and refinement statistics

| Property | Value | Source |
|---|---|------------------|
| Space group | P 21 21 21 | Depositor |
| Cell constants a, b, c, α , β , γ | 209.68Å 449.25Å 621.90Å 90.00° 90.00° 90.00° | Depositor |
| Resolution (Å) | 49.76 – 3.20 49.76 – 3.20 | Depositor EDS |
| % Data completeness (in resolution range) | 98.6 (49.76-3.20) 98.6 (49.76-3.20) | Depositor EDS |
| R_{merge} | 0.39 | Depositor |
| R_{sym} | (Not available) | Depositor |
| $\langle I/\sigma(I) \rangle$ ¹ | 1.28 (at 3.19Å) | Xtrriage |
| Refinement program | PHENIX 1.8.1_1168 | Depositor |
| R, R_{free} | 0.190 , 0.252 0.191 , 0.252 | Depositor DCC |
| R_{free} test set | 47082 reflections (5.00%) | wwPDB-VP |
| Wilson B-factor (Å ²) | 75.9 | Xtrriage |
| Anisotropy | 0.208 | Xtrriage |
| Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²) | 0.29 , 67.7 | EDS |
| L-test for twinning ² | $\langle L \rangle = 0.46$, $\langle L^2 \rangle = 0.29$ | Xtrriage |
| Estimated twinning fraction | No twinning to report. | Xtrriage |
| F_o, F_c correlation | 0.94 | EDS |
| Total number of atoms | 294294 | wwPDB-VP |
| Average B, all atoms (Å ²) | 57.0 | wwPDB-VP |

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 1.68% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: MA6, 2MG, 5MC, UR3, 2MU, OMG, 0TD, 2MA, SF4, MG, PSU, M2G, 7MG, 5MU, ZN, 4OC

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

| Mol | Chain | Bond lengths | | Bond angles | |
|-----|-------|--------------|------------------|-------------|--------------------|
| | | RMSZ | # $ Z > 5$ | RMSZ | # $ Z > 5$ |
| 1 | 1A | 1.48 | 500/69032 (0.7%) | 2.18 | 4548/107750 (4.2%) |
| 1 | 2A | 1.16 | 115/69032 (0.2%) | 1.90 | 2782/107750 (2.6%) |
| 2 | 1B | 1.18 | 2/2879 (0.1%) | 1.99 | 140/4490 (3.1%) |
| 2 | 2B | 1.12 | 4/2879 (0.1%) | 1.83 | 98/4490 (2.2%) |
| 3 | 1D | 0.98 | 0/2181 | 1.14 | 8/2940 (0.3%) |
| 3 | 2D | 0.83 | 0/2181 | 1.05 | 7/2940 (0.2%) |
| 4 | 1E | 0.98 | 2/1592 (0.1%) | 1.13 | 10/2149 (0.5%) |
| 4 | 2E | 0.82 | 0/1592 | 1.04 | 5/2149 (0.2%) |
| 5 | 1F | 0.96 | 0/1619 | 1.00 | 1/2193 (0.0%) |
| 5 | 2F | 0.71 | 0/1619 | 0.88 | 1/2193 (0.0%) |
| 6 | 1G | 0.61 | 0/1451 | 0.86 | 0/1961 |
| 6 | 2G | 0.66 | 1/1451 (0.1%) | 0.86 | 1/1961 (0.1%) |
| 7 | 1H | 0.84 | 0/1356 | 0.94 | 1/1834 (0.1%) |
| 7 | 2H | 0.72 | 0/1356 | 0.86 | 0/1834 |
| 8 | 1I | 0.66 | 0/1109 | 0.90 | 1/1512 (0.1%) |
| 8 | 2I | 0.71 | 1/1109 (0.1%) | 1.00 | 3/1512 (0.2%) |
| 9 | 1N | 0.93 | 0/1148 | 1.03 | 3/1547 (0.2%) |
| 9 | 2N | 0.71 | 0/1148 | 0.92 | 0/1547 |
| 10 | 1O | 0.99 | 0/943 | 1.03 | 3/1269 (0.2%) |
| 10 | 2O | 0.84 | 0/943 | 1.00 | 1/1269 (0.1%) |
| 11 | 1P | 0.90 | 0/1152 | 1.07 | 2/1533 (0.1%) |
| 11 | 2P | 0.76 | 1/1152 (0.1%) | 0.96 | 1/1533 (0.1%) |
| 12 | 1Q | 0.90 | 1/1143 (0.1%) | 0.98 | 2/1527 (0.1%) |
| 12 | 2Q | 0.76 | 0/1143 | 0.96 | 2/1527 (0.1%) |
| 13 | 1R | 0.93 | 0/982 | 1.15 | 7/1312 (0.5%) |
| 13 | 2R | 0.75 | 0/982 | 1.00 | 2/1312 (0.2%) |
| 14 | 1S | 0.78 | 0/887 | 0.96 | 1/1180 (0.1%) |
| 14 | 2S | 0.73 | 0/887 | 0.97 | 1/1180 (0.1%) |
| 15 | 1T | 0.93 | 0/1105 | 1.06 | 2/1477 (0.1%) |
| 15 | 2T | 0.78 | 0/1105 | 0.99 | 2/1477 (0.1%) |
| 16 | 1U | 1.07 | 1/977 (0.1%) | 1.09 | 4/1301 (0.3%) |
| 16 | 2U | 0.76 | 0/977 | 0.93 | 1/1301 (0.1%) |

| Mol | Chain | Bond lengths | | Bond angles | |
|-----|-------|--------------|-----------------|-------------|------------------|
| | | RMSZ | # Z >5 | RMSZ | # Z >5 |
| 17 | 1V | 0.96 | 0/786 | 1.09 | 3/1053 (0.3%) |
| 17 | 2V | 0.75 | 0/786 | 0.92 | 0/1053 |
| 18 | 1W | 1.05 | 0/897 | 1.11 | 3/1205 (0.2%) |
| 18 | 2W | 0.89 | 0/897 | 1.09 | 4/1205 (0.3%) |
| 19 | 1X | 1.01 | 0/764 | 1.00 | 0/1025 |
| 19 | 2X | 0.85 | 0/764 | 0.98 | 0/1025 |
| 20 | 1Y | 0.94 | 1/823 (0.1%) | 1.01 | 1/1099 (0.1%) |
| 20 | 2Y | 0.77 | 0/823 | 1.00 | 2/1099 (0.2%) |
| 21 | 1Z | 0.74 | 0/1620 | 0.88 | 2/2200 (0.1%) |
| 21 | 2Z | 0.65 | 0/1620 | 0.90 | 1/2200 (0.0%) |
| 22 | 10 | 0.93 | 0/616 | 1.08 | 3/821 (0.4%) |
| 22 | 20 | 0.78 | 0/616 | 1.01 | 1/821 (0.1%) |
| 23 | 11 | 0.99 | 0/761 | 0.99 | 1/1013 (0.1%) |
| 23 | 21 | 0.82 | 0/761 | 0.96 | 1/1013 (0.1%) |
| 24 | 12 | 0.82 | 0/590 | 0.96 | 1/781 (0.1%) |
| 24 | 22 | 0.75 | 0/590 | 0.91 | 1/781 (0.1%) |
| 25 | 13 | 0.98 | 0/474 | 1.07 | 3/635 (0.5%) |
| 25 | 23 | 0.70 | 0/474 | 0.94 | 1/635 (0.2%) |
| 26 | 14 | 0.64 | 0/559 | 0.86 | 0/754 |
| 26 | 24 | 0.70 | 0/559 | 0.86 | 0/754 |
| 27 | 15 | 1.02 | 1/473 (0.2%) | 1.02 | 1/639 (0.2%) |
| 27 | 25 | 0.82 | 1/473 (0.2%) | 0.98 | 1/639 (0.2%) |
| 28 | 16 | 0.87 | 0/460 | 0.93 | 0/613 |
| 28 | 26 | 0.72 | 0/460 | 0.92 | 0/613 |
| 29 | 17 | 1.06 | 0/426 | 1.01 | 2/561 (0.4%) |
| 29 | 27 | 0.85 | 0/426 | 1.03 | 0/561 |
| 30 | 18 | 1.02 | 1/525 (0.2%) | 0.99 | 1/691 (0.1%) |
| 30 | 28 | 0.78 | 0/525 | 0.91 | 0/691 |
| 31 | 19 | 0.97 | 1/310 (0.3%) | 0.98 | 0/407 |
| 31 | 29 | 0.74 | 0/310 | 0.95 | 0/407 |
| 32 | 1a | 0.99 | 28/35795 (0.1%) | 1.67 | 838/55864 (1.5%) |
| 32 | 2a | 0.96 | 18/35795 (0.1%) | 1.63 | 747/55864 (1.3%) |
| 33 | 1b | 0.62 | 0/1876 | 0.86 | 0/2533 |
| 33 | 2b | 0.61 | 0/1876 | 0.88 | 1/2533 (0.0%) |
| 34 | 1c | 0.53 | 0/1582 | 0.76 | 0/2137 |
| 34 | 2c | 0.59 | 0/1582 | 0.81 | 2/2137 (0.1%) |
| 35 | 1d | 0.61 | 0/1695 | 0.81 | 1/2274 (0.0%) |
| 35 | 2d | 0.60 | 0/1695 | 0.88 | 1/2274 (0.0%) |
| 36 | 1e | 0.62 | 0/1149 | 0.86 | 0/1548 |
| 36 | 2e | 0.64 | 1/1149 (0.1%) | 0.87 | 2/1548 (0.1%) |
| 37 | 1f | 0.67 | 0/827 | 0.86 | 0/1120 |
| 37 | 2f | 0.63 | 0/827 | 0.88 | 0/1120 |
| 38 | 1g | 0.57 | 0/1254 | 0.76 | 0/1683 |

| Mol | Chain | Bond lengths | | Bond angles | |
|-----|-------|--------------|-------------------|-------------|--------------------|
| | | RMSZ | # Z >5 | RMSZ | # Z >5 |
| 38 | 2g | 0.56 | 0/1254 | 0.80 | 1/1683 (0.1%) |
| 39 | 1h | 0.64 | 0/1118 | 0.83 | 0/1506 |
| 39 | 2h | 0.57 | 0/1118 | 0.84 | 0/1506 |
| 40 | 1i | 0.55 | 0/1005 | 0.79 | 0/1351 |
| 40 | 2i | 0.58 | 0/1005 | 0.79 | 0/1351 |
| 41 | 1j | 0.56 | 0/732 | 0.82 | 1/993 (0.1%) |
| 41 | 2j | 0.56 | 0/732 | 0.81 | 0/993 |
| 42 | 1k | 0.65 | 0/849 | 0.81 | 0/1150 |
| 42 | 2k | 0.67 | 1/849 (0.1%) | 0.83 | 1/1150 (0.1%) |
| 43 | 1l | 0.68 | 0/937 | 0.87 | 0/1260 |
| 43 | 2l | 0.67 | 0/937 | 0.87 | 0/1260 |
| 44 | 1m | 0.53 | 0/924 | 0.78 | 0/1242 |
| 44 | 2m | 0.64 | 0/924 | 0.84 | 1/1242 (0.1%) |
| 45 | 1n | 0.56 | 0/501 | 0.81 | 0/664 |
| 45 | 2n | 0.60 | 0/501 | 0.75 | 0/664 |
| 46 | 1o | 0.61 | 0/739 | 0.86 | 1/985 (0.1%) |
| 46 | 2o | 0.59 | 0/739 | 0.88 | 0/985 |
| 47 | 1p | 0.56 | 0/697 | 0.85 | 0/939 |
| 47 | 2p | 0.65 | 0/697 | 0.83 | 0/939 |
| 48 | 1q | 0.68 | 0/836 | 0.90 | 0/1117 |
| 48 | 2q | 0.66 | 0/836 | 0.87 | 0/1117 |
| 49 | 1r | 0.63 | 0/560 | 0.87 | 0/746 |
| 49 | 2r | 0.70 | 0/560 | 0.86 | 0/746 |
| 50 | 1s | 0.53 | 0/663 | 0.80 | 1/895 (0.1%) |
| 50 | 2s | 0.65 | 0/663 | 0.76 | 0/895 |
| 51 | 1t | 0.61 | 0/734 | 0.87 | 0/969 |
| 51 | 2t | 0.56 | 0/734 | 0.82 | 0/969 |
| 52 | 1u | 0.51 | 0/203 | 0.83 | 0/266 |
| 52 | 2u | 0.56 | 0/203 | 0.83 | 0/266 |
| 53 | 1y | 0.94 | 0/177 | 1.15 | 0/245 |
| 54 | 1z | 0.64 | 0/776 | 0.84 | 0/1048 |
| 54 | 2z | 0.71 | 0/776 | 0.82 | 0/1048 |
| All | All | 1.10 | 681/310361 (0.2%) | 1.71 | 9271/463769 (2.0%) |

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

| Mol | Chain | #Chirality outliers | #Planarity outliers |
|-----|-------|---------------------|---------------------|
| 4 | 1E | 0 | 1 |
| 4 | 2E | 0 | 1 |

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| Mol | Chain | #Chirality outliers | #Planarity outliers |
|-----|-------|---------------------|---------------------|
| 14 | 1S | 0 | 1 |
| 14 | 2S | 0 | 1 |
| 15 | 1T | 0 | 1 |
| 15 | 2T | 0 | 1 |
| 19 | 1X | 0 | 1 |
| 19 | 2X | 0 | 1 |
| 33 | 2b | 0 | 1 |
| 44 | 1m | 0 | 1 |
| 44 | 2m | 0 | 1 |
| 53 | 1y | 0 | 1 |
| All | All | 0 | 12 |

The worst 5 of 681 bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|------|------|-------|-------|-------------|----------|
| 1 | 1A | 807 | U | C2-N3 | 9.44 | 1.44 | 1.37 |
| 1 | 2A | 2573 | C | N3-C4 | 9.04 | 1.40 | 1.33 |
| 1 | 1A | 783 | A | C6-N1 | -8.93 | 1.29 | 1.35 |
| 1 | 2A | 687 | C | N1-C6 | -8.56 | 1.32 | 1.37 |
| 1 | 1A | 2032 | G | N7-C5 | -8.51 | 1.34 | 1.39 |

The worst 5 of 9271 bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|------|------|-----------|--------|-------------|----------|
| 1 | 1A | 2319 | G | C6-C5-N7 | -21.39 | 117.57 | 130.40 |
| 1 | 1A | 2061 | G | O5'-P-OP2 | -19.75 | 87.00 | 110.70 |
| 1 | 1A | 673 | C | C5-C4-N4 | -18.70 | 107.11 | 120.20 |
| 1 | 1A | 673 | C | N3-C4-C5 | 17.52 | 128.91 | 121.90 |
| 1 | 1A | 2319 | G | N1-C6-O6 | 17.08 | 130.15 | 119.90 |

There are no chirality outliers.

5 of 12 planarity outliers are listed below:

| Mol | Chain | Res | Type | Group |
|-----|-------|-----|------|---------|
| 4 | 1E | 11 | MET | Peptide |
| 14 | 1S | 58 | LEU | Peptide |
| 15 | 1T | 128 | GLU | Peptide |
| 19 | 1X | 93 | GLU | Peptide |
| 44 | 1m | 113 | PRO | Peptide |

5.2 Too-close contacts [i](#)

Due to software issues we are unable to calculate clashes - this section is therefore empty.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|---------------|-----------|----------|----------|-------------|-----|
| 3 | 1D | 273/275 (99%) | 256 (94%) | 17 (6%) | 0 | 100 | 100 |
| 3 | 2D | 273/275 (99%) | 257 (94%) | 14 (5%) | 2 (1%) | 22 | 61 |
| 4 | 1E | 202/204 (99%) | 189 (94%) | 12 (6%) | 1 (0%) | 29 | 67 |
| 4 | 2E | 202/204 (99%) | 189 (94%) | 12 (6%) | 1 (0%) | 29 | 67 |
| 5 | 1F | 201/203 (99%) | 187 (93%) | 11 (6%) | 3 (2%) | 10 | 44 |
| 5 | 2F | 201/203 (99%) | 186 (92%) | 13 (6%) | 2 (1%) | 15 | 54 |
| 6 | 1G | 179/181 (99%) | 155 (87%) | 16 (9%) | 8 (4%) | 2 | 18 |
| 6 | 2G | 179/181 (99%) | 152 (85%) | 20 (11%) | 7 (4%) | 3 | 22 |
| 7 | 1H | 172/174 (99%) | 156 (91%) | 15 (9%) | 1 (1%) | 25 | 64 |
| 7 | 2H | 172/174 (99%) | 153 (89%) | 17 (10%) | 2 (1%) | 13 | 49 |
| 8 | 1I | 145/147 (99%) | 118 (81%) | 24 (17%) | 3 (2%) | 7 | 37 |
| 8 | 2I | 145/147 (99%) | 116 (80%) | 25 (17%) | 4 (3%) | 5 | 29 |
| 9 | 1N | 138/140 (99%) | 129 (94%) | 9 (6%) | 0 | 100 | 100 |
| 9 | 2N | 138/140 (99%) | 130 (94%) | 8 (6%) | 0 | 100 | 100 |
| 10 | 1O | 120/122 (98%) | 112 (93%) | 7 (6%) | 1 (1%) | 19 | 58 |
| 10 | 2O | 120/122 (98%) | 113 (94%) | 4 (3%) | 3 (2%) | 5 | 32 |
| 11 | 1P | 147/149 (99%) | 125 (85%) | 21 (14%) | 1 (1%) | 22 | 61 |
| 11 | 2P | 147/149 (99%) | 130 (88%) | 15 (10%) | 2 (1%) | 11 | 46 |
| 12 | 1Q | 139/141 (99%) | 125 (90%) | 14 (10%) | 0 | 100 | 100 |
| 12 | 2Q | 139/141 (99%) | 125 (90%) | 12 (9%) | 2 (1%) | 11 | 46 |
| 13 | 1R | 116/118 (98%) | 98 (84%) | 16 (14%) | 2 (2%) | 9 | 42 |

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| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|---------------|-----------|----------|----------|-------------|-----|
| 13 | 2R | 116/118 (98%) | 98 (84%) | 17 (15%) | 1 (1%) | 17 | 56 |
| 14 | 1S | 108/110 (98%) | 96 (89%) | 12 (11%) | 0 | 100 | 100 |
| 14 | 2S | 108/110 (98%) | 94 (87%) | 14 (13%) | 0 | 100 | 100 |
| 15 | 1T | 129/131 (98%) | 122 (95%) | 6 (5%) | 1 (1%) | 19 | 58 |
| 15 | 2T | 129/131 (98%) | 120 (93%) | 8 (6%) | 1 (1%) | 19 | 58 |
| 16 | 1U | 114/116 (98%) | 109 (96%) | 5 (4%) | 0 | 100 | 100 |
| 16 | 2U | 114/116 (98%) | 111 (97%) | 3 (3%) | 0 | 100 | 100 |
| 17 | 1V | 99/101 (98%) | 91 (92%) | 8 (8%) | 0 | 100 | 100 |
| 17 | 2V | 99/101 (98%) | 91 (92%) | 7 (7%) | 1 (1%) | 15 | 54 |
| 18 | 1W | 110/112 (98%) | 100 (91%) | 10 (9%) | 0 | 100 | 100 |
| 18 | 2W | 110/112 (98%) | 104 (94%) | 6 (6%) | 0 | 100 | 100 |
| 19 | 1X | 93/95 (98%) | 90 (97%) | 2 (2%) | 1 (1%) | 14 | 51 |
| 19 | 2X | 93/95 (98%) | 88 (95%) | 5 (5%) | 0 | 100 | 100 |
| 20 | 1Y | 105/107 (98%) | 93 (89%) | 11 (10%) | 1 (1%) | 15 | 54 |
| 20 | 2Y | 105/107 (98%) | 93 (89%) | 11 (10%) | 1 (1%) | 15 | 54 |
| 21 | 1Z | 201/203 (99%) | 170 (85%) | 30 (15%) | 1 (0%) | 29 | 67 |
| 21 | 2Z | 201/203 (99%) | 174 (87%) | 26 (13%) | 1 (0%) | 29 | 67 |
| 22 | 10 | 75/77 (97%) | 67 (89%) | 8 (11%) | 0 | 100 | 100 |
| 22 | 20 | 75/77 (97%) | 67 (89%) | 8 (11%) | 0 | 100 | 100 |
| 23 | 11 | 95/97 (98%) | 90 (95%) | 5 (5%) | 0 | 100 | 100 |
| 23 | 21 | 95/97 (98%) | 90 (95%) | 5 (5%) | 0 | 100 | 100 |
| 24 | 12 | 68/70 (97%) | 64 (94%) | 4 (6%) | 0 | 100 | 100 |
| 24 | 22 | 68/70 (97%) | 63 (93%) | 5 (7%) | 0 | 100 | 100 |
| 25 | 13 | 57/59 (97%) | 52 (91%) | 4 (7%) | 1 (2%) | 8 | 41 |
| 25 | 23 | 57/59 (97%) | 51 (90%) | 6 (10%) | 0 | 100 | 100 |
| 26 | 14 | 67/69 (97%) | 52 (78%) | 11 (16%) | 4 (6%) | 1 | 12 |
| 26 | 24 | 67/69 (97%) | 51 (76%) | 12 (18%) | 4 (6%) | 1 | 12 |
| 27 | 15 | 57/59 (97%) | 53 (93%) | 4 (7%) | 0 | 100 | 100 |
| 27 | 25 | 57/59 (97%) | 54 (95%) | 3 (5%) | 0 | 100 | 100 |
| 28 | 16 | 51/53 (96%) | 47 (92%) | 4 (8%) | 0 | 100 | 100 |
| 28 | 26 | 51/53 (96%) | 48 (94%) | 3 (6%) | 0 | 100 | 100 |

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| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|---------------|-----------|----------|----------|-------------|-----|
| 29 | 17 | 46/48 (96%) | 44 (96%) | 2 (4%) | 0 | 100 | 100 |
| 29 | 27 | 46/48 (96%) | 43 (94%) | 3 (6%) | 0 | 100 | 100 |
| 30 | 18 | 62/64 (97%) | 60 (97%) | 2 (3%) | 0 | 100 | 100 |
| 30 | 28 | 62/64 (97%) | 59 (95%) | 3 (5%) | 0 | 100 | 100 |
| 31 | 19 | 35/37 (95%) | 35 (100%) | 0 | 0 | 100 | 100 |
| 31 | 29 | 35/37 (95%) | 34 (97%) | 1 (3%) | 0 | 100 | 100 |
| 33 | 1b | 229/231 (99%) | 174 (76%) | 39 (17%) | 16 (7%) | 1 | 8 |
| 33 | 2b | 229/231 (99%) | 174 (76%) | 40 (18%) | 15 (7%) | 1 | 9 |
| 34 | 1c | 204/206 (99%) | 175 (86%) | 26 (13%) | 3 (2%) | 10 | 44 |
| 34 | 2c | 204/206 (99%) | 173 (85%) | 27 (13%) | 4 (2%) | 7 | 38 |
| 35 | 1d | 206/208 (99%) | 176 (85%) | 24 (12%) | 6 (3%) | 4 | 28 |
| 35 | 2d | 206/208 (99%) | 172 (84%) | 29 (14%) | 5 (2%) | 6 | 34 |
| 36 | 1e | 146/148 (99%) | 124 (85%) | 20 (14%) | 2 (1%) | 11 | 46 |
| 36 | 2e | 146/148 (99%) | 125 (86%) | 20 (14%) | 1 (1%) | 22 | 61 |
| 37 | 1f | 98/100 (98%) | 88 (90%) | 9 (9%) | 1 (1%) | 15 | 54 |
| 37 | 2f | 98/100 (98%) | 87 (89%) | 10 (10%) | 1 (1%) | 15 | 54 |
| 38 | 1g | 153/155 (99%) | 133 (87%) | 18 (12%) | 2 (1%) | 12 | 47 |
| 38 | 2g | 153/155 (99%) | 132 (86%) | 18 (12%) | 3 (2%) | 7 | 38 |
| 39 | 1h | 135/137 (98%) | 122 (90%) | 13 (10%) | 0 | 100 | 100 |
| 39 | 2h | 135/137 (98%) | 123 (91%) | 12 (9%) | 0 | 100 | 100 |
| 40 | 1i | 125/127 (98%) | 105 (84%) | 16 (13%) | 4 (3%) | 4 | 26 |
| 40 | 2i | 125/127 (98%) | 105 (84%) | 15 (12%) | 5 (4%) | 3 | 21 |
| 41 | 1j | 95/97 (98%) | 76 (80%) | 17 (18%) | 2 (2%) | 7 | 37 |
| 41 | 2j | 95/97 (98%) | 72 (76%) | 20 (21%) | 3 (3%) | 4 | 26 |
| 42 | 1k | 112/114 (98%) | 97 (87%) | 15 (13%) | 0 | 100 | 100 |
| 42 | 2k | 112/114 (98%) | 97 (87%) | 14 (12%) | 1 (1%) | 17 | 56 |
| 43 | 1l | 119/122 (98%) | 100 (84%) | 19 (16%) | 0 | 100 | 100 |
| 43 | 2l | 119/122 (98%) | 104 (87%) | 15 (13%) | 0 | 100 | 100 |
| 44 | 1m | 114/116 (98%) | 99 (87%) | 13 (11%) | 2 (2%) | 8 | 41 |
| 44 | 2m | 114/116 (98%) | 101 (89%) | 10 (9%) | 3 (3%) | 5 | 31 |
| 45 | 1n | 58/60 (97%) | 52 (90%) | 5 (9%) | 1 (2%) | 9 | 42 |

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| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|-------------------|-------------|------------|----------|-------------|-----|
| 45 | 2n | 58/60 (97%) | 53 (91%) | 5 (9%) | 0 | 100 | 100 |
| 46 | 1o | 86/88 (98%) | 76 (88%) | 9 (10%) | 1 (1%) | 13 | 49 |
| 46 | 2o | 86/88 (98%) | 79 (92%) | 6 (7%) | 1 (1%) | 13 | 49 |
| 47 | 1p | 80/82 (98%) | 59 (74%) | 19 (24%) | 2 (2%) | 5 | 32 |
| 47 | 2p | 80/82 (98%) | 60 (75%) | 19 (24%) | 1 (1%) | 12 | 47 |
| 48 | 1q | 97/99 (98%) | 87 (90%) | 7 (7%) | 3 (3%) | 4 | 26 |
| 48 | 2q | 97/99 (98%) | 85 (88%) | 9 (9%) | 3 (3%) | 4 | 26 |
| 49 | 1r | 66/68 (97%) | 55 (83%) | 9 (14%) | 2 (3%) | 4 | 28 |
| 49 | 2r | 66/68 (97%) | 56 (85%) | 8 (12%) | 2 (3%) | 4 | 28 |
| 50 | 1s | 81/83 (98%) | 74 (91%) | 6 (7%) | 1 (1%) | 13 | 49 |
| 50 | 2s | 81/83 (98%) | 71 (88%) | 9 (11%) | 1 (1%) | 13 | 49 |
| 51 | 1t | 94/96 (98%) | 74 (79%) | 16 (17%) | 4 (4%) | 2 | 20 |
| 51 | 2t | 94/96 (98%) | 74 (79%) | 16 (17%) | 4 (4%) | 2 | 20 |
| 52 | 1u | 21/23 (91%) | 15 (71%) | 5 (24%) | 1 (5%) | 2 | 17 |
| 52 | 2u | 21/23 (91%) | 17 (81%) | 3 (14%) | 1 (5%) | 2 | 17 |
| 53 | 1y | 20/22 (91%) | 12 (60%) | 4 (20%) | 4 (20%) | 0 | 0 |
| 54 | 1z | 95/97 (98%) | 89 (94%) | 5 (5%) | 1 (1%) | 14 | 51 |
| 54 | 2z | 95/97 (98%) | 90 (95%) | 5 (5%) | 0 | 100 | 100 |
| All | All | 11656/11860 (98%) | 10281 (88%) | 1200 (10%) | 175 (2%) | 10 | 44 |

5 of 175 Ramachandran outliers are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 5 | 1F | 130 | ALA |
| 6 | 1G | 47 | LYS |
| 6 | 1G | 126 | ASP |
| 20 | 1Y | 92 | ASN |
| 21 | 1Z | 31 | ARG |

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was

analysed, and the total number of residues.

| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|----------------|-----------|----------|-------------|----|
| 3 | 1D | 214/217 (99%) | 188 (88%) | 26 (12%) | 5 | 22 |
| 3 | 2D | 214/217 (99%) | 191 (89%) | 23 (11%) | 6 | 27 |
| 4 | 1E | 164/165 (99%) | 143 (87%) | 21 (13%) | 4 | 20 |
| 4 | 2E | 164/165 (99%) | 146 (89%) | 18 (11%) | 6 | 26 |
| 5 | 1F | 160/161 (99%) | 132 (82%) | 28 (18%) | 2 | 9 |
| 5 | 2F | 160/161 (99%) | 139 (87%) | 21 (13%) | 4 | 19 |
| 6 | 1G | 144/155 (93%) | 127 (88%) | 17 (12%) | 5 | 23 |
| 6 | 2G | 144/155 (93%) | 132 (92%) | 12 (8%) | 11 | 40 |
| 7 | 1H | 144/145 (99%) | 134 (93%) | 10 (7%) | 15 | 49 |
| 7 | 2H | 144/145 (99%) | 134 (93%) | 10 (7%) | 15 | 49 |
| 8 | 1I | 111/123 (90%) | 87 (78%) | 24 (22%) | 1 | 5 |
| 8 | 2I | 111/123 (90%) | 91 (82%) | 20 (18%) | 1 | 9 |
| 9 | 1N | 119/119 (100%) | 103 (87%) | 16 (13%) | 4 | 18 |
| 9 | 2N | 119/119 (100%) | 102 (86%) | 17 (14%) | 3 | 15 |
| 10 | 1O | 100/100 (100%) | 90 (90%) | 10 (10%) | 7 | 30 |
| 10 | 2O | 100/100 (100%) | 93 (93%) | 7 (7%) | 15 | 48 |
| 11 | 1P | 115/116 (99%) | 102 (89%) | 13 (11%) | 6 | 25 |
| 11 | 2P | 115/116 (99%) | 103 (90%) | 12 (10%) | 7 | 28 |
| 12 | 1Q | 111/111 (100%) | 100 (90%) | 11 (10%) | 8 | 30 |
| 12 | 2Q | 111/111 (100%) | 100 (90%) | 11 (10%) | 8 | 30 |
| 13 | 1R | 101/101 (100%) | 84 (83%) | 17 (17%) | 2 | 10 |
| 13 | 2R | 101/101 (100%) | 88 (87%) | 13 (13%) | 4 | 19 |
| 14 | 1S | 87/87 (100%) | 74 (85%) | 13 (15%) | 3 | 14 |
| 14 | 2S | 87/87 (100%) | 77 (88%) | 10 (12%) | 5 | 24 |
| 15 | 1T | 115/115 (100%) | 104 (90%) | 11 (10%) | 8 | 32 |
| 15 | 2T | 115/115 (100%) | 107 (93%) | 8 (7%) | 15 | 48 |
| 16 | 1U | 93/93 (100%) | 80 (86%) | 13 (14%) | 3 | 16 |
| 16 | 2U | 93/93 (100%) | 81 (87%) | 12 (13%) | 4 | 19 |
| 17 | 1V | 81/82 (99%) | 69 (85%) | 12 (15%) | 3 | 14 |
| 17 | 2V | 81/82 (99%) | 74 (91%) | 7 (9%) | 10 | 38 |
| 18 | 1W | 90/91 (99%) | 79 (88%) | 11 (12%) | 5 | 22 |

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| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|---------------|-----------|----------|-------------|----|
| 18 | 2W | 90/91 (99%) | 77 (86%) | 13 (14%) | 3 | 15 |
| 19 | 1X | 77/77 (100%) | 74 (96%) | 3 (4%) | 32 | 67 |
| 19 | 2X | 77/77 (100%) | 72 (94%) | 5 (6%) | 17 | 51 |
| 20 | 1Y | 86/88 (98%) | 75 (87%) | 11 (13%) | 4 | 20 |
| 20 | 2Y | 86/88 (98%) | 76 (88%) | 10 (12%) | 5 | 24 |
| 21 | 1Z | 169/176 (96%) | 147 (87%) | 22 (13%) | 4 | 19 |
| 21 | 2Z | 169/176 (96%) | 147 (87%) | 22 (13%) | 4 | 19 |
| 22 | 10 | 61/62 (98%) | 60 (98%) | 1 (2%) | 62 | 84 |
| 22 | 20 | 61/62 (98%) | 58 (95%) | 3 (5%) | 25 | 61 |
| 23 | 11 | 79/82 (96%) | 72 (91%) | 7 (9%) | 9 | 35 |
| 23 | 21 | 79/82 (96%) | 74 (94%) | 5 (6%) | 18 | 52 |
| 24 | 12 | 65/66 (98%) | 59 (91%) | 6 (9%) | 9 | 33 |
| 24 | 22 | 65/66 (98%) | 60 (92%) | 5 (8%) | 13 | 44 |
| 25 | 13 | 51/51 (100%) | 41 (80%) | 10 (20%) | 1 | 7 |
| 25 | 23 | 51/51 (100%) | 44 (86%) | 7 (14%) | 3 | 17 |
| 26 | 14 | 58/62 (94%) | 48 (83%) | 10 (17%) | 2 | 10 |
| 26 | 24 | 58/62 (94%) | 49 (84%) | 9 (16%) | 2 | 12 |
| 27 | 15 | 51/51 (100%) | 45 (88%) | 6 (12%) | 5 | 23 |
| 27 | 25 | 51/51 (100%) | 46 (90%) | 5 (10%) | 8 | 31 |
| 28 | 16 | 51/51 (100%) | 43 (84%) | 8 (16%) | 2 | 12 |
| 28 | 26 | 51/51 (100%) | 46 (90%) | 5 (10%) | 8 | 31 |
| 29 | 17 | 41/41 (100%) | 34 (83%) | 7 (17%) | 2 | 10 |
| 29 | 27 | 41/41 (100%) | 34 (83%) | 7 (17%) | 2 | 10 |
| 30 | 18 | 54/54 (100%) | 49 (91%) | 5 (9%) | 9 | 33 |
| 30 | 28 | 54/54 (100%) | 49 (91%) | 5 (9%) | 9 | 33 |
| 31 | 19 | 34/34 (100%) | 30 (88%) | 4 (12%) | 5 | 23 |
| 31 | 29 | 34/34 (100%) | 30 (88%) | 4 (12%) | 5 | 23 |
| 33 | 1b | 191/199 (96%) | 163 (85%) | 28 (15%) | 3 | 14 |
| 33 | 2b | 191/199 (96%) | 159 (83%) | 32 (17%) | 2 | 10 |
| 34 | 1c | 144/160 (90%) | 128 (89%) | 16 (11%) | 6 | 25 |
| 34 | 2c | 144/160 (90%) | 133 (92%) | 11 (8%) | 13 | 45 |

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| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|----------------|-----------|----------|-------------|----|
| 35 | 1d | 171/180 (95%) | 143 (84%) | 28 (16%) | 2 | 11 |
| 35 | 2d | 171/180 (95%) | 148 (86%) | 23 (14%) | 4 | 18 |
| 36 | 1e | 114/114 (100%) | 105 (92%) | 9 (8%) | 12 | 43 |
| 36 | 2e | 114/114 (100%) | 103 (90%) | 11 (10%) | 8 | 32 |
| 37 | 1f | 85/90 (94%) | 78 (92%) | 7 (8%) | 11 | 41 |
| 37 | 2f | 85/90 (94%) | 80 (94%) | 5 (6%) | 19 | 54 |
| 38 | 1g | 120/126 (95%) | 110 (92%) | 10 (8%) | 11 | 40 |
| 38 | 2g | 120/126 (95%) | 112 (93%) | 8 (7%) | 16 | 50 |
| 39 | 1h | 116/118 (98%) | 106 (91%) | 10 (9%) | 10 | 38 |
| 39 | 2h | 116/118 (98%) | 107 (92%) | 9 (8%) | 12 | 43 |
| 40 | 1i | 91/98 (93%) | 74 (81%) | 17 (19%) | 1 | 8 |
| 40 | 2i | 91/98 (93%) | 77 (85%) | 14 (15%) | 2 | 13 |
| 41 | 1j | 68/87 (78%) | 62 (91%) | 6 (9%) | 10 | 36 |
| 41 | 2j | 68/87 (78%) | 60 (88%) | 8 (12%) | 5 | 23 |
| 42 | 1k | 83/86 (96%) | 77 (93%) | 6 (7%) | 14 | 47 |
| 42 | 2k | 83/86 (96%) | 77 (93%) | 6 (7%) | 14 | 47 |
| 43 | 1l | 96/102 (94%) | 88 (92%) | 8 (8%) | 11 | 40 |
| 43 | 2l | 96/102 (94%) | 89 (93%) | 7 (7%) | 14 | 46 |
| 44 | 1m | 90/94 (96%) | 83 (92%) | 7 (8%) | 12 | 43 |
| 44 | 2m | 90/94 (96%) | 82 (91%) | 8 (9%) | 9 | 35 |
| 45 | 1n | 49/49 (100%) | 42 (86%) | 7 (14%) | 3 | 15 |
| 45 | 2n | 49/49 (100%) | 42 (86%) | 7 (14%) | 3 | 15 |
| 46 | 1o | 78/79 (99%) | 75 (96%) | 3 (4%) | 33 | 67 |
| 46 | 2o | 78/79 (99%) | 75 (96%) | 3 (4%) | 33 | 67 |
| 47 | 1p | 69/71 (97%) | 55 (80%) | 14 (20%) | 1 | 6 |
| 47 | 2p | 69/71 (97%) | 56 (81%) | 13 (19%) | 1 | 8 |
| 48 | 1q | 94/94 (100%) | 88 (94%) | 6 (6%) | 17 | 52 |
| 48 | 2q | 94/94 (100%) | 89 (95%) | 5 (5%) | 22 | 58 |
| 49 | 1r | 59/59 (100%) | 54 (92%) | 5 (8%) | 10 | 38 |
| 49 | 2r | 59/59 (100%) | 54 (92%) | 5 (8%) | 10 | 38 |
| 50 | 1s | 68/72 (94%) | 61 (90%) | 7 (10%) | 7 | 29 |

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| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles |
|-----|-------|-----------------|------------|------------|-------------|
| 50 | 2s | 68/72 (94%) | 61 (90%) | 7 (10%) | 7 29 |
| 51 | 1t | 71/74 (96%) | 63 (89%) | 8 (11%) | 6 25 |
| 51 | 2t | 71/74 (96%) | 64 (90%) | 7 (10%) | 8 30 |
| 52 | 1u | 18/18 (100%) | 16 (89%) | 2 (11%) | 6 25 |
| 52 | 2u | 18/18 (100%) | 17 (94%) | 1 (6%) | 21 57 |
| 53 | 1y | 16/21 (76%) | 10 (62%) | 6 (38%) | 0 0 |
| 54 | 1z | 82/83 (99%) | 80 (98%) | 2 (2%) | 49 77 |
| 54 | 2z | 82/83 (99%) | 80 (98%) | 2 (2%) | 49 77 |
| All | All | 9582/9879 (97%) | 8519 (89%) | 1063 (11%) | 6 25 |

5 of 1063 residues with a non-rotameric sidechain are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 35 | 2d | 122 | ARG |
| 38 | 2g | 6 | ARG |
| 35 | 2d | 89 | THR |
| 48 | 2q | 86 | GLU |
| 34 | 1c | 67 | THR |

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 131 such sidechains are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 40 | 2i | 58 | HIS |
| 41 | 2j | 56 | HIS |
| 54 | 2z | 90 | HIS |
| 38 | 1g | 86 | GLN |
| 38 | 1g | 28 | ASN |

5.3.3 RNA [i](#)

| Mol | Chain | Analysed | Backbone Outliers | Pucker Outliers |
|-----|-------|-----------------|-------------------|-----------------|
| 1 | 1A | 2863/2901 (98%) | 614 (21%) | 46 (1%) |
| 1 | 2A | 2862/2901 (98%) | 613 (21%) | 51 (1%) |
| 2 | 1B | 119/120 (99%) | 15 (12%) | 0 |
| 2 | 2B | 119/120 (99%) | 19 (15%) | 1 (0%) |
| 32 | 1a | 1494/1507 (99%) | 245 (16%) | 0 |
| 32 | 2a | 1494/1507 (99%) | 242 (16%) | 0 |

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| Mol | Chain | Analysed | Backbone Outliers | Pucker Outliers |
|-----|-------|-----------------|-------------------|-----------------|
| All | All | 8951/9056 (98%) | 1748 (19%) | 98 (1%) |

5 of 1748 RNA backbone outliers are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 1 | 1A | 11 | G |
| 1 | 1A | 12 | U |
| 1 | 1A | 14 | A |
| 1 | 1A | 23 | G |
| 1 | 1A | 34 | C |

5 of 98 RNA pucker outliers are listed below:

| Mol | Chain | Res | Type |
|-----|-------|------|------|
| 1 | 2A | 827 | U |
| 1 | 2A | 1240 | U |
| 1 | 2A | 888 | C |
| 1 | 2A | 1065 | U |
| 1 | 2A | 1395 | A |

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

48 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|------|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 32 | 7MG | 2a | 527 | 32,55 | 22,26,27 | 2.53 | 8 (36%) | 29,39,42 | 1.98 | 8 (27%) |
| 1 | 5MU | 1A | 1915 | 1 | 19,22,23 | 1.14 | 1 (5%) | 28,32,35 | 1.59 | 6 (21%) |
| 32 | 7MG | 1a | 527 | 32,55 | 22,26,27 | 2.24 | 7 (31%) | 29,39,42 | 1.75 | 8 (27%) |
| 1 | OMG | 1A | 2251 | 1 | 18,26,27 | 1.69 | 6 (33%) | 19,38,41 | 1.63 | 5 (26%) |
| 1 | PSU | 1A | 2605 | 1 | 18,21,22 | 1.92 | 5 (27%) | 22,30,33 | 1.34 | 3 (13%) |
| 1 | PSU | 2A | 1911 | 1 | 18,21,22 | 1.71 | 3 (16%) | 22,30,33 | 1.32 | 3 (13%) |
| 1 | OMG | 2A | 2251 | 1 | 18,26,27 | 1.79 | 4 (22%) | 19,38,41 | 2.06 | 7 (36%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|------|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 32 | MA6 | 2a | 1519 | 32 | 19,26,27 | 1.02 | 1 (5%) | 18,38,41 | 4.44 | 3 (16%) |
| 32 | 5MC | 2a | 967 | 32 | 18,22,23 | 0.76 | 0 | 26,32,35 | 1.35 | 4 (15%) |
| 32 | 4OC | 1a | 1402 | 32 | 20,23,24 | 2.52 | 8 (40%) | 26,32,35 | 1.15 | 2 (7%) |
| 32 | 5MC | 1a | 1404 | 32 | 18,22,23 | 1.01 | 1 (5%) | 26,32,35 | 1.43 | 5 (19%) |
| 1 | PSU | 2A | 2605 | 1 | 18,21,22 | 1.65 | 2 (11%) | 22,30,33 | 1.80 | 3 (13%) |
| 32 | M2G | 2a | 966 | 32 | 20,27,28 | 3.05 | 6 (30%) | 22,40,43 | 1.29 | 3 (13%) |
| 1 | 2MA | 2A | 2503 | 1,55 | 17,25,26 | 1.67 | 3 (17%) | 17,37,40 | 0.93 | 1 (5%) |
| 32 | MA6 | 1a | 1518 | 32 | 19,26,27 | 1.07 | 1 (5%) | 18,38,41 | 5.51 | 3 (16%) |
| 32 | 5MC | 2a | 1400 | 32 | 18,22,23 | 1.29 | 2 (11%) | 26,32,35 | 1.53 | 5 (19%) |
| 1 | 4OC | 1A | 1920 | 1 | 19,22,24 | 2.41 | 7 (36%) | 26,31,35 | 1.40 | 4 (15%) |
| 32 | 5MC | 2a | 1404 | 32 | 18,22,23 | 0.99 | 1 (5%) | 26,32,35 | 1.38 | 3 (11%) |
| 32 | 4OC | 2a | 1402 | 32 | 20,23,24 | 2.40 | 8 (40%) | 26,32,35 | 1.33 | 2 (7%) |
| 32 | PSU | 2a | 516 | 32,55 | 18,21,22 | 1.68 | 4 (22%) | 22,30,33 | 2.18 | 4 (18%) |
| 32 | 2MG | 1a | 1207 | 32,55 | 18,26,27 | 1.97 | 4 (22%) | 16,38,41 | 1.60 | 3 (18%) |
| 1 | PSU | 2A | 1917 | 1 | 18,21,22 | 1.15 | 1 (5%) | 22,30,33 | 1.63 | 5 (22%) |
| 1 | 5MC | 1A | 1962 | 1 | 18,22,23 | 0.94 | 0 | 26,32,35 | 1.69 | 4 (15%) |
| 1 | 5MU | 2A | 1939 | 1 | 19,22,23 | 1.39 | 2 (10%) | 28,32,35 | 1.65 | 4 (14%) |
| 1 | 4OC | 2A | 1920 | 1 | 19,22,24 | 2.46 | 7 (36%) | 26,31,35 | 0.82 | 0 |
| 43 | 0TD | 2l | 92 | 43 | 7,9,10 | 2.46 | 1 (14%) | 6,11,13 | 3.00 | 3 (50%) |
| 43 | 0TD | 1l | 92 | 43 | 7,9,10 | 2.42 | 2 (28%) | 6,11,13 | 3.59 | 4 (66%) |
| 32 | UR3 | 2a | 1498 | 32 | 19,22,23 | 2.02 | 4 (21%) | 26,32,35 | 1.37 | 4 (15%) |
| 1 | 5MU | 1A | 1939 | 1 | 19,22,23 | 1.45 | 4 (21%) | 28,32,35 | 1.55 | 4 (14%) |
| 32 | M2G | 1a | 966 | 32 | 20,27,28 | 3.00 | 5 (25%) | 22,40,43 | 1.50 | 4 (18%) |
| 1 | 5MC | 2A | 1942 | 1 | 18,22,23 | 1.03 | 1 (5%) | 26,32,35 | 1.20 | 3 (11%) |
| 1 | 2MA | 1A | 2503 | 1,55 | 17,25,26 | 1.77 | 4 (23%) | 17,37,40 | 1.32 | 3 (17%) |
| 32 | MA6 | 2a | 1518 | 32 | 19,26,27 | 1.17 | 3 (15%) | 18,38,41 | 4.33 | 4 (22%) |
| 1 | 5MC | 1A | 1942 | 1 | 18,22,23 | 1.58 | 4 (22%) | 26,32,35 | 1.23 | 3 (11%) |
| 32 | 5MC | 1a | 1407 | 32 | 18,22,23 | 1.34 | 2 (11%) | 26,32,35 | 1.22 | 4 (15%) |
| 1 | 5MC | 2A | 1962 | 1,55 | 18,22,23 | 1.29 | 3 (16%) | 26,32,35 | 1.26 | 3 (11%) |
| 32 | UR3 | 1a | 1498 | 32 | 19,22,23 | 2.03 | 4 (21%) | 26,32,35 | 1.36 | 2 (7%) |
| 1 | PSU | 1A | 1911 | 1 | 18,21,22 | 1.32 | 3 (16%) | 22,30,33 | 1.72 | 6 (27%) |
| 1 | PSU | 1A | 1917 | 1 | 18,21,22 | 1.11 | 1 (5%) | 22,30,33 | 1.63 | 5 (22%) |
| 32 | 2MG | 2a | 1207 | 32,55 | 18,26,27 | 1.93 | 3 (16%) | 16,38,41 | 1.64 | 3 (18%) |
| 32 | 5MC | 1a | 1400 | 32 | 18,22,23 | 1.37 | 1 (5%) | 26,32,35 | 1.88 | 6 (23%) |
| 1 | 2MU | 2A | 2552 | 1,55 | 19,22,24 | 6.67 | 10 (52%) | 26,31,36 | 2.67 | 9 (34%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|------|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 32 | 5MC | 2a | 1407 | 32 | 18,22,23 | 1.13 | 2 (11%) | 26,32,35 | 1.26 | 2 (7%) |
| 32 | MA6 | 1a | 1519 | 32 | 19,26,27 | 1.06 | 2 (10%) | 18,38,41 | 5.04 | 3 (16%) |
| 32 | PSU | 1a | 516 | 32,55 | 18,21,22 | 1.28 | 3 (16%) | 22,30,33 | 1.83 | 6 (27%) |
| 1 | 5MU | 2A | 1915 | 1 | 19,22,23 | 1.49 | 2 (10%) | 28,32,35 | 1.37 | 3 (10%) |
| 32 | 5MC | 1a | 967 | 32 | 18,22,23 | 0.91 | 0 | 26,32,35 | 1.24 | 4 (15%) |
| 1 | 2MU | 1A | 2552 | 1,55 | 19,22,24 | 6.54 | 9 (47%) | 26,31,36 | 2.87 | 10 (38%) |

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|------|-------|---------|-----------|---------|
| 32 | 7MG | 2a | 527 | 32,55 | - | 2/7/37/38 | 0/3/3/3 |
| 1 | 5MU | 1A | 1915 | 1 | - | 2/7/25/26 | 0/2/2/2 |
| 32 | 7MG | 1a | 527 | 32,55 | - | 2/7/37/38 | 0/3/3/3 |
| 1 | OMG | 1A | 2251 | 1 | - | 1/5/27/28 | 0/3/3/3 |
| 1 | PSU | 1A | 2605 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | PSU | 2A | 1911 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | OMG | 2A | 2251 | 1 | - | 1/5/27/28 | 0/3/3/3 |
| 32 | MA6 | 2a | 1519 | 32 | - | 3/7/29/30 | 0/3/3/3 |
| 32 | 5MC | 2a | 967 | 32 | - | 0/7/25/26 | 0/2/2/2 |
| 32 | 4OC | 1a | 1402 | 32 | - | 2/9/29/30 | 0/2/2/2 |
| 32 | 5MC | 1a | 1404 | 32 | - | 2/7/25/26 | 0/2/2/2 |
| 1 | PSU | 2A | 2605 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 32 | M2G | 2a | 966 | 32 | - | 2/7/29/30 | 0/3/3/3 |
| 1 | 2MA | 2A | 2503 | 1,55 | - | 2/3/25/26 | 0/3/3/3 |
| 32 | MA6 | 1a | 1518 | 32 | - | 3/7/29/30 | 0/3/3/3 |
| 32 | 5MC | 2a | 1400 | 32 | - | 2/7/25/26 | 0/2/2/2 |
| 1 | 4OC | 1A | 1920 | 1 | - | 2/9/27/30 | 0/2/2/2 |
| 32 | 5MC | 2a | 1404 | 32 | - | 0/7/25/26 | 0/2/2/2 |
| 32 | 4OC | 2a | 1402 | 32 | - | 0/9/29/30 | 0/2/2/2 |
| 32 | PSU | 2a | 516 | 32,55 | - | 0/7/25/26 | 0/2/2/2 |
| 32 | 2MG | 1a | 1207 | 32,55 | - | 0/5/27/28 | 0/3/3/3 |
| 1 | PSU | 2A | 1917 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 5MC | 1A | 1962 | 1 | - | 1/7/25/26 | 0/2/2/2 |
| 1 | 5MU | 2A | 1939 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 4OC | 2A | 1920 | 1 | - | 0/9/27/30 | 0/2/2/2 |
| 43 | 0TD | 2l | 92 | 43 | - | 3/7/12/14 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|------|-------|---------|-----------|---------|
| 43 | 0TD | 1l | 92 | 43 | - | 5/7/12/14 | - |
| 32 | UR3 | 2a | 1498 | 32 | - | 2/7/25/26 | 0/2/2/2 |
| 1 | 5MU | 1A | 1939 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 32 | M2G | 1a | 966 | 32 | - | 0/7/29/30 | 0/3/3/3 |
| 1 | 5MC | 2A | 1942 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 2MA | 1A | 2503 | 1,55 | - | 1/3/25/26 | 0/3/3/3 |
| 32 | MA6 | 2a | 1518 | 32 | - | 1/7/29/30 | 0/3/3/3 |
| 1 | 5MC | 1A | 1942 | 1 | - | 2/7/25/26 | 0/2/2/2 |
| 32 | 5MC | 1a | 1407 | 32 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 5MC | 2A | 1962 | 1,55 | - | 4/7/25/26 | 0/2/2/2 |
| 32 | UR3 | 1a | 1498 | 32 | - | 1/7/25/26 | 0/2/2/2 |
| 1 | PSU | 1A | 1911 | 1 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | PSU | 1A | 1917 | 1 | - | 3/7/25/26 | 0/2/2/2 |
| 32 | 2MG | 2a | 1207 | 32,55 | - | 0/5/27/28 | 0/3/3/3 |
| 32 | 5MC | 1a | 1400 | 32 | - | 2/7/25/26 | 0/2/2/2 |
| 1 | 2MU | 2A | 2552 | 1,55 | - | 0/9/27/28 | 0/2/2/2 |
| 32 | 5MC | 2a | 1407 | 32 | - | 1/7/25/26 | 0/2/2/2 |
| 32 | MA6 | 1a | 1519 | 32 | - | 2/7/29/30 | 0/3/3/3 |
| 32 | PSU | 1a | 516 | 32,55 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 5MU | 2A | 1915 | 1 | - | 2/7/25/26 | 0/2/2/2 |
| 32 | 5MC | 1a | 967 | 32 | - | 0/7/25/26 | 0/2/2/2 |
| 1 | 2MU | 1A | 2552 | 1,55 | - | 0/9/27/28 | 0/2/2/2 |

The worst 5 of 165 bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|------|------|-------|--------|-------------|----------|
| 1 | 1A | 2552 | 2MU | C4-N3 | -15.00 | 1.11 | 1.38 |
| 1 | 2A | 2552 | 2MU | C4-N3 | -14.99 | 1.11 | 1.38 |
| 1 | 2A | 2552 | 2MU | C5-C4 | 14.95 | 1.76 | 1.43 |
| 1 | 1A | 2552 | 2MU | C5-C4 | 14.26 | 1.75 | 1.43 |
| 32 | 2a | 966 | M2G | C2-N3 | 11.34 | 1.44 | 1.30 |

The worst 5 of 196 bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|------|------|----------|--------|-------------|----------|
| 32 | 1a | 1518 | MA6 | N1-C6-N6 | -20.86 | 95.10 | 117.06 |
| 32 | 1a | 1519 | MA6 | N1-C6-N6 | -20.17 | 95.83 | 117.06 |
| 32 | 2a | 1519 | MA6 | N1-C6-N6 | -17.80 | 98.32 | 117.06 |
| 32 | 2a | 1518 | MA6 | N1-C6-N6 | -16.69 | 99.49 | 117.06 |
| 32 | 2a | 516 | PSU | C6-C5-C4 | 7.96 | 123.77 | 118.20 |

There are no chirality outliers.

5 of 56 torsion outliers are listed below:

| Mol | Chain | Res | Type | Atoms |
|-----|-------|------|------|-----------------|
| 1 | 1A | 1915 | 5MU | O4'-C1'-N1-C2 |
| 1 | 1A | 1915 | 5MU | O4'-C1'-N1-C6 |
| 1 | 1A | 1917 | PSU | C2'-C1'-C5-C4 |
| 1 | 1A | 1917 | PSU | O4'-C4'-C5'-O5' |
| 43 | 1l | 92 | 0TD | CA-CB-SB-CSB |

There are no ring outliers.

No monomer is involved in short contacts.

5.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 2708 ligands modelled in this entry, 2706 are monoatomic - leaving 2 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 57 | SF4 | 2d | 501 | 35 | 0,12,12 | - | - | - | | |
| 57 | SF4 | 1d | 302 | 35 | 0,12,12 | - | - | - | | |

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|---------|----------|---------|
| 57 | SF4 | 2d | 501 | 35 | - | - | 0/6/5/5 |
| 57 | SF4 | 1d | 302 | 35 | - | - | 0/6/5/5 |

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

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 | 1A | 2861/2901 (98%) | -0.21 | 86 (3%) 50 34 | 9, 28, 117, 139 | 0 |
| 1 | 2A | 2861/2901 (98%) | -0.19 | 100 (3%) 44 28 | 23, 45, 119, 140 | 0 |
| 2 | 1B | 120/120 (100%) | -0.53 | 0 100 100 | 20, 48, 70, 100 | 0 |
| 2 | 2B | 120/120 (100%) | -0.42 | 0 100 100 | 47, 69, 82, 106 | 0 |
| 3 | 1D | 275/275 (100%) | -0.51 | 0 100 100 | 12, 26, 43, 74 | 0 |
| 3 | 2D | 275/275 (100%) | -0.40 | 0 100 100 | 21, 38, 51, 72 | 0 |
| 4 | 1E | 204/204 (100%) | -0.46 | 0 100 100 | 10, 29, 55, 71 | 0 |
| 4 | 2E | 204/204 (100%) | -0.28 | 0 100 100 | 22, 44, 63, 82 | 0 |
| 5 | 1F | 203/203 (100%) | -0.39 | 1 (0%) 91 86 | 8, 31, 65, 93 | 0 |
| 5 | 2F | 203/203 (100%) | -0.36 | 0 100 100 | 23, 52, 77, 96 | 0 |
| 6 | 1G | 181/181 (100%) | -0.32 | 1 (0%) 89 83 | 43, 68, 90, 101 | 0 |
| 6 | 2G | 181/181 (100%) | 0.32 | 14 (7%) 13 7 | 66, 84, 98, 106 | 0 |
| 7 | 1H | 174/174 (100%) | -0.47 | 1 (0%) 89 83 | 26, 43, 62, 76 | 0 |
| 7 | 2H | 174/174 (100%) | 0.40 | 11 (6%) 20 11 | 52, 72, 82, 93 | 0 |
| 8 | 1I | 147/147 (100%) | -0.16 | 0 100 100 | 37, 73, 88, 93 | 0 |
| 8 | 2I | 147/147 (100%) | 0.22 | 7 (4%) 30 18 | 47, 85, 97, 102 | 0 |
| 9 | 1N | 140/140 (100%) | -0.45 | 0 100 100 | 17, 28, 59, 66 | 0 |
| 9 | 2N | 140/140 (100%) | -0.16 | 1 (0%) 87 81 | 33, 49, 70, 79 | 0 |
| 10 | 1O | 122/122 (100%) | -0.43 | 0 100 100 | 16, 29, 48, 57 | 0 |
| 10 | 2O | 122/122 (100%) | -0.41 | 0 100 100 | 29, 41, 59, 66 | 0 |
| 11 | 1P | 149/149 (100%) | -0.33 | 0 100 100 | 8, 37, 57, 83 | 0 |
| 11 | 2P | 149/149 (100%) | -0.04 | 2 (1%) 77 65 | 28, 55, 78, 86 | 0 |
| 12 | 1Q | 141/141 (100%) | -0.38 | 0 100 100 | 20, 32, 46, 72 | 0 |
| 12 | 2Q | 141/141 (100%) | -0.35 | 0 100 100 | 35, 50, 64, 81 | 0 |

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| Mol | Chain | Analysed | <RSRZ> | #RSRZ>2 | OWAB(Å ²) | Q<0.9 |
|-----|-------|----------------|--------|--------------|-----------------------|-------|
| 13 | 1R | 118/118 (100%) | -0.51 | 0 100 100 | 14, 23, 39, 58 | 0 |
| 13 | 2R | 118/118 (100%) | -0.26 | 0 100 100 | 27, 38, 53, 66 | 0 |
| 14 | 1S | 110/110 (100%) | -0.34 | 0 100 100 | 29, 45, 60, 69 | 0 |
| 14 | 2S | 110/110 (100%) | 0.14 | 4 (3%) 42 27 | 50, 64, 79, 82 | 0 |
| 15 | 1T | 131/131 (100%) | -0.47 | 0 100 100 | 23, 35, 71, 88 | 0 |
| 15 | 2T | 131/131 (100%) | -0.39 | 0 100 100 | 33, 47, 80, 92 | 0 |
| 16 | 1U | 116/116 (100%) | -0.60 | 0 100 100 | 10, 19, 39, 60 | 0 |
| 16 | 2U | 116/116 (100%) | -0.36 | 0 100 100 | 27, 44, 60, 66 | 0 |
| 17 | 1V | 101/101 (100%) | -0.38 | 0 100 100 | 11, 29, 50, 65 | 0 |
| 17 | 2V | 101/101 (100%) | -0.31 | 0 100 100 | 24, 54, 70, 75 | 0 |
| 18 | 1W | 112/112 (100%) | -0.50 | 0 100 100 | 10, 19, 42, 99 | 0 |
| 18 | 2W | 112/112 (100%) | -0.42 | 0 100 100 | 23, 34, 57, 97 | 0 |
| 19 | 1X | 95/95 (100%) | -0.37 | 0 100 100 | 17, 27, 51, 68 | 0 |
| 19 | 2X | 95/95 (100%) | -0.08 | 0 100 100 | 35, 46, 66, 76 | 0 |
| 20 | 1Y | 107/107 (100%) | -0.27 | 1 (0%) 84 75 | 23, 41, 68, 78 | 0 |
| 20 | 2Y | 107/107 (100%) | 0.59 | 9 (8%) 11 6 | 43, 61, 78, 87 | 0 |
| 21 | 1Z | 203/203 (100%) | -0.38 | 0 100 100 | 32, 57, 79, 96 | 0 |
| 21 | 2Z | 203/203 (100%) | 0.03 | 5 (2%) 57 43 | 53, 71, 89, 104 | 0 |
| 22 | 10 | 77/77 (100%) | -0.25 | 1 (1%) 77 65 | 20, 30, 52, 63 | 0 |
| 22 | 20 | 77/77 (100%) | 0.33 | 8 (10%) 6 4 | 37, 48, 62, 70 | 0 |
| 23 | 11 | 97/97 (100%) | 0.07 | 2 (2%) 63 49 | 17, 36, 68, 83 | 0 |
| 23 | 21 | 97/97 (100%) | -0.18 | 1 (1%) 82 72 | 30, 46, 74, 85 | 0 |
| 24 | 12 | 70/70 (100%) | -0.40 | 0 100 100 | 26, 41, 57, 87 | 0 |
| 24 | 22 | 70/70 (100%) | 0.07 | 2 (2%) 51 36 | 47, 61, 74, 84 | 0 |
| 25 | 13 | 59/59 (100%) | -0.22 | 0 100 100 | 16, 26, 60, 79 | 0 |
| 25 | 23 | 59/59 (100%) | 0.62 | 3 (5%) 28 16 | 36, 48, 71, 93 | 0 |
| 26 | 14 | 69/69 (100%) | -0.09 | 4 (5%) 23 13 | 62, 92, 109, 110 | 0 |
| 26 | 24 | 69/69 (100%) | 0.38 | 7 (10%) 7 4 | 76, 100, 113, 119 | 0 |
| 27 | 15 | 59/59 (100%) | -0.61 | 0 100 100 | 10, 24, 45, 62 | 0 |
| 27 | 25 | 59/59 (100%) | -0.47 | 0 100 100 | 26, 40, 59, 82 | 0 |
| 28 | 16 | 53/53 (100%) | -0.44 | 0 100 100 | 28, 37, 50, 57 | 0 |

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| Mol | Chain | Analysed | <RSRZ> | #RSRZ>2 | OWAB(Å ²) | Q<0.9 |
|-----|-------|-----------------|--------|---------------|-----------------------|-------|
| 28 | 26 | 53/53 (100%) | -0.11 | 0 100 100 | 41, 52, 62, 70 | 0 |
| 29 | 17 | 48/48 (100%) | -0.32 | 0 100 100 | 12, 17, 50, 59 | 0 |
| 29 | 27 | 48/48 (100%) | -0.23 | 1 (2%) 63 49 | 24, 31, 56, 72 | 0 |
| 30 | 18 | 64/64 (100%) | -0.41 | 0 100 100 | 15, 22, 35, 42 | 0 |
| 30 | 28 | 64/64 (100%) | -0.10 | 0 100 100 | 32, 39, 51, 57 | 0 |
| 31 | 19 | 37/37 (100%) | 0.05 | 0 100 100 | 28, 36, 59, 63 | 0 |
| 31 | 29 | 37/37 (100%) | 0.41 | 3 (8%) 12 6 | 47, 54, 70, 73 | 0 |
| 32 | 1a | 1488/1507 (98%) | -0.15 | 33 (2%) 62 48 | 27, 76, 115, 143 | 0 |
| 32 | 2a | 1488/1507 (98%) | -0.11 | 31 (2%) 63 49 | 33, 79, 116, 143 | 0 |
| 33 | 1b | 231/231 (100%) | -0.12 | 7 (3%) 50 34 | 70, 88, 100, 113 | 0 |
| 33 | 2b | 231/231 (100%) | 0.03 | 7 (3%) 50 34 | 75, 91, 104, 113 | 0 |
| 34 | 1c | 206/206 (100%) | -0.00 | 4 (1%) 66 53 | 72, 89, 100, 105 | 0 |
| 34 | 2c | 206/206 (100%) | 0.15 | 10 (4%) 29 17 | 82, 93, 104, 109 | 0 |
| 35 | 1d | 208/208 (100%) | -0.18 | 0 100 100 | 57, 80, 93, 98 | 0 |
| 35 | 2d | 208/208 (100%) | -0.09 | 1 (0%) 91 86 | 61, 81, 94, 103 | 0 |
| 36 | 1e | 148/148 (100%) | -0.19 | 0 100 100 | 45, 69, 83, 94 | 0 |
| 36 | 2e | 148/148 (100%) | -0.14 | 0 100 100 | 50, 72, 85, 100 | 0 |
| 37 | 1f | 100/100 (100%) | -0.33 | 0 100 100 | 52, 71, 81, 86 | 0 |
| 37 | 2f | 100/100 (100%) | -0.36 | 0 100 100 | 54, 71, 84, 88 | 0 |
| 38 | 1g | 155/155 (100%) | 0.09 | 4 (2%) 56 40 | 72, 84, 95, 105 | 0 |
| 38 | 2g | 155/155 (100%) | 0.37 | 15 (9%) 7 4 | 78, 88, 98, 106 | 0 |
| 39 | 1h | 137/137 (100%) | -0.03 | 2 (1%) 73 61 | 50, 69, 79, 87 | 0 |
| 39 | 2h | 137/137 (100%) | -0.07 | 2 (1%) 73 61 | 56, 73, 82, 94 | 0 |
| 40 | 1i | 127/127 (100%) | 0.37 | 8 (6%) 20 11 | 68, 96, 105, 108 | 0 |
| 40 | 2i | 127/127 (100%) | 0.79 | 14 (11%) 5 3 | 77, 99, 108, 112 | 0 |
| 41 | 1j | 97/97 (100%) | 0.76 | 12 (12%) 4 2 | 75, 97, 107, 113 | 0 |
| 41 | 2j | 97/97 (100%) | 0.88 | 15 (15%) 2 1 | 81, 100, 109, 112 | 0 |
| 42 | 1k | 114/114 (100%) | -0.24 | 0 100 100 | 39, 64, 81, 90 | 0 |
| 42 | 2k | 114/114 (100%) | 0.03 | 2 (1%) 68 55 | 52, 71, 85, 98 | 0 |
| 43 | 1l | 121/122 (99%) | -0.10 | 1 (0%) 86 78 | 42, 61, 77, 87 | 0 |
| 43 | 2l | 121/122 (99%) | -0.14 | 0 100 100 | 50, 66, 79, 88 | 0 |

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| Mol | Chain | Analysed | <RSRZ> | #RSRZ>2 | OWAB(Å ²) | Q<0.9 |
|-----|-------|-------------------|--------|----------------|-----------------------|-------|
| 44 | 1m | 116/116 (100%) | 0.24 | 6 (5%) 27 15 | 71, 89, 97, 99 | 0 |
| 44 | 2m | 116/116 (100%) | 0.46 | 13 (11%) 5 3 | 79, 97, 104, 109 | 0 |
| 45 | 1n | 60/60 (100%) | 0.32 | 2 (3%) 46 30 | 70, 86, 94, 100 | 0 |
| 45 | 2n | 60/60 (100%) | 0.76 | 5 (8%) 11 6 | 82, 92, 100, 102 | 0 |
| 46 | 1o | 88/88 (100%) | -0.07 | 1 (1%) 80 69 | 46, 66, 83, 91 | 0 |
| 46 | 2o | 88/88 (100%) | -0.14 | 0 100 100 | 52, 68, 88, 93 | 0 |
| 47 | 1p | 82/82 (100%) | 0.37 | 3 (3%) 41 26 | 64, 78, 92, 100 | 0 |
| 47 | 2p | 82/82 (100%) | 0.42 | 3 (3%) 41 26 | 65, 75, 91, 101 | 0 |
| 48 | 1q | 99/99 (100%) | -0.13 | 1 (1%) 82 72 | 52, 68, 79, 84 | 0 |
| 48 | 2q | 99/99 (100%) | 0.09 | 0 100 100 | 53, 69, 81, 86 | 0 |
| 49 | 1r | 68/68 (100%) | 0.16 | 0 100 100 | 53, 66, 81, 91 | 0 |
| 49 | 2r | 68/68 (100%) | 0.16 | 2 (2%) 51 36 | 54, 69, 86, 94 | 0 |
| 50 | 1s | 83/83 (100%) | 0.67 | 9 (10%) 5 3 | 78, 94, 102, 108 | 0 |
| 50 | 2s | 83/83 (100%) | 1.66 | 32 (38%) 0 0 | 84, 101, 111, 116 | 0 |
| 51 | 1t | 96/96 (100%) | 0.10 | 2 (2%) 63 49 | 65, 76, 90, 95 | 0 |
| 51 | 2t | 96/96 (100%) | -0.17 | 1 (1%) 82 72 | 60, 75, 90, 93 | 0 |
| 52 | 1u | 23/23 (100%) | 1.21 | 3 (13%) 3 2 | 78, 84, 90, 94 | 0 |
| 52 | 2u | 23/23 (100%) | 1.91 | 14 (60%) 0 0 | 82, 90, 97, 99 | 0 |
| 53 | 1y | 22/22 (100%) | -0.20 | 1 (4%) 33 21 | 16, 39, 78, 90 | 0 |
| 54 | 1z | 97/97 (100%) | 0.29 | 1 (1%) 82 72 | 52, 63, 79, 84 | 0 |
| 54 | 2z | 97/97 (100%) | 2.03 | 48 (49%) 0 0 | 63, 75, 85, 93 | 0 |
| All | All | 20796/20916 (99%) | -0.12 | 590 (2%) 53 37 | 8, 58, 104, 143 | 0 |

The worst 5 of 590 RSRZ outliers are listed below:

| Mol | Chain | Res | Type | RSRZ |
|-----|-------|------|------|------|
| 1 | 1A | 1087 | G | 13.6 |
| 32 | 2a | 1036 | G | 10.7 |
| 1 | 1A | 1089 | G | 10.2 |
| 1 | 1A | 1081 | U | 9.6 |
| 1 | 1A | 1079 | C | 9.0 |

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

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. 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 | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 1 | 5MU | 1A | 1915 | 21/22 | 0.93 | 0.25 | 81,89,96,98 | 0 |
| 1 | PSU | 1A | 1917 | 20/21 | 0.93 | 0.16 | 61,75,81,85 | 0 |
| 32 | PSU | 1a | 516 | 20/21 | 0.93 | 0.17 | 69,78,82,84 | 0 |
| 32 | PSU | 2a | 516 | 20/21 | 0.93 | 0.19 | 72,81,90,91 | 0 |
| 32 | 7MG | 2a | 527 | 24/25 | 0.93 | 0.23 | 61,66,74,77 | 0 |
| 32 | M2G | 2a | 966 | 25/26 | 0.93 | 0.18 | 65,73,81,86 | 0 |
| 1 | PSU | 2A | 1917 | 20/21 | 0.94 | 0.13 | 76,81,94,98 | 0 |
| 32 | 5MC | 1a | 1407 | 21/22 | 0.94 | 0.18 | 38,55,60,63 | 0 |
| 1 | PSU | 2A | 1911 | 20/21 | 0.94 | 0.10 | 65,72,79,80 | 0 |
| 1 | 5MU | 2A | 1915 | 21/22 | 0.94 | 0.18 | 86,95,109,116 | 0 |
| 1 | 4OC | 2A | 1920 | 21/23 | 0.95 | 0.15 | 55,67,70,73 | 0 |
| 32 | 2MG | 1a | 1207 | 24/25 | 0.95 | 0.16 | 82,91,97,98 | 0 |
| 32 | 4OC | 1a | 1402 | 22/23 | 0.95 | 0.20 | 51,55,61,63 | 0 |
| 1 | PSU | 1A | 1911 | 20/21 | 0.95 | 0.13 | 64,69,74,74 | 0 |
| 32 | 5MC | 2a | 967 | 21/22 | 0.95 | 0.15 | 65,74,83,89 | 0 |
| 32 | 2MG | 2a | 1207 | 24/25 | 0.95 | 0.22 | 91,98,105,108 | 0 |
| 32 | 4OC | 2a | 1402 | 22/23 | 0.95 | 0.17 | 56,59,64,70 | 0 |
| 32 | 7MG | 1a | 527 | 24/25 | 0.96 | 0.19 | 52,56,64,67 | 0 |
| 1 | 5MC | 2A | 1942 | 21/22 | 0.96 | 0.19 | 37,44,48,50 | 0 |
| 32 | M2G | 1a | 966 | 25/26 | 0.96 | 0.16 | 56,64,75,80 | 0 |
| 32 | 5MC | 2a | 1400 | 21/22 | 0.96 | 0.21 | 64,68,73,77 | 0 |
| 32 | 5MC | 1a | 967 | 21/22 | 0.96 | 0.18 | 61,69,81,82 | 0 |
| 32 | 5MC | 2a | 1404 | 21/22 | 0.96 | 0.15 | 47,54,61,64 | 0 |
| 32 | 5MC | 2a | 1407 | 21/22 | 0.96 | 0.14 | 50,59,65,66 | 0 |
| 32 | UR3 | 2a | 1498 | 21/22 | 0.96 | 0.17 | 47,52,58,61 | 0 |
| 32 | MA6 | 2a | 1518 | 24/25 | 0.96 | 0.18 | 43,53,58,61 | 0 |
| 1 | PSU | 2A | 2605 | 20/21 | 0.97 | 0.17 | 21,28,33,36 | 0 |
| 32 | UR3 | 1a | 1498 | 21/22 | 0.97 | 0.19 | 39,50,58,61 | 0 |
| 43 | 0TD | 1l | 92 | 10/11 | 0.97 | 0.23 | 64,66,69,72 | 0 |
| 1 | 5MU | 1A | 1939 | 21/22 | 0.97 | 0.19 | 14,22,25,27 | 0 |
| 32 | 5MC | 1a | 1400 | 21/22 | 0.97 | 0.17 | 51,55,58,60 | 0 |
| 1 | PSU | 1A | 2605 | 20/21 | 0.97 | 0.18 | 11,17,22,26 | 0 |
| 32 | 5MC | 1a | 1404 | 21/22 | 0.97 | 0.13 | 42,50,53,57 | 0 |
| 1 | 5MU | 2A | 1939 | 21/22 | 0.97 | 0.18 | 26,31,36,40 | 0 |
| 1 | 4OC | 1A | 1920 | 21/23 | 0.97 | 0.17 | 47,60,68,69 | 0 |
| 1 | 5MC | 2A | 1962 | 21/22 | 0.97 | 0.12 | 32,41,48,55 | 0 |
| 1 | OMG | 2A | 2251 | 24/25 | 0.97 | 0.17 | 29,34,37,43 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 1 | 2MA | 2A | 2503 | 23/24 | 0.97 | 0.18 | 19,23,26,34 | 0 |
| 32 | MA6 | 2a | 1519 | 24/25 | 0.97 | 0.24 | 44,51,54,55 | 0 |
| 43 | OTD | 2l | 92 | 10/11 | 0.97 | 0.20 | 64,71,79,83 | 0 |
| 32 | MA6 | 1a | 1518 | 24/25 | 0.98 | 0.18 | 36,42,45,48 | 0 |
| 32 | MA6 | 1a | 1519 | 24/25 | 0.98 | 0.19 | 34,40,44,49 | 0 |
| 1 | 2MA | 1A | 2503 | 23/24 | 0.98 | 0.18 | 7,11,12,12 | 0 |
| 1 | 5MC | 1A | 1942 | 21/22 | 0.98 | 0.17 | 19,27,30,36 | 0 |
| 1 | 5MC | 1A | 1962 | 21/22 | 0.98 | 0.15 | 25,29,32,41 | 0 |
| 1 | OMG | 1A | 2251 | 24/25 | 0.98 | 0.16 | 17,21,27,28 | 0 |
| 1 | 2MU | 2A | 2552 | 21/23 | 0.98 | 0.17 | 24,29,32,34 | 0 |
| 1 | 2MU | 1A | 2552 | 21/23 | 0.99 | 0.20 | 15,19,22,25 | 0 |

6.3 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.4 Ligands [i](#)

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. 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 | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|-------|------|-----------------------------|-------|
| 55 | MG | 2B | 3016 | 1/1 | -0.10 | 0.96 | 85,85,85,85 | 0 |
| 55 | MG | 2H | 8001 | 1/1 | -0.01 | 0.75 | 93,93,93,93 | 0 |
| 55 | MG | 2A | 3911 | 1/1 | 0.09 | 0.87 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3764 | 1/1 | 0.17 | 0.83 | 70,70,70,70 | 0 |
| 55 | MG | 2a | 1613 | 1/1 | 0.27 | 0.28 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3260 | 1/1 | 0.29 | 0.19 | 94,94,94,94 | 0 |
| 55 | MG | 2a | 1754 | 1/1 | 0.30 | 0.27 | 104,104,104,104 | 0 |
| 55 | MG | 2a | 1672 | 1/1 | 0.36 | 0.60 | 64,64,64,64 | 0 |
| 55 | MG | 2B | 3014 | 1/1 | 0.37 | 0.56 | 76,76,76,76 | 0 |
| 55 | MG | 2i | 3001 | 1/1 | 0.37 | 0.45 | 73,73,73,73 | 0 |
| 55 | MG | 1A | 3256 | 1/1 | 0.38 | 0.29 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3170 | 1/1 | 0.39 | 0.37 | 62,62,62,62 | 0 |
| 55 | MG | 2a | 1838 | 1/1 | 0.40 | 0.19 | 111,111,111,111 | 0 |
| 55 | MG | 1a | 1676 | 1/1 | 0.41 | 0.43 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1835 | 1/1 | 0.43 | 0.75 | 81,81,81,81 | 0 |
| 55 | MG | 2G | 3001 | 1/1 | 0.43 | 0.30 | 92,92,92,92 | 0 |
| 55 | MG | 2a | 1779 | 1/1 | 0.45 | 0.31 | 92,92,92,92 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2A | 3279 | 1/1 | 0.45 | 0.64 | 83,83,83,83 | 0 |
| 55 | MG | 1A | 3048 | 1/1 | 0.45 | 0.66 | 43,43,43,43 | 0 |
| 55 | MG | 2g | 3001 | 1/1 | 0.46 | 0.32 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3085 | 1/1 | 0.46 | 0.65 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3694 | 1/1 | 0.48 | 1.05 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3591 | 1/1 | 0.49 | 0.54 | 50,50,50,50 | 0 |
| 55 | MG | 2B | 3006 | 1/1 | 0.51 | 0.21 | 64,64,64,64 | 0 |
| 55 | MG | 2A | 3800 | 1/1 | 0.51 | 0.44 | 73,73,73,73 | 0 |
| 55 | MG | 1a | 1659 | 1/1 | 0.51 | 0.23 | 70,70,70,70 | 0 |
| 55 | MG | 2a | 1724 | 1/1 | 0.52 | 0.28 | 96,96,96,96 | 0 |
| 55 | MG | 2A | 3051 | 1/1 | 0.52 | 0.57 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3419 | 1/1 | 0.52 | 0.63 | 60,60,60,60 | 0 |
| 55 | MG | 1B | 217 | 1/1 | 0.53 | 0.55 | 57,57,57,57 | 0 |
| 55 | MG | 2a | 1643 | 1/1 | 0.55 | 0.70 | 86,86,86,86 | 0 |
| 55 | MG | 2A | 3784 | 1/1 | 0.55 | 0.79 | 86,86,86,86 | 0 |
| 55 | MG | 2A | 3187 | 1/1 | 0.55 | 0.51 | 63,63,63,63 | 0 |
| 55 | MG | 2B | 3026 | 1/1 | 0.55 | 0.94 | 83,83,83,83 | 0 |
| 55 | MG | 1A | 3553 | 1/1 | 0.56 | 1.03 | 37,37,37,37 | 0 |
| 55 | MG | 1a | 1661 | 1/1 | 0.56 | 0.81 | 67,67,67,67 | 0 |
| 55 | MG | 2a | 1830 | 1/1 | 0.57 | 0.30 | 119,119,119,119 | 0 |
| 55 | MG | 1a | 1753 | 1/1 | 0.57 | 0.20 | 81,81,81,81 | 0 |
| 55 | MG | 2A | 3623 | 1/1 | 0.58 | 0.27 | 54,54,54,54 | 0 |
| 55 | MG | 1a | 1644 | 1/1 | 0.58 | 0.42 | 70,70,70,70 | 0 |
| 55 | MG | 2a | 1671 | 1/1 | 0.59 | 0.35 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3528 | 1/1 | 0.59 | 1.34 | 31,31,31,31 | 0 |
| 55 | MG | 2a | 1834 | 1/1 | 0.59 | 0.59 | 76,76,76,76 | 0 |
| 55 | MG | 1a | 1763 | 1/1 | 0.60 | 0.14 | 91,91,91,91 | 0 |
| 55 | MG | 2A | 3939 | 1/1 | 0.60 | 1.17 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1680 | 1/1 | 0.62 | 0.41 | 65,65,65,65 | 0 |
| 55 | MG | 1a | 1770 | 1/1 | 0.62 | 0.49 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1783 | 1/1 | 0.62 | 0.12 | 90,90,90,90 | 0 |
| 55 | MG | 2a | 1663 | 1/1 | 0.62 | 0.53 | 86,86,86,86 | 0 |
| 55 | MG | 2a | 1665 | 1/1 | 0.62 | 0.68 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3781 | 1/1 | 0.62 | 0.50 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3644 | 1/1 | 0.62 | 0.62 | 48,48,48,48 | 0 |
| 55 | MG | 2B | 3008 | 1/1 | 0.62 | 0.60 | 69,69,69,69 | 0 |
| 55 | MG | 2a | 1678 | 1/1 | 0.63 | 0.25 | 60,60,60,60 | 0 |
| 55 | MG | 2a | 1619 | 1/1 | 0.64 | 0.66 | 95,95,95,95 | 0 |
| 55 | MG | 2A | 3116 | 1/1 | 0.64 | 1.08 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3326 | 1/1 | 0.64 | 0.26 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3176 | 1/1 | 0.64 | 0.54 | 81,81,81,81 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1X | 102 | 1/1 | 0.65 | 0.58 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3753 | 1/1 | 0.65 | 0.83 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3888 | 1/1 | 0.65 | 0.36 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3109 | 1/1 | 0.65 | 0.46 | 43,43,43,43 | 0 |
| 55 | MG | 2B | 3023 | 1/1 | 0.65 | 0.33 | 92,92,92,92 | 0 |
| 55 | MG | 2a | 1748 | 1/1 | 0.65 | 0.28 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3253 | 1/1 | 0.65 | 1.00 | 59,59,59,59 | 0 |
| 55 | MG | 2B | 3025 | 1/1 | 0.66 | 0.38 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3046 | 1/1 | 0.66 | 0.29 | 50,50,50,50 | 0 |
| 55 | MG | 2D | 308 | 1/1 | 0.66 | 0.51 | 64,64,64,64 | 0 |
| 55 | MG | 2D | 314 | 1/1 | 0.66 | 0.36 | 50,50,50,50 | 0 |
| 55 | MG | 2D | 315 | 1/1 | 0.66 | 0.16 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1614 | 1/1 | 0.66 | 0.36 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3061 | 1/1 | 0.66 | 0.18 | 34,34,34,34 | 0 |
| 55 | MG | 20 | 102 | 1/1 | 0.66 | 0.20 | 66,66,66,66 | 0 |
| 55 | MG | 20 | 104 | 1/1 | 0.66 | 0.32 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3915 | 1/1 | 0.67 | 0.78 | 70,70,70,70 | 0 |
| 55 | MG | 2A | 3727 | 1/1 | 0.67 | 0.43 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3559 | 1/1 | 0.67 | 0.98 | 63,63,63,63 | 0 |
| 55 | MG | 2a | 1624 | 1/1 | 0.67 | 0.46 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3164 | 1/1 | 0.68 | 0.46 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1796 | 1/1 | 0.68 | 0.80 | 95,95,95,95 | 0 |
| 55 | MG | 2a | 1828 | 1/1 | 0.68 | 0.44 | 90,90,90,90 | 0 |
| 55 | MG | 1a | 1828 | 1/1 | 0.68 | 0.39 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3945 | 1/1 | 0.68 | 0.61 | 81,81,81,81 | 0 |
| 55 | MG | 2A | 3073 | 1/1 | 0.68 | 0.27 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3650 | 1/1 | 0.68 | 0.52 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3255 | 1/1 | 0.68 | 0.15 | 57,57,57,57 | 0 |
| 55 | MG | 2Y | 201 | 1/1 | 0.69 | 1.18 | 61,61,61,61 | 0 |
| 55 | MG | 1a | 1684 | 1/1 | 0.69 | 0.72 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1820 | 1/1 | 0.69 | 0.27 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3717 | 1/1 | 0.69 | 0.60 | 29,29,29,29 | 0 |
| 55 | MG | 1a | 1666 | 1/1 | 0.69 | 0.85 | 42,42,42,42 | 0 |
| 55 | MG | 2B | 3009 | 1/1 | 0.69 | 1.03 | 72,72,72,72 | 0 |
| 55 | MG | 1d | 301 | 1/1 | 0.69 | 0.11 | 110,110,110,110 | 0 |
| 55 | MG | 2A | 3923 | 1/1 | 0.69 | 0.36 | 83,83,83,83 | 0 |
| 55 | MG | 2A | 3521 | 1/1 | 0.69 | 0.34 | 48,48,48,48 | 0 |
| 55 | MG | 2z | 101 | 1/1 | 0.69 | 1.02 | 111,111,111,111 | 0 |
| 56 | ZN | 24 | 501 | 1/1 | 0.69 | 0.08 | 150,150,150,150 | 0 |
| 55 | MG | 2A | 3194 | 1/1 | 0.70 | 0.65 | 40,40,40,40 | 0 |
| 55 | MG | 1n | 502 | 1/1 | 0.70 | 0.24 | 74,74,74,74 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1a | 1771 | 1/1 | 0.70 | 0.15 | 92,92,92,92 | 0 |
| 55 | MG | 2A | 3720 | 1/1 | 0.70 | 0.46 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3885 | 1/1 | 0.70 | 0.17 | 67,67,67,67 | 0 |
| 55 | MG | 2a | 1747 | 1/1 | 0.70 | 0.23 | 106,106,106,106 | 0 |
| 55 | MG | 2A | 3580 | 1/1 | 0.70 | 0.31 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3735 | 1/1 | 0.70 | 0.10 | 103,103,103,103 | 0 |
| 55 | MG | 2a | 1651 | 1/1 | 0.70 | 0.45 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1759 | 1/1 | 0.70 | 0.16 | 94,94,94,94 | 0 |
| 55 | MG | 2B | 3017 | 1/1 | 0.71 | 0.34 | 68,68,68,68 | 0 |
| 55 | MG | 2a | 1666 | 1/1 | 0.71 | 0.32 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3685 | 1/1 | 0.71 | 0.26 | 43,43,43,43 | 0 |
| 55 | MG | 2d | 502 | 1/1 | 0.71 | 0.29 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3917 | 1/1 | 0.71 | 0.33 | 71,71,71,71 | 0 |
| 55 | MG | 2A | 3202 | 1/1 | 0.71 | 0.67 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3480 | 1/1 | 0.71 | 0.49 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3957 | 1/1 | 0.71 | 0.41 | 78,78,78,78 | 0 |
| 55 | MG | 2a | 1615 | 1/1 | 0.72 | 0.38 | 80,80,80,80 | 0 |
| 55 | MG | 1a | 1672 | 1/1 | 0.72 | 0.37 | 70,70,70,70 | 0 |
| 55 | MG | 1A | 3912 | 1/1 | 0.72 | 0.45 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3641 | 1/1 | 0.72 | 0.53 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3819 | 1/1 | 0.73 | 0.80 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3542 | 1/1 | 0.73 | 0.27 | 66,66,66,66 | 0 |
| 55 | MG | 2a | 1655 | 1/1 | 0.73 | 0.36 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3320 | 1/1 | 0.73 | 0.13 | 44,44,44,44 | 0 |
| 55 | MG | 2B | 3010 | 1/1 | 0.73 | 0.19 | 70,70,70,70 | 0 |
| 55 | MG | 2A | 3744 | 1/1 | 0.73 | 0.17 | 58,58,58,58 | 0 |
| 55 | MG | 1a | 1653 | 1/1 | 0.73 | 0.36 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3690 | 1/1 | 0.73 | 0.24 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3081 | 1/1 | 0.73 | 0.70 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3599 | 1/1 | 0.73 | 0.40 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3944 | 1/1 | 0.73 | 0.58 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3726 | 1/1 | 0.73 | 0.37 | 73,73,73,73 | 0 |
| 55 | MG | 2a | 1635 | 1/1 | 0.73 | 0.41 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3586 | 1/1 | 0.74 | 0.26 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3259 | 1/1 | 0.74 | 0.15 | 82,82,82,82 | 0 |
| 55 | MG | 1a | 1626 | 1/1 | 0.74 | 0.30 | 47,47,47,47 | 0 |
| 55 | MG | 1a | 1669 | 1/1 | 0.74 | 0.42 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3602 | 1/1 | 0.74 | 0.54 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1668 | 1/1 | 0.74 | 1.39 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3931 | 1/1 | 0.74 | 0.98 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3025 | 1/1 | 0.74 | 1.08 | 42,42,42,42 | 0 |
| 55 | MG | 1Q | 203 | 1/1 | 0.74 | 0.40 | 40,40,40,40 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3493 | 1/1 | 0.74 | 0.48 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3199 | 1/1 | 0.74 | 0.74 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3589 | 1/1 | 0.74 | 0.16 | 72,72,72,72 | 0 |
| 55 | MG | 2a | 1650 | 1/1 | 0.74 | 0.20 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3718 | 1/1 | 0.75 | 0.34 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3626 | 1/1 | 0.75 | 0.37 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3780 | 1/1 | 0.75 | 0.41 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1837 | 1/1 | 0.75 | 0.24 | 93,93,93,93 | 0 |
| 55 | MG | 1A | 3699 | 1/1 | 0.75 | 0.33 | 47,47,47,47 | 0 |
| 55 | MG | 1d | 303 | 1/1 | 0.75 | 0.42 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3152 | 1/1 | 0.75 | 0.58 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3828 | 1/1 | 0.75 | 0.20 | 88,88,88,88 | 0 |
| 55 | MG | 2d | 504 | 1/1 | 0.75 | 0.44 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3946 | 1/1 | 0.75 | 0.48 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3595 | 1/1 | 0.75 | 0.28 | 79,79,79,79 | 0 |
| 55 | MG | 1A | 3032 | 1/1 | 0.75 | 0.77 | 30,30,30,30 | 0 |
| 55 | MG | 2S | 201 | 1/1 | 0.75 | 0.27 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3219 | 1/1 | 0.76 | 0.30 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3621 | 1/1 | 0.76 | 0.35 | 58,58,58,58 | 0 |
| 55 | MG | 1a | 1643 | 1/1 | 0.76 | 0.28 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3008 | 1/1 | 0.76 | 0.29 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1827 | 1/1 | 0.76 | 0.56 | 77,77,77,77 | 0 |
| 55 | MG | 29 | 104 | 1/1 | 0.76 | 0.99 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3638 | 1/1 | 0.76 | 0.43 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1832 | 1/1 | 0.76 | 0.39 | 83,83,83,83 | 0 |
| 55 | MG | 2A | 3033 | 1/1 | 0.76 | 0.40 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1617 | 1/1 | 0.76 | 0.94 | 83,83,83,83 | 0 |
| 55 | MG | 1B | 227 | 1/1 | 0.76 | 0.38 | 29,29,29,29 | 0 |
| 55 | MG | 2a | 1719 | 1/1 | 0.76 | 0.14 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3122 | 1/1 | 0.76 | 0.53 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3274 | 1/1 | 0.76 | 0.37 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3250 | 1/1 | 0.76 | 0.72 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3098 | 1/1 | 0.76 | 0.65 | 50,50,50,50 | 0 |
| 55 | MG | 23 | 102 | 1/1 | 0.77 | 1.09 | 59,59,59,59 | 0 |
| 55 | MG | 29 | 101 | 1/1 | 0.77 | 0.41 | 46,46,46,46 | 0 |
| 55 | MG | 2B | 3011 | 1/1 | 0.77 | 0.22 | 89,89,89,89 | 0 |
| 55 | MG | 2A | 3031 | 1/1 | 0.77 | 0.37 | 45,45,45,45 | 0 |
| 55 | MG | 2B | 3015 | 1/1 | 0.77 | 0.22 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3907 | 1/1 | 0.77 | 0.67 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3596 | 1/1 | 0.77 | 0.11 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3550 | 1/1 | 0.77 | 0.31 | 36,36,36,36 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3751 | 1/1 | 0.77 | 0.60 | 77,77,77,77 | 0 |
| 55 | MG | 2a | 1640 | 1/1 | 0.77 | 0.77 | 60,60,60,60 | 0 |
| 55 | MG | 1F | 304 | 1/1 | 0.77 | 0.18 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3515 | 1/1 | 0.77 | 0.35 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3074 | 1/1 | 0.77 | 0.64 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3046 | 1/1 | 0.77 | 0.38 | 40,40,40,40 | 0 |
| 55 | MG | 1a | 1602 | 1/1 | 0.77 | 0.08 | 78,78,78,78 | 0 |
| 55 | MG | 2G | 3002 | 1/1 | 0.77 | 0.09 | 71,71,71,71 | 0 |
| 55 | MG | 2A | 3961 | 1/1 | 0.77 | 0.39 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3783 | 1/1 | 0.77 | 0.39 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3022 | 1/1 | 0.77 | 0.42 | 49,49,49,49 | 0 |
| 55 | MG | 2t | 201 | 1/1 | 0.77 | 0.21 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3850 | 1/1 | 0.77 | 0.13 | 81,81,81,81 | 0 |
| 55 | MG | 1a | 1832 | 1/1 | 0.77 | 0.10 | 104,104,104,104 | 0 |
| 55 | MG | 1A | 3040 | 1/1 | 0.78 | 0.44 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3710 | 1/1 | 0.78 | 0.19 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3230 | 1/1 | 0.78 | 0.59 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3481 | 1/1 | 0.78 | 0.20 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3846 | 1/1 | 0.78 | 0.19 | 29,29,29,29 | 0 |
| 55 | MG | 2a | 1755 | 1/1 | 0.78 | 0.26 | 99,99,99,99 | 0 |
| 55 | MG | 1a | 1668 | 1/1 | 0.78 | 0.33 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3594 | 1/1 | 0.78 | 0.73 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3119 | 1/1 | 0.78 | 0.28 | 35,35,35,35 | 0 |
| 55 | MG | 2a | 1639 | 1/1 | 0.78 | 0.58 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3929 | 1/1 | 0.78 | 0.75 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3178 | 1/1 | 0.78 | 0.34 | 37,37,37,37 | 0 |
| 55 | MG | 2a | 1646 | 1/1 | 0.78 | 0.09 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3378 | 1/1 | 0.78 | 0.16 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3941 | 1/1 | 0.78 | 0.59 | 104,104,104,104 | 0 |
| 55 | MG | 2A | 3413 | 1/1 | 0.78 | 0.49 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3918 | 1/1 | 0.78 | 0.30 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3795 | 1/1 | 0.78 | 0.83 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3969 | 1/1 | 0.78 | 1.10 | 53,53,53,53 | 0 |
| 55 | MG | 2B | 3005 | 1/1 | 0.78 | 0.37 | 74,74,74,74 | 0 |
| 55 | MG | 1A | 3729 | 1/1 | 0.78 | 0.18 | 95,95,95,95 | 0 |
| 55 | MG | 1a | 1806 | 1/1 | 0.78 | 0.40 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3532 | 1/1 | 0.78 | 0.14 | 56,56,56,56 | 0 |
| 55 | MG | 2a | 1684 | 1/1 | 0.79 | 0.34 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3914 | 1/1 | 0.79 | 0.20 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3650 | 1/1 | 0.79 | 0.45 | 71,71,71,71 | 0 |
| 55 | MG | 2a | 1736 | 1/1 | 0.79 | 0.31 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3487 | 1/1 | 0.79 | 0.33 | 52,52,52,52 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3562 | 1/1 | 0.79 | 0.41 | 63,63,63,63 | 0 |
| 55 | MG | 1i | 3001 | 1/1 | 0.79 | 0.26 | 74,74,74,74 | 0 |
| 55 | MG | 1A | 3584 | 1/1 | 0.79 | 0.83 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3232 | 1/1 | 0.79 | 0.44 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1631 | 1/1 | 0.79 | 1.53 | 56,56,56,56 | 0 |
| 55 | MG | 1a | 1779 | 1/1 | 0.79 | 0.15 | 81,81,81,81 | 0 |
| 55 | MG | 2A | 3567 | 1/1 | 0.79 | 0.35 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3930 | 1/1 | 0.79 | 0.26 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3123 | 1/1 | 0.79 | 0.30 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3812 | 1/1 | 0.79 | 0.24 | 96,96,96,96 | 0 |
| 55 | MG | 2A | 3262 | 1/1 | 0.79 | 0.39 | 51,51,51,51 | 0 |
| 55 | MG | 2F | 310 | 1/1 | 0.79 | 0.44 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3173 | 1/1 | 0.79 | 0.45 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1750 | 1/1 | 0.79 | 0.25 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3184 | 1/1 | 0.79 | 0.57 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3394 | 1/1 | 0.79 | 0.13 | 72,72,72,72 | 0 |
| 55 | MG | 2B | 3003 | 1/1 | 0.79 | 0.17 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3404 | 1/1 | 0.79 | 0.46 | 78,78,78,78 | 0 |
| 55 | MG | 1a | 1640 | 1/1 | 0.79 | 0.61 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3417 | 1/1 | 0.79 | 0.19 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3628 | 1/1 | 0.80 | 0.39 | 79,79,79,79 | 0 |
| 55 | MG | 1l | 3001 | 1/1 | 0.80 | 0.13 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3660 | 1/1 | 0.80 | 0.45 | 55,55,55,55 | 0 |
| 55 | MG | 2D | 316 | 1/1 | 0.80 | 0.74 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3177 | 1/1 | 0.80 | 0.40 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1676 | 1/1 | 0.80 | 0.26 | 102,102,102,102 | 0 |
| 55 | MG | 17 | 101 | 1/1 | 0.80 | 0.77 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3452 | 1/1 | 0.80 | 0.15 | 82,82,82,82 | 0 |
| 55 | MG | 1a | 1778 | 1/1 | 0.80 | 0.18 | 92,92,92,92 | 0 |
| 55 | MG | 2A | 3508 | 1/1 | 0.80 | 0.40 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3938 | 1/1 | 0.80 | 0.28 | 46,46,46,46 | 0 |
| 55 | MG | 19 | 101 | 1/1 | 0.80 | 0.35 | 24,24,24,24 | 0 |
| 55 | MG | 1a | 1647 | 1/1 | 0.80 | 0.11 | 65,65,65,65 | 0 |
| 55 | MG | 1a | 1807 | 1/1 | 0.80 | 0.11 | 98,98,98,98 | 0 |
| 55 | MG | 1a | 1810 | 1/1 | 0.80 | 0.18 | 81,81,81,81 | 0 |
| 55 | MG | 1A | 3264 | 1/1 | 0.80 | 0.35 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3068 | 1/1 | 0.80 | 0.90 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1740 | 1/1 | 0.80 | 0.26 | 81,81,81,81 | 0 |
| 55 | MG | 1a | 1748 | 1/1 | 0.80 | 0.13 | 86,86,86,86 | 0 |
| 55 | MG | 2A | 3782 | 1/1 | 0.80 | 0.47 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3138 | 1/1 | 0.80 | 0.10 | 52,52,52,52 | 0 |
| 55 | MG | 2a | 1625 | 1/1 | 0.80 | 0.36 | 59,59,59,59 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1B | 211 | 1/1 | 0.80 | 0.42 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3302 | 1/1 | 0.80 | 0.22 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1628 | 1/1 | 0.80 | 0.20 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3347 | 1/1 | 0.80 | 0.15 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3615 | 1/1 | 0.80 | 0.20 | 70,70,70,70 | 0 |
| 55 | MG | 2A | 3868 | 1/1 | 0.80 | 0.38 | 106,106,106,106 | 0 |
| 55 | MG | 2A | 3874 | 1/1 | 0.80 | 0.39 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3130 | 1/1 | 0.80 | 0.21 | 41,41,41,41 | 0 |
| 55 | MG | 2t | 202 | 1/1 | 0.80 | 0.38 | 72,72,72,72 | 0 |
| 55 | MG | 1a | 1632 | 1/1 | 0.80 | 1.21 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3891 | 1/1 | 0.80 | 0.14 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3040 | 1/1 | 0.81 | 0.42 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1608 | 1/1 | 0.81 | 0.40 | 74,74,74,74 | 0 |
| 55 | MG | 1A | 3411 | 1/1 | 0.81 | 0.19 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3269 | 1/1 | 0.81 | 0.48 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1756 | 1/1 | 0.81 | 0.23 | 75,75,75,75 | 0 |
| 55 | MG | 2a | 1658 | 1/1 | 0.81 | 0.21 | 83,83,83,83 | 0 |
| 55 | MG | 2a | 1660 | 1/1 | 0.81 | 0.48 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1661 | 1/1 | 0.81 | 0.35 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3224 | 1/1 | 0.81 | 0.41 | 32,32,32,32 | 0 |
| 55 | MG | 1a | 1838 | 1/1 | 0.81 | 0.49 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3857 | 1/1 | 0.81 | 0.68 | 47,47,47,47 | 0 |
| 55 | MG | 1a | 1841 | 1/1 | 0.81 | 0.25 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3619 | 1/1 | 0.81 | 0.31 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3884 | 1/1 | 0.81 | 0.08 | 65,65,65,65 | 0 |
| 55 | MG | 1a | 1845 | 1/1 | 0.81 | 0.99 | 107,107,107,107 | 0 |
| 55 | MG | 1A | 3297 | 1/1 | 0.81 | 0.64 | 34,34,34,34 | 0 |
| 55 | MG | 2E | 305 | 1/1 | 0.81 | 0.29 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1686 | 1/1 | 0.81 | 0.10 | 78,78,78,78 | 0 |
| 55 | MG | 2A | 3146 | 1/1 | 0.81 | 0.32 | 68,68,68,68 | 0 |
| 55 | MG | 2a | 1721 | 1/1 | 0.81 | 0.43 | 84,84,84,84 | 0 |
| 55 | MG | 1a | 1765 | 1/1 | 0.81 | 0.35 | 81,81,81,81 | 0 |
| 55 | MG | 1A | 3494 | 1/1 | 0.81 | 0.13 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3231 | 1/1 | 0.81 | 0.39 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3679 | 1/1 | 0.81 | 0.23 | 60,60,60,60 | 0 |
| 55 | MG | 2a | 1751 | 1/1 | 0.81 | 0.20 | 93,93,93,93 | 0 |
| 55 | MG | 2A | 3689 | 1/1 | 0.81 | 0.20 | 37,37,37,37 | 0 |
| 55 | MG | 20 | 101 | 1/1 | 0.81 | 0.54 | 48,48,48,48 | 0 |
| 55 | MG | 2a | 1764 | 1/1 | 0.81 | 0.30 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3623 | 1/1 | 0.81 | 0.15 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3473 | 1/1 | 0.81 | 0.19 | 66,66,66,66 | 0 |
| 55 | MG | 20 | 105 | 1/1 | 0.81 | 0.99 | 62,62,62,62 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2a | 1809 | 1/1 | 0.81 | 0.15 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3006 | 1/1 | 0.81 | 0.40 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3502 | 1/1 | 0.81 | 0.09 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3007 | 1/1 | 0.81 | 0.28 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3511 | 1/1 | 0.81 | 0.30 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3325 | 1/1 | 0.81 | 0.28 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3742 | 1/1 | 0.81 | 0.19 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1789 | 1/1 | 0.81 | 0.15 | 117,117,117,117 | 0 |
| 55 | MG | 1a | 1791 | 1/1 | 0.81 | 0.36 | 64,64,64,64 | 0 |
| 55 | MG | 1a | 1704 | 1/1 | 0.81 | 0.25 | 67,67,67,67 | 0 |
| 55 | MG | 2a | 1627 | 1/1 | 0.81 | 0.27 | 25,25,25,25 | 0 |
| 55 | MG | 1B | 204 | 1/1 | 0.81 | 0.14 | 63,63,63,63 | 0 |
| 55 | MG | 2o | 101 | 1/1 | 0.81 | 0.29 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3765 | 1/1 | 0.81 | 0.32 | 67,67,67,67 | 0 |
| 55 | MG | 2a | 1636 | 1/1 | 0.81 | 1.08 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3779 | 1/1 | 0.81 | 0.15 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3235 | 1/1 | 0.81 | 0.28 | 63,63,63,63 | 0 |
| 55 | MG | 1a | 1788 | 1/1 | 0.82 | 0.06 | 70,70,70,70 | 0 |
| 55 | MG | 1A | 3265 | 1/1 | 0.82 | 0.51 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3350 | 1/1 | 0.82 | 0.13 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3605 | 1/1 | 0.82 | 0.17 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3845 | 1/1 | 0.82 | 0.92 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3608 | 1/1 | 0.82 | 0.30 | 48,48,48,48 | 0 |
| 55 | MG | 2a | 1670 | 1/1 | 0.82 | 0.22 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3004 | 1/1 | 0.82 | 0.27 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3618 | 1/1 | 0.82 | 0.16 | 83,83,83,83 | 0 |
| 55 | MG | 1a | 1744 | 1/1 | 0.82 | 0.55 | 64,64,64,64 | 0 |
| 55 | MG | 2a | 1677 | 1/1 | 0.82 | 0.20 | 68,68,68,68 | 0 |
| 55 | MG | 1B | 215 | 1/1 | 0.82 | 0.45 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3762 | 1/1 | 0.82 | 0.23 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1809 | 1/1 | 0.82 | 0.11 | 85,85,85,85 | 0 |
| 55 | MG | 2a | 1697 | 1/1 | 0.82 | 0.13 | 66,66,66,66 | 0 |
| 55 | MG | 2a | 1702 | 1/1 | 0.82 | 0.22 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3640 | 1/1 | 0.82 | 0.11 | 72,72,72,72 | 0 |
| 55 | MG | 1a | 1751 | 1/1 | 0.82 | 0.18 | 98,98,98,98 | 0 |
| 55 | MG | 2A | 3421 | 1/1 | 0.82 | 0.09 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3778 | 1/1 | 0.82 | 0.51 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3916 | 1/1 | 0.82 | 1.27 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3667 | 1/1 | 0.82 | 0.22 | 89,89,89,89 | 0 |
| 55 | MG | 2A | 3677 | 1/1 | 0.82 | 0.35 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3459 | 1/1 | 0.82 | 0.09 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1754 | 1/1 | 0.82 | 0.19 | 66,66,66,66 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3038 | 1/1 | 0.82 | 0.39 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1605 | 1/1 | 0.82 | 0.30 | 82,82,82,82 | 0 |
| 55 | MG | 2a | 1607 | 1/1 | 0.82 | 0.23 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3495 | 1/1 | 0.82 | 0.09 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1806 | 1/1 | 0.82 | 0.23 | 84,84,84,84 | 0 |
| 55 | MG | 1a | 1833 | 1/1 | 0.82 | 0.21 | 98,98,98,98 | 0 |
| 55 | MG | 1D | 311 | 1/1 | 0.82 | 0.16 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3233 | 1/1 | 0.82 | 0.28 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3513 | 1/1 | 0.82 | 0.30 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3174 | 1/1 | 0.82 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3245 | 1/1 | 0.82 | 0.38 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3971 | 1/1 | 0.82 | 0.31 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3524 | 1/1 | 0.82 | 0.52 | 74,74,74,74 | 0 |
| 55 | MG | 1A | 3940 | 1/1 | 0.82 | 0.64 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1641 | 1/1 | 0.82 | 0.40 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3754 | 1/1 | 0.82 | 0.37 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1679 | 1/1 | 0.82 | 0.19 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3239 | 1/1 | 0.82 | 0.21 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3786 | 1/1 | 0.82 | 0.08 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3299 | 1/1 | 0.82 | 0.27 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3724 | 1/1 | 0.82 | 0.77 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3311 | 1/1 | 0.82 | 0.11 | 66,66,66,66 | 0 |
| 55 | MG | 1d | 304 | 1/1 | 0.83 | 0.26 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3492 | 1/1 | 0.83 | 1.07 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3734 | 1/1 | 0.83 | 0.20 | 81,81,81,81 | 0 |
| 55 | MG | 1B | 208 | 1/1 | 0.83 | 0.14 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3179 | 1/1 | 0.83 | 0.59 | 39,39,39,39 | 0 |
| 55 | MG | 2a | 1722 | 1/1 | 0.83 | 0.20 | 52,52,52,52 | 0 |
| 55 | MG | 2a | 1621 | 1/1 | 0.83 | 0.24 | 82,82,82,82 | 0 |
| 55 | MG | 2B | 3018 | 1/1 | 0.83 | 0.13 | 70,70,70,70 | 0 |
| 55 | MG | 1a | 1681 | 1/1 | 0.83 | 0.40 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3372 | 1/1 | 0.83 | 0.19 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3878 | 1/1 | 0.83 | 0.42 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3744 | 1/1 | 0.83 | 0.19 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3226 | 1/1 | 0.83 | 0.42 | 41,41,41,41 | 0 |
| 55 | MG | 1a | 1615 | 1/1 | 0.83 | 0.18 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3271 | 1/1 | 0.83 | 0.91 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3009 | 1/1 | 0.83 | 0.32 | 31,31,31,31 | 0 |
| 55 | MG | 2a | 1784 | 1/1 | 0.83 | 0.12 | 125,125,125,125 | 0 |
| 55 | MG | 2A | 3557 | 1/1 | 0.83 | 0.28 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3783 | 1/1 | 0.83 | 0.35 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3658 | 1/1 | 0.83 | 0.45 | 45,45,45,45 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3313 | 1/1 | 0.83 | 0.31 | 41,41,41,41 | 0 |
| 55 | MG | 2N | 202 | 1/1 | 0.83 | 0.43 | 64,64,64,64 | 0 |
| 55 | MG | 2P | 202 | 1/1 | 0.83 | 0.24 | 84,84,84,84 | 0 |
| 55 | MG | 2A | 3950 | 1/1 | 0.83 | 0.19 | 55,55,55,55 | 0 |
| 55 | MG | 2W | 3003 | 1/1 | 0.83 | 0.46 | 43,43,43,43 | 0 |
| 55 | MG | 2X | 101 | 1/1 | 0.83 | 0.79 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3080 | 1/1 | 0.83 | 0.43 | 22,22,22,22 | 0 |
| 55 | MG | 2a | 1842 | 1/1 | 0.83 | 0.52 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3290 | 1/1 | 0.83 | 0.27 | 21,21,21,21 | 0 |
| 55 | MG | 2a | 1669 | 1/1 | 0.83 | 0.17 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3434 | 1/1 | 0.83 | 0.13 | 39,39,39,39 | 0 |
| 55 | MG | 2h | 3002 | 1/1 | 0.83 | 0.59 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3439 | 1/1 | 0.83 | 0.10 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3155 | 1/1 | 0.83 | 0.34 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3701 | 1/1 | 0.83 | 0.49 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3574 | 1/1 | 0.83 | 0.21 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3645 | 1/1 | 0.83 | 0.47 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3721 | 1/1 | 0.83 | 0.32 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3159 | 1/1 | 0.84 | 0.31 | 45,45,45,45 | 0 |
| 55 | MG | 2a | 1664 | 1/1 | 0.84 | 0.71 | 80,80,80,80 | 0 |
| 55 | MG | 1a | 1635 | 1/1 | 0.84 | 0.20 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3169 | 1/1 | 0.84 | 0.58 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3380 | 1/1 | 0.84 | 0.06 | 35,35,35,35 | 0 |
| 55 | MG | 2D | 312 | 1/1 | 0.84 | 0.30 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3174 | 1/1 | 0.84 | 0.41 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3199 | 1/1 | 0.84 | 0.24 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3603 | 1/1 | 0.84 | 0.13 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3152 | 1/1 | 0.84 | 0.22 | 37,37,37,37 | 0 |
| 55 | MG | 2E | 306 | 1/1 | 0.84 | 0.16 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3027 | 1/1 | 0.84 | 0.13 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3624 | 1/1 | 0.84 | 0.75 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3455 | 1/1 | 0.84 | 0.20 | 89,89,89,89 | 0 |
| 55 | MG | 2A | 3872 | 1/1 | 0.84 | 0.20 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3899 | 1/1 | 0.84 | 0.17 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3881 | 1/1 | 0.84 | 0.48 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3630 | 1/1 | 0.84 | 0.13 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3631 | 1/1 | 0.84 | 0.11 | 75,75,75,75 | 0 |
| 55 | MG | 1F | 308 | 1/1 | 0.84 | 0.61 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3723 | 1/1 | 0.84 | 0.33 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3206 | 1/1 | 0.84 | 0.25 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3461 | 1/1 | 0.84 | 0.23 | 88,88,88,88 | 0 |
| 55 | MG | 2A | 3655 | 1/1 | 0.84 | 0.54 | 53,53,53,53 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1752 | 1/1 | 0.84 | 0.14 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3207 | 1/1 | 0.84 | 0.66 | 58,58,58,58 | 0 |
| 55 | MG | 1U | 201 | 1/1 | 0.84 | 0.29 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3490 | 1/1 | 0.84 | 0.20 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3049 | 1/1 | 0.84 | 0.48 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3680 | 1/1 | 0.84 | 0.16 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3009 | 1/1 | 0.84 | 0.31 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3916 | 1/1 | 0.84 | 0.07 | 116,116,116,116 | 0 |
| 55 | MG | 1A | 3033 | 1/1 | 0.84 | 0.20 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3646 | 1/1 | 0.84 | 0.32 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3708 | 1/1 | 0.84 | 0.14 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3248 | 1/1 | 0.84 | 0.28 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3106 | 1/1 | 0.84 | 0.34 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3649 | 1/1 | 0.84 | 0.23 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3133 | 1/1 | 0.84 | 0.55 | 47,47,47,47 | 0 |
| 55 | MG | 1B | 203 | 1/1 | 0.84 | 0.23 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3271 | 1/1 | 0.84 | 0.23 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3553 | 1/1 | 0.84 | 0.11 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3556 | 1/1 | 0.84 | 0.28 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3654 | 1/1 | 0.84 | 0.22 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3142 | 1/1 | 0.84 | 0.14 | 78,78,78,78 | 0 |
| 55 | MG | 2h | 3001 | 1/1 | 0.84 | 0.34 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3782 | 1/1 | 0.84 | 0.35 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3568 | 1/1 | 0.84 | 0.70 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1799 | 1/1 | 0.84 | 0.06 | 73,73,73,73 | 0 |
| 55 | MG | 1A | 3096 | 1/1 | 0.84 | 0.26 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3776 | 1/1 | 0.84 | 1.21 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3332 | 1/1 | 0.84 | 0.13 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3335 | 1/1 | 0.84 | 0.13 | 77,77,77,77 | 0 |
| 55 | MG | 1a | 1758 | 1/1 | 0.85 | 0.16 | 99,99,99,99 | 0 |
| 55 | MG | 2A | 3555 | 1/1 | 0.85 | 0.28 | 54,54,54,54 | 0 |
| 55 | MG | 2a | 1620 | 1/1 | 0.85 | 0.29 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3722 | 1/1 | 0.85 | 0.20 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1735 | 1/1 | 0.85 | 0.16 | 87,87,87,87 | 0 |
| 55 | MG | 2A | 3200 | 1/1 | 0.85 | 0.51 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3456 | 1/1 | 0.85 | 0.14 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3029 | 1/1 | 0.85 | 0.24 | 39,39,39,39 | 0 |
| 55 | MG | 2a | 1749 | 1/1 | 0.85 | 0.23 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3648 | 1/1 | 0.85 | 0.12 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3161 | 1/1 | 0.85 | 0.66 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3673 | 1/1 | 0.85 | 0.86 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3330 | 1/1 | 0.85 | 0.10 | 78,78,78,78 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3777 | 1/1 | 0.85 | 0.48 | 63,63,63,63 | 0 |
| 55 | MG | 2a | 1767 | 1/1 | 0.85 | 0.35 | 74,74,74,74 | 0 |
| 55 | MG | 1a | 1741 | 1/1 | 0.85 | 0.38 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3673 | 1/1 | 0.85 | 0.19 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3675 | 1/1 | 0.85 | 0.49 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3676 | 1/1 | 0.85 | 0.22 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3466 | 1/1 | 0.85 | 0.24 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3231 | 1/1 | 0.85 | 0.13 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3001 | 1/1 | 0.85 | 0.13 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3951 | 1/1 | 0.85 | 0.71 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3809 | 1/1 | 0.85 | 0.11 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3603 | 1/1 | 0.85 | 0.23 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3833 | 1/1 | 0.85 | 0.20 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3842 | 1/1 | 0.85 | 0.23 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3518 | 1/1 | 0.85 | 0.12 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3127 | 1/1 | 0.85 | 0.18 | 34,34,34,34 | 0 |
| 55 | MG | 2B | 3007 | 1/1 | 0.85 | 0.12 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1609 | 1/1 | 0.85 | 0.27 | 80,80,80,80 | 0 |
| 55 | MG | 2e | 201 | 1/1 | 0.85 | 0.21 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3873 | 1/1 | 0.85 | 0.34 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3100 | 1/1 | 0.85 | 0.24 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3010 | 1/1 | 0.85 | 0.56 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3875 | 1/1 | 0.85 | 0.66 | 102,102,102,102 | 0 |
| 55 | MG | 2a | 1612 | 1/1 | 0.85 | 0.27 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3175 | 1/1 | 0.85 | 0.15 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3543 | 1/1 | 0.85 | 0.28 | 57,57,57,57 | 0 |
| 55 | MG | 2a | 1616 | 1/1 | 0.85 | 0.20 | 69,69,69,69 | 0 |
| 55 | MG | 2a | 1717 | 1/1 | 0.85 | 0.29 | 90,90,90,90 | 0 |
| 55 | MG | 1A | 3789 | 1/1 | 0.86 | 0.09 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3804 | 1/1 | 0.86 | 0.48 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3620 | 1/1 | 0.86 | 0.98 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3691 | 1/1 | 0.86 | 0.12 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3613 | 1/1 | 0.86 | 0.11 | 53,53,53,53 | 0 |
| 55 | MG | 1D | 315 | 1/1 | 0.86 | 0.18 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3616 | 1/1 | 0.86 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 2a | 1673 | 1/1 | 0.86 | 0.20 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3849 | 1/1 | 0.86 | 0.27 | 64,64,64,64 | 0 |
| 55 | MG | 1a | 1772 | 1/1 | 0.86 | 0.20 | 71,71,71,71 | 0 |
| 55 | MG | 1a | 1775 | 1/1 | 0.86 | 0.21 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3861 | 1/1 | 0.86 | 0.16 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1777 | 1/1 | 0.86 | 0.08 | 72,72,72,72 | 0 |
| 55 | MG | 2a | 1694 | 1/1 | 0.86 | 0.20 | 53,53,53,53 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3864 | 1/1 | 0.86 | 0.56 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3469 | 1/1 | 0.86 | 0.32 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3532 | 1/1 | 0.86 | 0.24 | 68,68,68,68 | 0 |
| 55 | MG | 1a | 1785 | 1/1 | 0.86 | 0.17 | 96,96,96,96 | 0 |
| 55 | MG | 2V | 204 | 1/1 | 0.86 | 0.54 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3030 | 1/1 | 0.86 | 0.37 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3218 | 1/1 | 0.86 | 0.53 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3198 | 1/1 | 0.86 | 0.14 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3670 | 1/1 | 0.86 | 0.26 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3672 | 1/1 | 0.86 | 0.19 | 65,65,65,65 | 0 |
| 55 | MG | 1a | 1670 | 1/1 | 0.86 | 0.19 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3504 | 1/1 | 0.86 | 0.73 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3879 | 1/1 | 0.86 | 0.44 | 33,33,33,33 | 0 |
| 55 | MG | 25 | 103 | 1/1 | 0.86 | 0.71 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3510 | 1/1 | 0.86 | 0.12 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3919 | 1/1 | 0.86 | 0.21 | 122,122,122,122 | 0 |
| 55 | MG | 2a | 1759 | 1/1 | 0.86 | 0.25 | 84,84,84,84 | 0 |
| 55 | MG | 1a | 1673 | 1/1 | 0.86 | 0.27 | 35,35,35,35 | 0 |
| 55 | MG | 1a | 1674 | 1/1 | 0.86 | 0.26 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3882 | 1/1 | 0.86 | 0.11 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3519 | 1/1 | 0.86 | 0.15 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1677 | 1/1 | 0.86 | 0.36 | 102,102,102,102 | 0 |
| 55 | MG | 2A | 3061 | 1/1 | 0.86 | 0.19 | 39,39,39,39 | 0 |
| 55 | MG | 18 | 3301 | 1/1 | 0.86 | 0.54 | 45,45,45,45 | 0 |
| 55 | MG | 2a | 1808 | 1/1 | 0.86 | 0.29 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3251 | 1/1 | 0.86 | 0.28 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3634 | 1/1 | 0.86 | 0.14 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3083 | 1/1 | 0.86 | 1.06 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3554 | 1/1 | 0.86 | 0.17 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3172 | 1/1 | 0.86 | 0.32 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3073 | 1/1 | 0.86 | 0.22 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3733 | 1/1 | 0.86 | 0.11 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3566 | 1/1 | 0.86 | 0.11 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3112 | 1/1 | 0.86 | 1.11 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3258 | 1/1 | 0.86 | 0.21 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3320 | 1/1 | 0.86 | 0.10 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3763 | 1/1 | 0.86 | 0.13 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3580 | 1/1 | 0.86 | 0.32 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3132 | 1/1 | 0.86 | 0.24 | 36,36,36,36 | 0 |
| 55 | MG | 1a | 1629 | 1/1 | 0.86 | 0.58 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3146 | 1/1 | 0.86 | 0.45 | 22,22,22,22 | 0 |
| 55 | MG | 2l | 3002 | 1/1 | 0.86 | 0.19 | 70,70,70,70 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3151 | 1/1 | 0.86 | 0.36 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3163 | 1/1 | 0.86 | 0.67 | 32,32,32,32 | 0 |
| 55 | MG | 1f | 8001 | 1/1 | 0.86 | 0.36 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3233 | 1/1 | 0.86 | 0.40 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3148 | 1/1 | 0.86 | 0.38 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3257 | 1/1 | 0.87 | 0.20 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3182 | 1/1 | 0.87 | 0.28 | 24,24,24,24 | 0 |
| 55 | MG | 1a | 1601 | 1/1 | 0.87 | 0.16 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3763 | 1/1 | 0.87 | 0.44 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3261 | 1/1 | 0.87 | 0.19 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3097 | 1/1 | 0.87 | 0.68 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3900 | 1/1 | 0.87 | 0.15 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3636 | 1/1 | 0.87 | 0.54 | 40,40,40,40 | 0 |
| 55 | MG | 1a | 1715 | 1/1 | 0.87 | 0.14 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3585 | 1/1 | 0.87 | 0.26 | 65,65,65,65 | 0 |
| 55 | MG | 2D | 303 | 1/1 | 0.87 | 0.27 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3538 | 1/1 | 0.87 | 0.22 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3110 | 1/1 | 0.87 | 0.71 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3151 | 1/1 | 0.87 | 0.16 | 20,20,20,20 | 0 |
| 55 | MG | 2a | 1681 | 1/1 | 0.87 | 0.18 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3041 | 1/1 | 0.87 | 0.14 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3120 | 1/1 | 0.87 | 0.07 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3811 | 1/1 | 0.87 | 0.20 | 65,65,65,65 | 0 |
| 55 | MG | 1a | 1746 | 1/1 | 0.87 | 0.12 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3938 | 1/1 | 0.87 | 0.89 | 21,21,21,21 | 0 |
| 55 | MG | 2a | 1709 | 1/1 | 0.87 | 0.29 | 102,102,102,102 | 0 |
| 55 | MG | 1A | 3027 | 1/1 | 0.87 | 0.23 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3137 | 1/1 | 0.87 | 0.29 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3359 | 1/1 | 0.87 | 0.10 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3370 | 1/1 | 0.87 | 0.24 | 76,76,76,76 | 0 |
| 55 | MG | 1d | 306 | 1/1 | 0.87 | 0.06 | 98,98,98,98 | 0 |
| 55 | MG | 1A | 3132 | 1/1 | 0.87 | 0.24 | 22,22,22,22 | 0 |
| 55 | MG | 1a | 1630 | 1/1 | 0.87 | 0.30 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3867 | 1/1 | 0.87 | 0.15 | 58,58,58,58 | 0 |
| 55 | MG | 1k | 3001 | 1/1 | 0.87 | 0.13 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3651 | 1/1 | 0.87 | 0.10 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3781 | 1/1 | 0.87 | 0.27 | 28,28,28,28 | 0 |
| 55 | MG | 1o | 102 | 1/1 | 0.87 | 0.26 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3467 | 1/1 | 0.87 | 0.11 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3166 | 1/1 | 0.87 | 0.22 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3669 | 1/1 | 0.87 | 0.12 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3441 | 1/1 | 0.87 | 0.10 | 87,87,87,87 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3672 | 1/1 | 0.87 | 0.11 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3002 | 1/1 | 0.87 | 0.44 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3486 | 1/1 | 0.87 | 0.12 | 35,35,35,35 | 0 |
| 55 | MG | 2a | 1606 | 1/1 | 0.87 | 0.11 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3182 | 1/1 | 0.87 | 0.47 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3462 | 1/1 | 0.87 | 0.56 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3054 | 1/1 | 0.87 | 0.23 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3011 | 1/1 | 0.87 | 0.28 | 54,54,54,54 | 0 |
| 55 | MG | 2a | 1810 | 1/1 | 0.87 | 0.10 | 105,105,105,105 | 0 |
| 55 | MG | 1A | 3144 | 1/1 | 0.87 | 0.31 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3855 | 1/1 | 0.87 | 0.29 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3201 | 1/1 | 0.87 | 0.20 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3715 | 1/1 | 0.87 | 0.17 | 16,16,16,16 | 0 |
| 55 | MG | 1P | 204 | 1/1 | 0.87 | 0.16 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3866 | 1/1 | 0.87 | 0.09 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3212 | 1/1 | 0.87 | 0.51 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1671 | 1/1 | 0.87 | 0.21 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3032 | 1/1 | 0.87 | 1.01 | 51,51,51,51 | 0 |
| 55 | MG | 2a | 1634 | 1/1 | 0.87 | 0.30 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3501 | 1/1 | 0.87 | 0.26 | 31,31,31,31 | 0 |
| 55 | MG | 1U | 204 | 1/1 | 0.87 | 0.59 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3514 | 1/1 | 0.87 | 0.24 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1675 | 1/1 | 0.87 | 0.27 | 25,25,25,25 | 0 |
| 55 | MG | 10 | 102 | 1/1 | 0.87 | 0.41 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3010 | 1/1 | 0.87 | 0.58 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3541 | 1/1 | 0.87 | 0.21 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3055 | 1/1 | 0.87 | 0.25 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3012 | 1/1 | 0.87 | 0.48 | 15,15,15,15 | 0 |
| 55 | MG | 2A | 3548 | 1/1 | 0.87 | 0.24 | 69,69,69,69 | 0 |
| 55 | MG | 2z | 102 | 1/1 | 0.87 | 0.28 | 78,78,78,78 | 0 |
| 55 | MG | 1a | 1826 | 1/1 | 0.87 | 0.22 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3184 | 1/1 | 0.88 | 0.64 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1662 | 1/1 | 0.88 | 0.73 | 90,90,90,90 | 0 |
| 55 | MG | 1a | 1611 | 1/1 | 0.88 | 0.25 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3230 | 1/1 | 0.88 | 0.61 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3195 | 1/1 | 0.88 | 0.51 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3668 | 1/1 | 0.88 | 0.09 | 43,43,43,43 | 0 |
| 55 | MG | 1a | 1618 | 1/1 | 0.88 | 0.51 | 89,89,89,89 | 0 |
| 55 | MG | 1A | 3534 | 1/1 | 0.88 | 0.14 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3791 | 1/1 | 0.88 | 0.08 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3609 | 1/1 | 0.88 | 0.35 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3784 | 1/1 | 0.88 | 0.37 | 54,54,54,54 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3109 | 1/1 | 0.88 | 0.09 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3817 | 1/1 | 0.88 | 0.08 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3677 | 1/1 | 0.88 | 0.12 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3800 | 1/1 | 0.88 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3829 | 1/1 | 0.88 | 0.26 | 77,77,77,77 | 0 |
| 55 | MG | 1A | 3094 | 1/1 | 0.88 | 0.84 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3145 | 1/1 | 0.88 | 1.16 | 24,24,24,24 | 0 |
| 55 | MG | 2a | 1690 | 1/1 | 0.88 | 0.32 | 53,53,53,53 | 0 |
| 55 | MG | 2F | 311 | 1/1 | 0.88 | 0.41 | 72,72,72,72 | 0 |
| 55 | MG | 1d | 305 | 1/1 | 0.88 | 0.31 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3556 | 1/1 | 0.88 | 0.89 | 34,34,34,34 | 0 |
| 55 | MG | 2G | 3003 | 1/1 | 0.88 | 0.11 | 66,66,66,66 | 0 |
| 55 | MG | 2a | 1713 | 1/1 | 0.88 | 0.12 | 78,78,78,78 | 0 |
| 55 | MG | 2A | 3466 | 1/1 | 0.88 | 0.09 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3631 | 1/1 | 0.88 | 0.23 | 70,70,70,70 | 0 |
| 55 | MG | 1A | 3847 | 1/1 | 0.88 | 0.13 | 41,41,41,41 | 0 |
| 55 | MG | 2R | 201 | 1/1 | 0.88 | 0.95 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3635 | 1/1 | 0.88 | 0.06 | 54,54,54,54 | 0 |
| 55 | MG | 2U | 205 | 1/1 | 0.88 | 0.55 | 49,49,49,49 | 0 |
| 55 | MG | 1D | 316 | 1/1 | 0.88 | 0.26 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1738 | 1/1 | 0.88 | 0.29 | 83,83,83,83 | 0 |
| 55 | MG | 1a | 1656 | 1/1 | 0.88 | 0.21 | 71,71,71,71 | 0 |
| 55 | MG | 1a | 1766 | 1/1 | 0.88 | 0.10 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3497 | 1/1 | 0.88 | 0.36 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3501 | 1/1 | 0.88 | 0.24 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3252 | 1/1 | 0.88 | 0.44 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3126 | 1/1 | 0.88 | 0.26 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3635 | 1/1 | 0.88 | 0.13 | 65,65,65,65 | 0 |
| 55 | MG | 2a | 1757 | 1/1 | 0.88 | 0.16 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3209 | 1/1 | 0.88 | 0.46 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3871 | 1/1 | 0.88 | 0.40 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3570 | 1/1 | 0.88 | 0.29 | 24,24,24,24 | 0 |
| 55 | MG | 2a | 1778 | 1/1 | 0.88 | 0.20 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3213 | 1/1 | 0.88 | 0.54 | 29,29,29,29 | 0 |
| 55 | MG | 2a | 1782 | 1/1 | 0.88 | 0.16 | 79,79,79,79 | 0 |
| 55 | MG | 1A | 3727 | 1/1 | 0.88 | 0.18 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3294 | 1/1 | 0.88 | 0.08 | 77,77,77,77 | 0 |
| 55 | MG | 2a | 1785 | 1/1 | 0.88 | 0.09 | 77,77,77,77 | 0 |
| 55 | MG | 2a | 1793 | 1/1 | 0.88 | 0.58 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3515 | 1/1 | 0.88 | 0.36 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1803 | 1/1 | 0.88 | 0.22 | 81,81,81,81 | 0 |
| 55 | MG | 2A | 3531 | 1/1 | 0.88 | 0.07 | 51,51,51,51 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 13 | 102 | 1/1 | 0.88 | 1.24 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3535 | 1/1 | 0.88 | 0.16 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3539 | 1/1 | 0.88 | 0.12 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3304 | 1/1 | 0.88 | 0.21 | 51,51,51,51 | 0 |
| 55 | MG | 2a | 1825 | 1/1 | 0.88 | 0.08 | 97,97,97,97 | 0 |
| 55 | MG | 1A | 3883 | 1/1 | 0.88 | 0.23 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3709 | 1/1 | 0.88 | 0.23 | 78,78,78,78 | 0 |
| 55 | MG | 2A | 3317 | 1/1 | 0.88 | 0.09 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3319 | 1/1 | 0.88 | 0.23 | 81,81,81,81 | 0 |
| 55 | MG | 2A | 3948 | 1/1 | 0.88 | 0.56 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3177 | 1/1 | 0.88 | 0.47 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1629 | 1/1 | 0.88 | 0.24 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3168 | 1/1 | 0.88 | 0.79 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3954 | 1/1 | 0.88 | 1.10 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3743 | 1/1 | 0.88 | 0.62 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3331 | 1/1 | 0.88 | 0.22 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1801 | 1/1 | 0.88 | 0.19 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3018 | 1/1 | 0.88 | 0.65 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3560 | 1/1 | 0.88 | 0.39 | 85,85,85,85 | 0 |
| 55 | MG | 2A | 3563 | 1/1 | 0.88 | 1.03 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3566 | 1/1 | 0.88 | 0.27 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3593 | 1/1 | 0.88 | 0.28 | 48,48,48,48 | 0 |
| 55 | MG | 2a | 1654 | 1/1 | 0.88 | 0.18 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3599 | 1/1 | 0.88 | 0.16 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3657 | 1/1 | 0.88 | 0.52 | 32,32,32,32 | 0 |
| 56 | ZN | 14 | 501 | 1/1 | 0.88 | 0.03 | 138,138,138,138 | 0 |
| 55 | MG | 2A | 3036 | 1/1 | 0.88 | 0.23 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3932 | 1/1 | 0.89 | 0.41 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3579 | 1/1 | 0.89 | 0.12 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3648 | 1/1 | 0.89 | 0.13 | 66,66,66,66 | 0 |
| 55 | MG | 1a | 1663 | 1/1 | 0.89 | 0.38 | 86,86,86,86 | 0 |
| 55 | MG | 1A | 3322 | 1/1 | 0.89 | 0.25 | 30,30,30,30 | 0 |
| 55 | MG | 1G | 3001 | 1/1 | 0.89 | 0.12 | 96,96,96,96 | 0 |
| 55 | MG | 2A | 3683 | 1/1 | 0.89 | 0.14 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3732 | 1/1 | 0.89 | 0.04 | 91,91,91,91 | 0 |
| 55 | MG | 2A | 3069 | 1/1 | 0.89 | 0.61 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3070 | 1/1 | 0.89 | 0.23 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3958 | 1/1 | 0.89 | 0.21 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3699 | 1/1 | 0.89 | 0.10 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3967 | 1/1 | 0.89 | 0.76 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3509 | 1/1 | 0.89 | 0.14 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3970 | 1/1 | 0.89 | 0.49 | 54,54,54,54 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3703 | 1/1 | 0.89 | 0.20 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3081 | 1/1 | 0.89 | 0.25 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3586 | 1/1 | 0.89 | 0.64 | 9,9,9,9 | 0 |
| 55 | MG | 2A | 3258 | 1/1 | 0.89 | 0.73 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3714 | 1/1 | 0.89 | 0.23 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3527 | 1/1 | 0.89 | 0.29 | 28,28,28,28 | 0 |
| 55 | MG | 2a | 1675 | 1/1 | 0.89 | 0.20 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3086 | 1/1 | 0.89 | 0.10 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3077 | 1/1 | 0.89 | 0.24 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3752 | 1/1 | 0.89 | 0.30 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3893 | 1/1 | 0.89 | 0.16 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3270 | 1/1 | 0.89 | 0.43 | 45,45,45,45 | 0 |
| 55 | MG | 10 | 107 | 1/1 | 0.89 | 0.80 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3743 | 1/1 | 0.89 | 0.27 | 55,55,55,55 | 0 |
| 55 | MG | 11 | 102 | 1/1 | 0.89 | 0.30 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3754 | 1/1 | 0.89 | 0.33 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3656 | 1/1 | 0.89 | 0.96 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3904 | 1/1 | 0.89 | 0.21 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3034 | 1/1 | 0.89 | 0.26 | 18,18,18,18 | 0 |
| 55 | MG | 1a | 1682 | 1/1 | 0.89 | 0.20 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3316 | 1/1 | 0.89 | 0.22 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3124 | 1/1 | 0.89 | 0.75 | 48,48,48,48 | 0 |
| 55 | MG | 1a | 1844 | 1/1 | 0.89 | 0.09 | 70,70,70,70 | 0 |
| 55 | MG | 19 | 104 | 1/1 | 0.89 | 0.17 | 58,58,58,58 | 0 |
| 55 | MG | 2a | 1732 | 1/1 | 0.89 | 0.62 | 78,78,78,78 | 0 |
| 55 | MG | 2D | 317 | 1/1 | 0.89 | 0.68 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3564 | 1/1 | 0.89 | 0.83 | 42,42,42,42 | 0 |
| 55 | MG | 1a | 1686 | 1/1 | 0.89 | 0.24 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1741 | 1/1 | 0.89 | 0.35 | 66,66,66,66 | 0 |
| 55 | MG | 1a | 1689 | 1/1 | 0.89 | 0.32 | 59,59,59,59 | 0 |
| 55 | MG | 1a | 1690 | 1/1 | 0.89 | 0.23 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3038 | 1/1 | 0.89 | 0.79 | 47,47,47,47 | 0 |
| 55 | MG | 1a | 1708 | 1/1 | 0.89 | 0.23 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3336 | 1/1 | 0.89 | 0.39 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3806 | 1/1 | 0.89 | 1.59 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3453 | 1/1 | 0.89 | 0.08 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3814 | 1/1 | 0.89 | 0.13 | 92,92,92,92 | 0 |
| 55 | MG | 1A | 3229 | 1/1 | 0.89 | 0.14 | 42,42,42,42 | 0 |
| 55 | MG | 2R | 202 | 1/1 | 0.89 | 0.26 | 43,43,43,43 | 0 |
| 55 | MG | 2a | 1765 | 1/1 | 0.89 | 0.38 | 35,35,35,35 | 0 |
| 55 | MG | 2a | 1766 | 1/1 | 0.89 | 0.09 | 94,94,94,94 | 0 |
| 55 | MG | 2A | 3156 | 1/1 | 0.89 | 1.00 | 47,47,47,47 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3934 | 1/1 | 0.89 | 0.27 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3372 | 1/1 | 0.89 | 0.40 | 56,56,56,56 | 0 |
| 55 | MG | 2W | 3002 | 1/1 | 0.89 | 0.31 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3266 | 1/1 | 0.89 | 0.47 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3190 | 1/1 | 0.89 | 0.53 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3544 | 1/1 | 0.89 | 0.17 | 51,51,51,51 | 0 |
| 55 | MG | 2a | 1787 | 1/1 | 0.89 | 0.39 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3395 | 1/1 | 0.89 | 0.11 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3950 | 1/1 | 0.89 | 0.60 | 10,10,10,10 | 0 |
| 55 | MG | 2a | 1801 | 1/1 | 0.89 | 0.16 | 86,86,86,86 | 0 |
| 55 | MG | 2A | 3856 | 1/1 | 0.89 | 0.45 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3195 | 1/1 | 0.89 | 0.19 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3860 | 1/1 | 0.89 | 0.19 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3687 | 1/1 | 0.89 | 0.13 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3621 | 1/1 | 0.89 | 0.22 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3197 | 1/1 | 0.89 | 0.24 | 21,21,21,21 | 0 |
| 55 | MG | 1a | 1755 | 1/1 | 0.89 | 0.23 | 76,76,76,76 | 0 |
| 55 | MG | 1B | 205 | 1/1 | 0.89 | 0.16 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1757 | 1/1 | 0.89 | 0.14 | 83,83,83,83 | 0 |
| 55 | MG | 2a | 1611 | 1/1 | 0.89 | 0.76 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3140 | 1/1 | 0.89 | 0.93 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3488 | 1/1 | 0.89 | 0.23 | 54,54,54,54 | 0 |
| 55 | MG | 2a | 1836 | 1/1 | 0.89 | 0.31 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3242 | 1/1 | 0.89 | 0.23 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3457 | 1/1 | 0.89 | 0.28 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3126 | 1/1 | 0.89 | 0.49 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3892 | 1/1 | 0.89 | 0.30 | 61,61,61,61 | 0 |
| 55 | MG | 1a | 1642 | 1/1 | 0.89 | 0.20 | 89,89,89,89 | 0 |
| 55 | MG | 1A | 3104 | 1/1 | 0.89 | 0.79 | 26,26,26,26 | 0 |
| 55 | MG | 1B | 228 | 1/1 | 0.89 | 0.16 | 53,53,53,53 | 0 |
| 55 | MG | 1D | 303 | 1/1 | 0.89 | 0.73 | 27,27,27,27 | 0 |
| 55 | MG | 2a | 1626 | 1/1 | 0.89 | 0.10 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1648 | 1/1 | 0.89 | 0.14 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1628 | 1/1 | 0.89 | 0.88 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3482 | 1/1 | 0.89 | 0.40 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3922 | 1/1 | 0.89 | 0.18 | 17,17,17,17 | 0 |
| 55 | MG | 2A | 3669 | 1/1 | 0.89 | 0.47 | 31,31,31,31 | 0 |
| 55 | MG | 1a | 1650 | 1/1 | 0.89 | 0.27 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3575 | 1/1 | 0.89 | 0.18 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3860 | 1/1 | 0.89 | 0.07 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3471 | 1/1 | 0.90 | 0.14 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3472 | 1/1 | 0.90 | 0.13 | 68,68,68,68 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2A | 3651 | 1/1 | 0.90 | 0.21 | 47,47,47,47 | 0 |
| 55 | MG | 1a | 1685 | 1/1 | 0.90 | 0.62 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1637 | 1/1 | 0.90 | 0.13 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3656 | 1/1 | 0.90 | 0.08 | 62,62,62,62 | 0 |
| 55 | MG | 1a | 1621 | 1/1 | 0.90 | 0.24 | 38,38,38,38 | 0 |
| 55 | MG | 2a | 1641 | 1/1 | 0.90 | 0.29 | 95,95,95,95 | 0 |
| 55 | MG | 2A | 3659 | 1/1 | 0.90 | 1.06 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3921 | 1/1 | 0.90 | 0.64 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3663 | 1/1 | 0.90 | 0.16 | 25,25,25,25 | 0 |
| 55 | MG | 1a | 1813 | 1/1 | 0.90 | 0.14 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3924 | 1/1 | 0.90 | 0.78 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3488 | 1/1 | 0.90 | 0.13 | 64,64,64,64 | 0 |
| 55 | MG | 2A | 3243 | 1/1 | 0.90 | 0.85 | 28,28,28,28 | 0 |
| 55 | MG | 1B | 219 | 1/1 | 0.90 | 0.09 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3196 | 1/1 | 0.90 | 0.54 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3592 | 1/1 | 0.90 | 0.41 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3456 | 1/1 | 0.90 | 0.13 | 55,55,55,55 | 0 |
| 55 | MG | 1D | 304 | 1/1 | 0.90 | 0.52 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3507 | 1/1 | 0.90 | 0.17 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3093 | 1/1 | 0.90 | 0.19 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3682 | 1/1 | 0.90 | 0.10 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1724 | 1/1 | 0.90 | 0.45 | 70,70,70,70 | 0 |
| 55 | MG | 1a | 1730 | 1/1 | 0.90 | 0.35 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3512 | 1/1 | 0.90 | 0.10 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1840 | 1/1 | 0.90 | 0.23 | 81,81,81,81 | 0 |
| 55 | MG | 1a | 1731 | 1/1 | 0.90 | 0.16 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3108 | 1/1 | 0.90 | 0.85 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1734 | 1/1 | 0.90 | 0.19 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3705 | 1/1 | 0.90 | 0.26 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3461 | 1/1 | 0.90 | 0.07 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3749 | 1/1 | 0.90 | 0.16 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3528 | 1/1 | 0.90 | 0.13 | 62,62,62,62 | 0 |
| 55 | MG | 1a | 1743 | 1/1 | 0.90 | 0.31 | 58,58,58,58 | 0 |
| 55 | MG | 2a | 1689 | 1/1 | 0.90 | 0.25 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3298 | 1/1 | 0.90 | 0.11 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3533 | 1/1 | 0.90 | 0.13 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3534 | 1/1 | 0.90 | 0.78 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3051 | 1/1 | 0.90 | 0.36 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3729 | 1/1 | 0.90 | 0.12 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3732 | 1/1 | 0.90 | 0.24 | 95,95,95,95 | 0 |
| 55 | MG | 1D | 317 | 1/1 | 0.90 | 0.34 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3102 | 1/1 | 0.90 | 0.77 | 39,39,39,39 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3741 | 1/1 | 0.90 | 0.26 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3149 | 1/1 | 0.90 | 0.41 | 15,15,15,15 | 0 |
| 55 | MG | 1g | 3001 | 1/1 | 0.90 | 0.24 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3103 | 1/1 | 0.90 | 0.32 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3745 | 1/1 | 0.90 | 0.61 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3747 | 1/1 | 0.90 | 0.31 | 43,43,43,43 | 0 |
| 55 | MG | 2D | 304 | 1/1 | 0.90 | 0.28 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3749 | 1/1 | 0.90 | 0.38 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3750 | 1/1 | 0.90 | 0.19 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3774 | 1/1 | 0.90 | 0.57 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3083 | 1/1 | 0.90 | 1.79 | 33,33,33,33 | 0 |
| 55 | MG | 1l | 3002 | 1/1 | 0.90 | 0.25 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3910 | 1/1 | 0.90 | 0.50 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3214 | 1/1 | 0.90 | 0.56 | 22,22,22,22 | 0 |
| 55 | MG | 1a | 1658 | 1/1 | 0.90 | 1.30 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3766 | 1/1 | 0.90 | 0.05 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3768 | 1/1 | 0.90 | 0.14 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3774 | 1/1 | 0.90 | 0.12 | 49,49,49,49 | 0 |
| 55 | MG | 1V | 201 | 1/1 | 0.90 | 0.27 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3680 | 1/1 | 0.90 | 0.21 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3342 | 1/1 | 0.90 | 0.20 | 45,45,45,45 | 0 |
| 55 | MG | 2a | 1774 | 1/1 | 0.90 | 0.23 | 81,81,81,81 | 0 |
| 55 | MG | 1a | 1662 | 1/1 | 0.90 | 0.24 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3561 | 1/1 | 0.90 | 0.58 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3257 | 1/1 | 0.90 | 0.77 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3569 | 1/1 | 0.90 | 0.76 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3572 | 1/1 | 0.90 | 0.09 | 67,67,67,67 | 0 |
| 55 | MG | 2U | 201 | 1/1 | 0.90 | 0.72 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3564 | 1/1 | 0.90 | 0.35 | 25,25,25,25 | 0 |
| 55 | MG | 2a | 1788 | 1/1 | 0.90 | 0.18 | 86,86,86,86 | 0 |
| 55 | MG | 1A | 3071 | 1/1 | 0.90 | 0.29 | 26,26,26,26 | 0 |
| 55 | MG | 2a | 1795 | 1/1 | 0.90 | 0.34 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3803 | 1/1 | 0.90 | 0.10 | 83,83,83,83 | 0 |
| 55 | MG | 2a | 1799 | 1/1 | 0.90 | 0.15 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3374 | 1/1 | 0.90 | 0.17 | 30,30,30,30 | 0 |
| 55 | MG | 2a | 1802 | 1/1 | 0.90 | 0.18 | 95,95,95,95 | 0 |
| 55 | MG | 2A | 3012 | 1/1 | 0.90 | 0.53 | 34,34,34,34 | 0 |
| 55 | MG | 2a | 1804 | 1/1 | 0.90 | 0.07 | 88,88,88,88 | 0 |
| 55 | MG | 2X | 102 | 1/1 | 0.90 | 0.20 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3019 | 1/1 | 0.90 | 0.57 | 40,40,40,40 | 0 |
| 55 | MG | 15 | 102 | 1/1 | 0.90 | 0.37 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3180 | 1/1 | 0.90 | 0.34 | 51,51,51,51 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1813 | 1/1 | 0.90 | 0.07 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3827 | 1/1 | 0.90 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3397 | 1/1 | 0.90 | 0.49 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3402 | 1/1 | 0.90 | 0.16 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3330 | 1/1 | 0.90 | 0.41 | 57,57,57,57 | 0 |
| 55 | MG | 27 | 102 | 1/1 | 0.90 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3834 | 1/1 | 0.90 | 0.28 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3837 | 1/1 | 0.90 | 0.13 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3026 | 1/1 | 0.90 | 0.63 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3716 | 1/1 | 0.90 | 0.34 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3091 | 1/1 | 0.90 | 0.52 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3639 | 1/1 | 0.90 | 0.30 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3504 | 1/1 | 0.90 | 0.10 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3840 | 1/1 | 0.90 | 0.28 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3506 | 1/1 | 0.90 | 0.19 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3447 | 1/1 | 0.90 | 0.13 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3374 | 1/1 | 0.90 | 0.09 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3037 | 1/1 | 0.90 | 0.25 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1794 | 1/1 | 0.90 | 0.27 | 45,45,45,45 | 0 |
| 55 | MG | 1a | 1795 | 1/1 | 0.90 | 0.17 | 66,66,66,66 | 0 |
| 55 | MG | 1B | 209 | 1/1 | 0.90 | 0.16 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3636 | 1/1 | 0.90 | 0.34 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3120 | 1/1 | 0.90 | 0.26 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3031 | 1/1 | 0.90 | 0.30 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3643 | 1/1 | 0.90 | 1.04 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3731 | 1/1 | 0.90 | 0.10 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1717 | 1/1 | 0.91 | 0.19 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3590 | 1/1 | 0.91 | 0.89 | 43,43,43,43 | 0 |
| 55 | MG | 1a | 1720 | 1/1 | 0.91 | 0.24 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3593 | 1/1 | 0.91 | 0.39 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3831 | 1/1 | 0.91 | 0.20 | 64,64,64,64 | 0 |
| 55 | MG | 1a | 1723 | 1/1 | 0.91 | 0.33 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1618 | 1/1 | 0.91 | 0.35 | 96,96,96,96 | 0 |
| 55 | MG | 2A | 3348 | 1/1 | 0.91 | 0.07 | 56,56,56,56 | 0 |
| 55 | MG | 1a | 1610 | 1/1 | 0.91 | 0.55 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3444 | 1/1 | 0.91 | 0.59 | 32,32,32,32 | 0 |
| 55 | MG | 2a | 1623 | 1/1 | 0.91 | 0.61 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3240 | 1/1 | 0.91 | 0.76 | 17,17,17,17 | 0 |
| 55 | MG | 1e | 3001 | 1/1 | 0.91 | 0.15 | 36,36,36,36 | 0 |
| 55 | MG | 1a | 1732 | 1/1 | 0.91 | 0.24 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3612 | 1/1 | 0.91 | 0.53 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3377 | 1/1 | 0.91 | 0.08 | 36,36,36,36 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3143 | 1/1 | 0.91 | 0.20 | 29,29,29,29 | 0 |
| 55 | MG | 2a | 1630 | 1/1 | 0.91 | 0.11 | 56,56,56,56 | 0 |
| 55 | MG | 1h | 8001 | 1/1 | 0.91 | 0.13 | 64,64,64,64 | 0 |
| 55 | MG | 2A | 3866 | 1/1 | 0.91 | 0.38 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3392 | 1/1 | 0.91 | 0.22 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3393 | 1/1 | 0.91 | 0.10 | 74,74,74,74 | 0 |
| 55 | MG | 1A | 3543 | 1/1 | 0.91 | 0.13 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3160 | 1/1 | 0.91 | 0.20 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3625 | 1/1 | 0.91 | 0.16 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3396 | 1/1 | 0.91 | 0.17 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3622 | 1/1 | 0.91 | 0.10 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3706 | 1/1 | 0.91 | 0.19 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3793 | 1/1 | 0.91 | 1.02 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3243 | 1/1 | 0.91 | 0.19 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3175 | 1/1 | 0.91 | 0.24 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3900 | 1/1 | 0.91 | 0.23 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3244 | 1/1 | 0.91 | 0.32 | 30,30,30,30 | 0 |
| 55 | MG | 2a | 1659 | 1/1 | 0.91 | 0.41 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3908 | 1/1 | 0.91 | 0.16 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3552 | 1/1 | 0.91 | 0.21 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3912 | 1/1 | 0.91 | 0.91 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3642 | 1/1 | 0.91 | 0.21 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1634 | 1/1 | 0.91 | 0.21 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3292 | 1/1 | 0.91 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3719 | 1/1 | 0.91 | 0.31 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3649 | 1/1 | 0.91 | 0.17 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3249 | 1/1 | 0.91 | 0.22 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3472 | 1/1 | 0.91 | 0.06 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3477 | 1/1 | 0.91 | 0.18 | 8,8,8,8 | 0 |
| 55 | MG | 2A | 3191 | 1/1 | 0.91 | 0.44 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3858 | 1/1 | 0.91 | 0.12 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3037 | 1/1 | 0.91 | 0.60 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3660 | 1/1 | 0.91 | 0.74 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3937 | 1/1 | 0.91 | 0.18 | 40,40,40,40 | 0 |
| 55 | MG | 1D | 307 | 1/1 | 0.91 | 0.78 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3020 | 1/1 | 0.91 | 0.51 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3862 | 1/1 | 0.91 | 0.67 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3728 | 1/1 | 0.91 | 0.37 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3317 | 1/1 | 0.91 | 0.18 | 13,13,13,13 | 0 |
| 55 | MG | 1A | 3228 | 1/1 | 0.91 | 0.18 | 37,37,37,37 | 0 |
| 55 | MG | 1F | 302 | 1/1 | 0.91 | 0.40 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3483 | 1/1 | 0.91 | 0.12 | 36,36,36,36 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1700 | 1/1 | 0.91 | 0.31 | 68,68,68,68 | 0 |
| 55 | MG | 1a | 1773 | 1/1 | 0.91 | 0.28 | 43,43,43,43 | 0 |
| 55 | MG | 2a | 1703 | 1/1 | 0.91 | 0.20 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1774 | 1/1 | 0.91 | 0.42 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3959 | 1/1 | 0.91 | 1.02 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3321 | 1/1 | 0.91 | 0.14 | 17,17,17,17 | 0 |
| 55 | MG | 2A | 3964 | 1/1 | 0.91 | 0.29 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3491 | 1/1 | 0.91 | 0.21 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3877 | 1/1 | 0.91 | 0.15 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3493 | 1/1 | 0.91 | 0.11 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1727 | 1/1 | 0.91 | 0.15 | 62,62,62,62 | 0 |
| 55 | MG | 2a | 1728 | 1/1 | 0.91 | 0.20 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3034 | 1/1 | 0.91 | 0.30 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3692 | 1/1 | 0.91 | 0.12 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3498 | 1/1 | 0.91 | 0.16 | 38,38,38,38 | 0 |
| 55 | MG | 1F | 314 | 1/1 | 0.91 | 0.25 | 47,47,47,47 | 0 |
| 55 | MG | 2a | 1739 | 1/1 | 0.91 | 1.65 | 82,82,82,82 | 0 |
| 55 | MG | 1A | 3007 | 1/1 | 0.91 | 0.15 | 26,26,26,26 | 0 |
| 55 | MG | 2a | 1744 | 1/1 | 0.91 | 0.27 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3241 | 1/1 | 0.91 | 0.13 | 72,72,72,72 | 0 |
| 55 | MG | 1a | 1782 | 1/1 | 0.91 | 0.38 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3706 | 1/1 | 0.91 | 0.18 | 70,70,70,70 | 0 |
| 55 | MG | 2A | 3039 | 1/1 | 0.91 | 0.10 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3509 | 1/1 | 0.91 | 0.13 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3135 | 1/1 | 0.91 | 0.28 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3881 | 1/1 | 0.91 | 0.06 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3719 | 1/1 | 0.91 | 0.10 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3110 | 1/1 | 0.91 | 0.26 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1761 | 1/1 | 0.91 | 0.12 | 77,77,77,77 | 0 |
| 55 | MG | 2a | 1763 | 1/1 | 0.91 | 0.21 | 73,73,73,73 | 0 |
| 55 | MG | 2B | 3019 | 1/1 | 0.91 | 0.07 | 63,63,63,63 | 0 |
| 55 | MG | 1U | 202 | 1/1 | 0.91 | 0.50 | 27,27,27,27 | 0 |
| 55 | MG | 2B | 3024 | 1/1 | 0.91 | 0.23 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3052 | 1/1 | 0.91 | 0.70 | 47,47,47,47 | 0 |
| 55 | MG | 2a | 1771 | 1/1 | 0.91 | 0.07 | 83,83,83,83 | 0 |
| 55 | MG | 1A | 3072 | 1/1 | 0.91 | 0.34 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3237 | 1/1 | 0.91 | 0.20 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3731 | 1/1 | 0.91 | 0.23 | 65,65,65,65 | 0 |
| 55 | MG | 2a | 1781 | 1/1 | 0.91 | 0.09 | 73,73,73,73 | 0 |
| 55 | MG | 2D | 307 | 1/1 | 0.91 | 0.79 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3523 | 1/1 | 0.91 | 0.41 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1797 | 1/1 | 0.91 | 0.16 | 72,72,72,72 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2D | 313 | 1/1 | 0.91 | 0.43 | 34,34,34,34 | 0 |
| 55 | MG | 1W | 3002 | 1/1 | 0.91 | 0.24 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3738 | 1/1 | 0.91 | 0.10 | 60,60,60,60 | 0 |
| 55 | MG | 1X | 101 | 1/1 | 0.91 | 0.42 | 32,32,32,32 | 0 |
| 55 | MG | 1a | 1805 | 1/1 | 0.91 | 0.21 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3384 | 1/1 | 0.91 | 0.12 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3272 | 1/1 | 0.91 | 0.47 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3273 | 1/1 | 0.91 | 0.47 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3756 | 1/1 | 0.91 | 0.12 | 14,14,14,14 | 0 |
| 55 | MG | 1A | 3902 | 1/1 | 0.91 | 0.24 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3295 | 1/1 | 0.91 | 0.38 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3903 | 1/1 | 0.91 | 0.19 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3760 | 1/1 | 0.91 | 0.19 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1820 | 1/1 | 0.91 | 0.24 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3549 | 1/1 | 0.91 | 0.20 | 65,65,65,65 | 0 |
| 55 | MG | 2Q | 203 | 1/1 | 0.91 | 0.90 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3303 | 1/1 | 0.91 | 0.19 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3905 | 1/1 | 0.91 | 0.17 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3389 | 1/1 | 0.91 | 0.10 | 8,8,8,8 | 0 |
| 55 | MG | 1A | 3911 | 1/1 | 0.91 | 0.19 | 61,61,61,61 | 0 |
| 55 | MG | 2U | 203 | 1/1 | 0.91 | 0.17 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3392 | 1/1 | 0.91 | 0.15 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3558 | 1/1 | 0.91 | 0.23 | 15,15,15,15 | 0 |
| 55 | MG | 2a | 1835 | 1/1 | 0.91 | 0.45 | 87,87,87,87 | 0 |
| 55 | MG | 2W | 3001 | 1/1 | 0.91 | 0.19 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3318 | 1/1 | 0.91 | 0.45 | 32,32,32,32 | 0 |
| 55 | MG | 2a | 1839 | 1/1 | 0.91 | 0.16 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3772 | 1/1 | 0.91 | 0.14 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3562 | 1/1 | 0.91 | 0.70 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3398 | 1/1 | 0.91 | 0.29 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3324 | 1/1 | 0.91 | 0.19 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3325 | 1/1 | 0.91 | 0.20 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3788 | 1/1 | 0.91 | 0.11 | 94,94,94,94 | 0 |
| 55 | MG | 1A | 3777 | 1/1 | 0.91 | 0.14 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3119 | 1/1 | 0.91 | 0.27 | 35,35,35,35 | 0 |
| 55 | MG | 2l | 3001 | 1/1 | 0.91 | 0.08 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3799 | 1/1 | 0.91 | 0.60 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3142 | 1/1 | 0.91 | 0.28 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3571 | 1/1 | 0.91 | 0.17 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3804 | 1/1 | 0.91 | 0.06 | 54,54,54,54 | 0 |
| 55 | MG | 1a | 1711 | 1/1 | 0.91 | 0.19 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3334 | 1/1 | 0.91 | 0.18 | 47,47,47,47 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2A | 3581 | 1/1 | 0.91 | 0.11 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3413 | 1/1 | 0.91 | 0.22 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3872 | 1/1 | 0.92 | 0.45 | 86,86,86,86 | 0 |
| 55 | MG | 1A | 3004 | 1/1 | 0.92 | 0.20 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3474 | 1/1 | 0.92 | 0.07 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3223 | 1/1 | 0.92 | 0.33 | 48,48,48,48 | 0 |
| 55 | MG | 1F | 307 | 1/1 | 0.92 | 0.67 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3876 | 1/1 | 0.92 | 0.13 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3889 | 1/1 | 0.92 | 0.14 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3314 | 1/1 | 0.92 | 0.09 | 43,43,43,43 | 0 |
| 55 | MG | 1a | 1780 | 1/1 | 0.92 | 0.10 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3897 | 1/1 | 0.92 | 0.14 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3070 | 1/1 | 0.92 | 0.47 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3903 | 1/1 | 0.92 | 0.16 | 58,58,58,58 | 0 |
| 55 | MG | 1G | 3003 | 1/1 | 0.92 | 0.08 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3661 | 1/1 | 0.92 | 0.75 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3457 | 1/1 | 0.92 | 0.14 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3494 | 1/1 | 0.92 | 0.20 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3236 | 1/1 | 0.92 | 0.28 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3497 | 1/1 | 0.92 | 0.30 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3048 | 1/1 | 0.92 | 0.50 | 68,68,68,68 | 0 |
| 55 | MG | 1a | 1790 | 1/1 | 0.92 | 0.10 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3262 | 1/1 | 0.92 | 0.34 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3640 | 1/1 | 0.92 | 0.55 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3039 | 1/1 | 0.92 | 0.11 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3057 | 1/1 | 0.92 | 0.16 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3059 | 1/1 | 0.92 | 0.06 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3023 | 1/1 | 0.92 | 0.62 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3064 | 1/1 | 0.92 | 0.19 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3684 | 1/1 | 0.92 | 0.23 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3687 | 1/1 | 0.92 | 0.12 | 80,80,80,80 | 0 |
| 55 | MG | 1A | 3476 | 1/1 | 0.92 | 0.14 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3901 | 1/1 | 0.92 | 0.12 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3176 | 1/1 | 0.92 | 0.54 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3942 | 1/1 | 0.92 | 0.20 | 30,30,30,30 | 0 |
| 55 | MG | 1Y | 502 | 1/1 | 0.92 | 0.14 | 90,90,90,90 | 0 |
| 55 | MG | 2A | 3698 | 1/1 | 0.92 | 0.07 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3077 | 1/1 | 0.92 | 0.29 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3949 | 1/1 | 0.92 | 1.10 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3341 | 1/1 | 0.92 | 0.11 | 29,29,29,29 | 0 |
| 55 | MG | 10 | 103 | 1/1 | 0.92 | 0.34 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3704 | 1/1 | 0.92 | 0.13 | 69,69,69,69 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3955 | 1/1 | 0.92 | 0.25 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3956 | 1/1 | 0.92 | 0.62 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3526 | 1/1 | 0.92 | 0.22 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3364 | 1/1 | 0.92 | 0.13 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3568 | 1/1 | 0.92 | 0.08 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3909 | 1/1 | 0.92 | 0.12 | 58,58,58,58 | 0 |
| 55 | MG | 2a | 1699 | 1/1 | 0.92 | 0.12 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3966 | 1/1 | 0.92 | 0.42 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1701 | 1/1 | 0.92 | 0.27 | 84,84,84,84 | 0 |
| 55 | MG | 1a | 1688 | 1/1 | 0.92 | 0.12 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3713 | 1/1 | 0.92 | 0.25 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3655 | 1/1 | 0.92 | 0.51 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3102 | 1/1 | 0.92 | 0.37 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3103 | 1/1 | 0.92 | 0.25 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3538 | 1/1 | 0.92 | 0.21 | 52,52,52,52 | 0 |
| 55 | MG | 2a | 1720 | 1/1 | 0.92 | 0.29 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3268 | 1/1 | 0.92 | 0.13 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3090 | 1/1 | 0.92 | 0.28 | 22,22,22,22 | 0 |
| 55 | MG | 1a | 1834 | 1/1 | 0.92 | 0.33 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1705 | 1/1 | 0.92 | 0.12 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3544 | 1/1 | 0.92 | 0.11 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3490 | 1/1 | 0.92 | 0.23 | 17,17,17,17 | 0 |
| 55 | MG | 2a | 1734 | 1/1 | 0.92 | 0.15 | 79,79,79,79 | 0 |
| 55 | MG | 1A | 3270 | 1/1 | 0.92 | 1.52 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3385 | 1/1 | 0.92 | 0.18 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3739 | 1/1 | 0.92 | 0.15 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3740 | 1/1 | 0.92 | 0.26 | 86,86,86,86 | 0 |
| 55 | MG | 2a | 1740 | 1/1 | 0.92 | 0.37 | 71,71,71,71 | 0 |
| 55 | MG | 1a | 1716 | 1/1 | 0.92 | 0.05 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3159 | 1/1 | 0.92 | 0.60 | 16,16,16,16 | 0 |
| 55 | MG | 2a | 1746 | 1/1 | 0.92 | 0.10 | 87,87,87,87 | 0 |
| 55 | MG | 1A | 3498 | 1/1 | 0.92 | 0.30 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1721 | 1/1 | 0.92 | 0.16 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3053 | 1/1 | 0.92 | 0.81 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3746 | 1/1 | 0.92 | 0.29 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3333 | 1/1 | 0.92 | 0.13 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3026 | 1/1 | 0.92 | 0.65 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3133 | 1/1 | 0.92 | 0.20 | 28,28,28,28 | 0 |
| 55 | MG | 2a | 1756 | 1/1 | 0.92 | 0.12 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3505 | 1/1 | 0.92 | 0.26 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3141 | 1/1 | 0.92 | 0.23 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3565 | 1/1 | 0.92 | 0.61 | 33,33,33,33 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3761 | 1/1 | 0.92 | 0.15 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3951 | 1/1 | 0.92 | 0.37 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3798 | 1/1 | 0.92 | 0.23 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3150 | 1/1 | 0.92 | 1.25 | 34,34,34,34 | 0 |
| 55 | MG | 2E | 302 | 1/1 | 0.92 | 0.08 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3405 | 1/1 | 0.92 | 0.13 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1736 | 1/1 | 0.92 | 0.16 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1776 | 1/1 | 0.92 | 0.31 | 60,60,60,60 | 0 |
| 55 | MG | 2F | 301 | 1/1 | 0.92 | 0.23 | 47,47,47,47 | 0 |
| 55 | MG | 2F | 305 | 1/1 | 0.92 | 0.36 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3769 | 1/1 | 0.92 | 0.08 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3153 | 1/1 | 0.92 | 0.12 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3058 | 1/1 | 0.92 | 0.08 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3512 | 1/1 | 0.92 | 0.34 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3158 | 1/1 | 0.92 | 0.15 | 37,37,37,37 | 0 |
| 55 | MG | 1a | 1742 | 1/1 | 0.92 | 0.26 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1627 | 1/1 | 0.92 | 0.10 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1789 | 1/1 | 0.92 | 0.65 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3605 | 1/1 | 0.92 | 0.50 | 44,44,44,44 | 0 |
| 55 | MG | 2Q | 201 | 1/1 | 0.92 | 0.08 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3592 | 1/1 | 0.92 | 0.82 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3165 | 1/1 | 0.92 | 0.09 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1800 | 1/1 | 0.92 | 0.30 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3817 | 1/1 | 0.92 | 0.51 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3794 | 1/1 | 0.92 | 0.13 | 46,46,46,46 | 0 |
| 55 | MG | 1o | 101 | 1/1 | 0.92 | 0.28 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3834 | 1/1 | 0.92 | 0.06 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3607 | 1/1 | 0.92 | 0.14 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3078 | 1/1 | 0.92 | 0.88 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3405 | 1/1 | 0.92 | 0.17 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3406 | 1/1 | 0.92 | 0.19 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3611 | 1/1 | 0.92 | 0.24 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3612 | 1/1 | 0.92 | 0.10 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3815 | 1/1 | 0.92 | 0.20 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3613 | 1/1 | 0.92 | 0.12 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3818 | 1/1 | 0.92 | 0.19 | 50,50,50,50 | 0 |
| 55 | MG | 2a | 1829 | 1/1 | 0.92 | 0.12 | 64,64,64,64 | 0 |
| 55 | MG | 2A | 3415 | 1/1 | 0.92 | 0.32 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1636 | 1/1 | 0.92 | 0.31 | 62,62,62,62 | 0 |
| 55 | MG | 1B | 226 | 1/1 | 0.92 | 0.07 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3435 | 1/1 | 0.92 | 0.06 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3857 | 1/1 | 0.92 | 0.21 | 52,52,52,52 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3615 | 1/1 | 0.92 | 0.20 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3443 | 1/1 | 0.92 | 0.07 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3013 | 1/1 | 0.92 | 0.21 | 31,31,31,31 | 0 |
| 55 | MG | 2b | 3001 | 1/1 | 0.92 | 0.13 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3617 | 1/1 | 0.92 | 0.16 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3863 | 1/1 | 0.92 | 0.18 | 66,66,66,66 | 0 |
| 55 | MG | 1D | 312 | 1/1 | 0.92 | 0.29 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3458 | 1/1 | 0.92 | 0.10 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3634 | 1/1 | 0.92 | 0.06 | 68,68,68,68 | 0 |
| 55 | MG | 1a | 1768 | 1/1 | 0.92 | 0.19 | 75,75,75,75 | 0 |
| 55 | MG | 2a | 1614 | 1/1 | 0.92 | 0.15 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3858 | 1/1 | 0.92 | 0.50 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3519 | 1/1 | 0.92 | 0.32 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3639 | 1/1 | 0.92 | 0.27 | 36,36,36,36 | 0 |
| 55 | MG | 2o | 102 | 1/1 | 0.92 | 0.20 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3862 | 1/1 | 0.92 | 0.08 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3865 | 1/1 | 0.92 | 0.11 | 56,56,56,56 | 0 |
| 55 | MG | 1a | 1655 | 1/1 | 0.92 | 0.16 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3205 | 1/1 | 0.92 | 0.67 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3301 | 1/1 | 0.92 | 0.11 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3451 | 1/1 | 0.92 | 0.26 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3629 | 1/1 | 0.93 | 0.29 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3410 | 1/1 | 0.93 | 0.08 | 54,54,54,54 | 0 |
| 55 | MG | 1a | 1619 | 1/1 | 0.93 | 0.17 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1620 | 1/1 | 0.93 | 0.14 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3171 | 1/1 | 0.93 | 0.25 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3173 | 1/1 | 0.93 | 0.12 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3870 | 1/1 | 0.93 | 0.26 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3871 | 1/1 | 0.93 | 0.63 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3751 | 1/1 | 0.93 | 0.51 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3423 | 1/1 | 0.93 | 0.11 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3432 | 1/1 | 0.93 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3880 | 1/1 | 0.93 | 0.10 | 58,58,58,58 | 0 |
| 55 | MG | 1B | 224 | 1/1 | 0.93 | 0.14 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3882 | 1/1 | 0.93 | 0.72 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3867 | 1/1 | 0.93 | 0.31 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3440 | 1/1 | 0.93 | 0.25 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3658 | 1/1 | 0.93 | 0.08 | 27,27,27,27 | 0 |
| 55 | MG | 1a | 1749 | 1/1 | 0.93 | 0.22 | 68,68,68,68 | 0 |
| 55 | MG | 2a | 1642 | 1/1 | 0.93 | 0.33 | 80,80,80,80 | 0 |
| 55 | MG | 2A | 3449 | 1/1 | 0.93 | 0.10 | 50,50,50,50 | 0 |
| 55 | MG | 2a | 1645 | 1/1 | 0.93 | 0.45 | 33,33,33,33 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3445 | 1/1 | 0.93 | 0.24 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3893 | 1/1 | 0.93 | 1.02 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3894 | 1/1 | 0.93 | 0.31 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3020 | 1/1 | 0.93 | 0.36 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3181 | 1/1 | 0.93 | 0.63 | 36,36,36,36 | 0 |
| 55 | MG | 1a | 1752 | 1/1 | 0.93 | 0.21 | 86,86,86,86 | 0 |
| 55 | MG | 1A | 3610 | 1/1 | 0.93 | 0.70 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3761 | 1/1 | 0.93 | 0.45 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3188 | 1/1 | 0.93 | 0.33 | 39,39,39,39 | 0 |
| 55 | MG | 1D | 309 | 1/1 | 0.93 | 0.43 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3913 | 1/1 | 0.93 | 0.14 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3664 | 1/1 | 0.93 | 0.21 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3192 | 1/1 | 0.93 | 0.86 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3671 | 1/1 | 0.93 | 0.13 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3137 | 1/1 | 0.93 | 0.22 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3920 | 1/1 | 0.93 | 0.52 | 54,54,54,54 | 0 |
| 55 | MG | 1D | 314 | 1/1 | 0.93 | 0.29 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3766 | 1/1 | 0.93 | 0.17 | 24,24,24,24 | 0 |
| 55 | MG | 1a | 1760 | 1/1 | 0.93 | 0.16 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3558 | 1/1 | 0.93 | 0.82 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3484 | 1/1 | 0.93 | 0.12 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3203 | 1/1 | 0.93 | 0.20 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3191 | 1/1 | 0.93 | 0.45 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3681 | 1/1 | 0.93 | 0.26 | 82,82,82,82 | 0 |
| 55 | MG | 1a | 1646 | 1/1 | 0.93 | 0.59 | 47,47,47,47 | 0 |
| 55 | MG | 2a | 1682 | 1/1 | 0.93 | 0.46 | 73,73,73,73 | 0 |
| 55 | MG | 1E | 302 | 1/1 | 0.93 | 0.63 | 18,18,18,18 | 0 |
| 55 | MG | 2a | 1685 | 1/1 | 0.93 | 0.09 | 47,47,47,47 | 0 |
| 55 | MG | 1E | 305 | 1/1 | 0.93 | 0.14 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3685 | 1/1 | 0.93 | 0.15 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3888 | 1/1 | 0.93 | 0.13 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3221 | 1/1 | 0.93 | 0.33 | 30,30,30,30 | 0 |
| 55 | MG | 1a | 1652 | 1/1 | 0.93 | 0.40 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3890 | 1/1 | 0.93 | 0.21 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3380 | 1/1 | 0.93 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3696 | 1/1 | 0.93 | 0.13 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3015 | 1/1 | 0.93 | 0.52 | 33,33,33,33 | 0 |
| 55 | MG | 1a | 1776 | 1/1 | 0.93 | 0.07 | 66,66,66,66 | 0 |
| 55 | MG | 2a | 1705 | 1/1 | 0.93 | 0.76 | 63,63,63,63 | 0 |
| 55 | MG | 2a | 1706 | 1/1 | 0.93 | 0.11 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3503 | 1/1 | 0.93 | 0.23 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3702 | 1/1 | 0.93 | 0.37 | 50,50,50,50 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1714 | 1/1 | 0.93 | 0.21 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3042 | 1/1 | 0.93 | 0.46 | 29,29,29,29 | 0 |
| 55 | MG | 2a | 1718 | 1/1 | 0.93 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 1F | 310 | 1/1 | 0.93 | 0.12 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3047 | 1/1 | 0.93 | 0.19 | 39,39,39,39 | 0 |
| 55 | MG | 1F | 313 | 1/1 | 0.93 | 0.20 | 4,4,4,4 | 0 |
| 55 | MG | 1a | 1660 | 1/1 | 0.93 | 0.31 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3246 | 1/1 | 0.93 | 0.36 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3247 | 1/1 | 0.93 | 0.53 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3050 | 1/1 | 0.93 | 0.88 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3459 | 1/1 | 0.93 | 0.14 | 8,8,8,8 | 0 |
| 55 | MG | 2A | 3717 | 1/1 | 0.93 | 0.20 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3718 | 1/1 | 0.93 | 0.20 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3106 | 1/1 | 0.93 | 0.28 | 27,27,27,27 | 0 |
| 55 | MG | 1a | 1783 | 1/1 | 0.93 | 0.09 | 60,60,60,60 | 0 |
| 55 | MG | 1G | 3002 | 1/1 | 0.93 | 0.08 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3723 | 1/1 | 0.93 | 0.55 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3692 | 1/1 | 0.93 | 0.14 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3525 | 1/1 | 0.93 | 0.35 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1745 | 1/1 | 0.93 | 0.09 | 70,70,70,70 | 0 |
| 55 | MG | 1H | 202 | 1/1 | 0.93 | 0.14 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3062 | 1/1 | 0.93 | 0.34 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3036 | 1/1 | 0.93 | 0.10 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3733 | 1/1 | 0.93 | 0.25 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3065 | 1/1 | 0.93 | 0.17 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3268 | 1/1 | 0.93 | 0.22 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1753 | 1/1 | 0.93 | 0.23 | 102,102,102,102 | 0 |
| 55 | MG | 2A | 3066 | 1/1 | 0.93 | 0.77 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3626 | 1/1 | 0.93 | 0.12 | 68,68,68,68 | 0 |
| 55 | MG | 1a | 1792 | 1/1 | 0.93 | 0.24 | 60,60,60,60 | 0 |
| 55 | MG | 1R | 203 | 1/1 | 0.93 | 0.21 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3709 | 1/1 | 0.93 | 0.10 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3280 | 1/1 | 0.93 | 0.10 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1762 | 1/1 | 0.93 | 0.13 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3713 | 1/1 | 0.93 | 0.20 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3513 | 1/1 | 0.93 | 0.16 | 46,46,46,46 | 0 |
| 55 | MG | 2D | 311 | 1/1 | 0.93 | 0.39 | 24,24,24,24 | 0 |
| 55 | MG | 1U | 205 | 1/1 | 0.93 | 0.31 | 22,22,22,22 | 0 |
| 55 | MG | 1a | 1804 | 1/1 | 0.93 | 0.15 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3087 | 1/1 | 0.93 | 0.46 | 43,43,43,43 | 0 |
| 55 | MG | 2a | 1772 | 1/1 | 0.93 | 0.07 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3550 | 1/1 | 0.93 | 0.14 | 53,53,53,53 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1775 | 1/1 | 0.93 | 0.07 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3091 | 1/1 | 0.93 | 0.79 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3252 | 1/1 | 0.93 | 2.05 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3308 | 1/1 | 0.93 | 0.15 | 36,36,36,36 | 0 |
| 55 | MG | 2a | 1780 | 1/1 | 0.93 | 0.14 | 93,93,93,93 | 0 |
| 55 | MG | 1A | 3129 | 1/1 | 0.93 | 0.20 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3475 | 1/1 | 0.93 | 0.34 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3064 | 1/1 | 0.93 | 0.22 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3585 | 1/1 | 0.93 | 0.20 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3920 | 1/1 | 0.93 | 0.75 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1786 | 1/1 | 0.93 | 0.30 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3814 | 1/1 | 0.93 | 0.16 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3322 | 1/1 | 0.93 | 0.10 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3773 | 1/1 | 0.93 | 0.10 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1790 | 1/1 | 0.93 | 0.11 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3815 | 1/1 | 0.93 | 0.06 | 57,57,57,57 | 0 |
| 55 | MG | 2a | 1794 | 1/1 | 0.93 | 0.04 | 92,92,92,92 | 0 |
| 55 | MG | 1A | 3005 | 1/1 | 0.93 | 0.18 | 20,20,20,20 | 0 |
| 55 | MG | 2H | 8002 | 1/1 | 0.93 | 1.36 | 90,90,90,90 | 0 |
| 55 | MG | 1A | 3945 | 1/1 | 0.93 | 0.24 | 22,22,22,22 | 0 |
| 55 | MG | 2N | 203 | 1/1 | 0.93 | 0.50 | 90,90,90,90 | 0 |
| 55 | MG | 2P | 201 | 1/1 | 0.93 | 0.62 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3826 | 1/1 | 0.93 | 0.07 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3114 | 1/1 | 0.93 | 0.16 | 43,43,43,43 | 0 |
| 55 | MG | 15 | 106 | 1/1 | 0.93 | 0.11 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3118 | 1/1 | 0.93 | 0.30 | 44,44,44,44 | 0 |
| 55 | MG | 1a | 1691 | 1/1 | 0.93 | 0.21 | 59,59,59,59 | 0 |
| 55 | MG | 1a | 1836 | 1/1 | 0.93 | 0.13 | 53,53,53,53 | 0 |
| 55 | MG | 1a | 1697 | 1/1 | 0.93 | 0.12 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1812 | 1/1 | 0.93 | 0.11 | 69,69,69,69 | 0 |
| 55 | MG | 2U | 202 | 1/1 | 0.93 | 0.78 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1702 | 1/1 | 0.93 | 0.08 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3344 | 1/1 | 0.93 | 0.12 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3587 | 1/1 | 0.93 | 0.19 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3947 | 1/1 | 0.93 | 0.55 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3275 | 1/1 | 0.93 | 0.16 | 11,11,11,11 | 0 |
| 55 | MG | 1a | 1843 | 1/1 | 0.93 | 0.23 | 57,57,57,57 | 0 |
| 55 | MG | 18 | 3302 | 1/1 | 0.93 | 0.77 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3591 | 1/1 | 0.93 | 0.32 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3956 | 1/1 | 0.93 | 0.54 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3419 | 1/1 | 0.93 | 0.22 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3376 | 1/1 | 0.93 | 0.12 | 58,58,58,58 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3434 | 1/1 | 0.93 | 0.13 | 20,20,20,20 | 0 |
| 55 | MG | 2a | 1840 | 1/1 | 0.93 | 0.09 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3149 | 1/1 | 0.93 | 1.04 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3823 | 1/1 | 0.93 | 0.06 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3825 | 1/1 | 0.93 | 0.12 | 67,67,67,67 | 0 |
| 55 | MG | 1a | 1603 | 1/1 | 0.93 | 0.23 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3384 | 1/1 | 0.93 | 0.17 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3388 | 1/1 | 0.93 | 0.21 | 56,56,56,56 | 0 |
| 55 | MG | 2a | 1603 | 1/1 | 0.93 | 0.09 | 93,93,93,93 | 0 |
| 55 | MG | 2A | 3390 | 1/1 | 0.93 | 0.19 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3596 | 1/1 | 0.93 | 0.13 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3617 | 1/1 | 0.93 | 0.13 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3598 | 1/1 | 0.93 | 0.22 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3539 | 1/1 | 0.93 | 0.08 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3739 | 1/1 | 0.93 | 0.09 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1612 | 1/1 | 0.93 | 0.20 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1613 | 1/1 | 0.93 | 0.15 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3335 | 1/1 | 0.93 | 0.40 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3164 | 1/1 | 0.93 | 0.30 | 23,23,23,23 | 0 |
| 55 | MG | 1a | 1739 | 1/1 | 0.93 | 0.18 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3358 | 1/1 | 0.93 | 0.10 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3069 | 1/1 | 0.94 | 0.48 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3367 | 1/1 | 0.94 | 0.11 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3477 | 1/1 | 0.94 | 0.29 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3730 | 1/1 | 0.94 | 0.35 | 43,43,43,43 | 0 |
| 55 | MG | 1a | 1831 | 1/1 | 0.94 | 0.33 | 66,66,66,66 | 0 |
| 55 | MG | 1a | 1649 | 1/1 | 0.94 | 0.28 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3368 | 1/1 | 0.94 | 0.13 | 13,13,13,13 | 0 |
| 55 | MG | 1a | 1651 | 1/1 | 0.94 | 0.16 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3371 | 1/1 | 0.94 | 0.06 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3099 | 1/1 | 0.94 | 0.32 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3503 | 1/1 | 0.94 | 0.10 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3154 | 1/1 | 0.94 | 0.83 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3201 | 1/1 | 0.94 | 0.24 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3383 | 1/1 | 0.94 | 0.20 | 13,13,13,13 | 0 |
| 55 | MG | 2A | 3186 | 1/1 | 0.94 | 0.84 | 50,50,50,50 | 0 |
| 55 | MG | 2V | 203 | 1/1 | 0.94 | 0.52 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3156 | 1/1 | 0.94 | 0.21 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3770 | 1/1 | 0.94 | 0.06 | 45,45,45,45 | 0 |
| 55 | MG | 1B | 220 | 1/1 | 0.94 | 0.06 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3511 | 1/1 | 0.94 | 0.22 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3193 | 1/1 | 0.94 | 0.32 | 45,45,45,45 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1B | 225 | 1/1 | 0.94 | 0.19 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3506 | 1/1 | 0.94 | 0.13 | 55,55,55,55 | 0 |
| 55 | MG | 1a | 1667 | 1/1 | 0.94 | 0.41 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3197 | 1/1 | 0.94 | 0.17 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3756 | 1/1 | 0.94 | 0.55 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3757 | 1/1 | 0.94 | 0.23 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3198 | 1/1 | 0.94 | 0.25 | 49,49,49,49 | 0 |
| 55 | MG | 25 | 102 | 1/1 | 0.94 | 0.25 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3128 | 1/1 | 0.94 | 0.20 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3267 | 1/1 | 0.94 | 0.18 | 20,20,20,20 | 0 |
| 55 | MG | 28 | 102 | 1/1 | 0.94 | 0.08 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3390 | 1/1 | 0.94 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 1D | 301 | 1/1 | 0.94 | 0.18 | 21,21,21,21 | 0 |
| 55 | MG | 2a | 1602 | 1/1 | 0.94 | 0.13 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3030 | 1/1 | 0.94 | 0.26 | 10,10,10,10 | 0 |
| 55 | MG | 2A | 3204 | 1/1 | 0.94 | 0.49 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3397 | 1/1 | 0.94 | 0.19 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3522 | 1/1 | 0.94 | 0.14 | 32,32,32,32 | 0 |
| 55 | MG | 2a | 1610 | 1/1 | 0.94 | 0.20 | 79,79,79,79 | 0 |
| 55 | MG | 1D | 306 | 1/1 | 0.94 | 0.12 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3162 | 1/1 | 0.94 | 0.15 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3520 | 1/1 | 0.94 | 0.15 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3213 | 1/1 | 0.94 | 0.54 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3214 | 1/1 | 0.94 | 0.58 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3521 | 1/1 | 0.94 | 0.31 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3522 | 1/1 | 0.94 | 0.14 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3221 | 1/1 | 0.94 | 0.40 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3789 | 1/1 | 0.94 | 0.11 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3225 | 1/1 | 0.94 | 0.18 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3059 | 1/1 | 0.94 | 0.12 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3082 | 1/1 | 0.94 | 0.96 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3537 | 1/1 | 0.94 | 0.21 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3799 | 1/1 | 0.94 | 0.09 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3536 | 1/1 | 0.94 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3537 | 1/1 | 0.94 | 0.43 | 54,54,54,54 | 0 |
| 55 | MG | 1F | 301 | 1/1 | 0.94 | 0.21 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3415 | 1/1 | 0.94 | 0.07 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3812 | 1/1 | 0.94 | 0.06 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3047 | 1/1 | 0.94 | 0.14 | 31,31,31,31 | 0 |
| 55 | MG | 2a | 1632 | 1/1 | 0.94 | 0.08 | 55,55,55,55 | 0 |
| 55 | MG | 1F | 306 | 1/1 | 0.94 | 0.53 | 26,26,26,26 | 0 |
| 55 | MG | 1a | 1694 | 1/1 | 0.94 | 0.32 | 48,48,48,48 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3426 | 1/1 | 0.94 | 0.10 | 15,15,15,15 | 0 |
| 55 | MG | 2A | 3017 | 1/1 | 0.94 | 0.66 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3820 | 1/1 | 0.94 | 0.10 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3249 | 1/1 | 0.94 | 0.14 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3280 | 1/1 | 0.94 | 0.14 | 13,13,13,13 | 0 |
| 55 | MG | 1A | 3548 | 1/1 | 0.94 | 0.12 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3823 | 1/1 | 0.94 | 0.09 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3254 | 1/1 | 0.94 | 0.49 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3830 | 1/1 | 0.94 | 0.12 | 71,71,71,71 | 0 |
| 55 | MG | 2a | 1647 | 1/1 | 0.94 | 0.27 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3255 | 1/1 | 0.94 | 0.22 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3832 | 1/1 | 0.94 | 0.98 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1706 | 1/1 | 0.94 | 0.20 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3561 | 1/1 | 0.94 | 0.58 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1657 | 1/1 | 0.94 | 0.67 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3836 | 1/1 | 0.94 | 0.13 | 79,79,79,79 | 0 |
| 55 | MG | 1A | 3285 | 1/1 | 0.94 | 0.20 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3839 | 1/1 | 0.94 | 0.09 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3663 | 1/1 | 0.94 | 0.12 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3843 | 1/1 | 0.94 | 0.10 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1713 | 1/1 | 0.94 | 0.15 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3847 | 1/1 | 0.94 | 0.12 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1714 | 1/1 | 0.94 | 0.06 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3664 | 1/1 | 0.94 | 0.21 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3854 | 1/1 | 0.94 | 0.18 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3843 | 1/1 | 0.94 | 0.91 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3269 | 1/1 | 0.94 | 0.39 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3665 | 1/1 | 0.94 | 0.43 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3570 | 1/1 | 0.94 | 0.51 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3551 | 1/1 | 0.94 | 0.21 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3848 | 1/1 | 0.94 | 0.17 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3864 | 1/1 | 0.94 | 0.42 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3576 | 1/1 | 0.94 | 0.22 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3853 | 1/1 | 0.94 | 0.07 | 47,47,47,47 | 0 |
| 55 | MG | 2a | 1679 | 1/1 | 0.94 | 0.67 | 27,27,27,27 | 0 |
| 55 | MG | 2a | 1680 | 1/1 | 0.94 | 0.13 | 82,82,82,82 | 0 |
| 55 | MG | 2A | 3274 | 1/1 | 0.94 | 1.04 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3277 | 1/1 | 0.94 | 0.46 | 39,39,39,39 | 0 |
| 55 | MG | 2a | 1683 | 1/1 | 0.94 | 0.76 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3869 | 1/1 | 0.94 | 0.09 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3436 | 1/1 | 0.94 | 0.15 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3288 | 1/1 | 0.94 | 0.38 | 7,7,7,7 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1688 | 1/1 | 0.94 | 0.29 | 71,71,71,71 | 0 |
| 55 | MG | 2A | 3589 | 1/1 | 0.94 | 0.47 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3873 | 1/1 | 0.94 | 0.16 | 80,80,80,80 | 0 |
| 55 | MG | 2A | 3284 | 1/1 | 0.94 | 0.08 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3286 | 1/1 | 0.94 | 0.13 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3876 | 1/1 | 0.94 | 0.27 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3169 | 1/1 | 0.94 | 0.28 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3557 | 1/1 | 0.94 | 0.95 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3108 | 1/1 | 0.94 | 0.94 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3883 | 1/1 | 0.94 | 0.23 | 71,71,71,71 | 0 |
| 55 | MG | 1V | 202 | 1/1 | 0.94 | 0.44 | 19,19,19,19 | 0 |
| 55 | MG | 1W | 3001 | 1/1 | 0.94 | 0.20 | 14,14,14,14 | 0 |
| 55 | MG | 1A | 3678 | 1/1 | 0.94 | 0.10 | 32,32,32,32 | 0 |
| 55 | MG | 1W | 3003 | 1/1 | 0.94 | 0.33 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3679 | 1/1 | 0.94 | 0.17 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3606 | 1/1 | 0.94 | 0.71 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3865 | 1/1 | 0.94 | 0.14 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3560 | 1/1 | 0.94 | 0.21 | 34,34,34,34 | 0 |
| 55 | MG | 1a | 1745 | 1/1 | 0.94 | 0.28 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3446 | 1/1 | 0.94 | 0.07 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3901 | 1/1 | 0.94 | 0.35 | 54,54,54,54 | 0 |
| 55 | MG | 2a | 1723 | 1/1 | 0.94 | 0.07 | 73,73,73,73 | 0 |
| 55 | MG | 1A | 3686 | 1/1 | 0.94 | 0.10 | 22,22,22,22 | 0 |
| 55 | MG | 2a | 1726 | 1/1 | 0.94 | 0.51 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3906 | 1/1 | 0.94 | 0.28 | 79,79,79,79 | 0 |
| 55 | MG | 10 | 104 | 1/1 | 0.94 | 0.07 | 34,34,34,34 | 0 |
| 55 | MG | 2a | 1730 | 1/1 | 0.94 | 0.16 | 81,81,81,81 | 0 |
| 55 | MG | 1A | 3294 | 1/1 | 0.94 | 0.13 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3909 | 1/1 | 0.94 | 0.06 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3563 | 1/1 | 0.94 | 0.47 | 28,28,28,28 | 0 |
| 55 | MG | 11 | 104 | 1/1 | 0.94 | 0.18 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3063 | 1/1 | 0.94 | 0.19 | 41,41,41,41 | 0 |
| 55 | MG | 15 | 101 | 1/1 | 0.94 | 0.76 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3695 | 1/1 | 0.94 | 0.13 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3071 | 1/1 | 0.94 | 0.27 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3918 | 1/1 | 0.94 | 0.26 | 70,70,70,70 | 0 |
| 55 | MG | 15 | 103 | 1/1 | 0.94 | 0.18 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3074 | 1/1 | 0.94 | 0.44 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3698 | 1/1 | 0.94 | 0.12 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3139 | 1/1 | 0.94 | 0.36 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3700 | 1/1 | 0.94 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3343 | 1/1 | 0.94 | 0.15 | 39,39,39,39 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3925 | 1/1 | 0.94 | 0.50 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3702 | 1/1 | 0.94 | 0.14 | 43,43,43,43 | 0 |
| 55 | MG | 18 | 3303 | 1/1 | 0.94 | 0.07 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3638 | 1/1 | 0.94 | 0.07 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3055 | 1/1 | 0.94 | 0.24 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3933 | 1/1 | 0.94 | 0.19 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3935 | 1/1 | 0.94 | 0.44 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3936 | 1/1 | 0.94 | 0.21 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3092 | 1/1 | 0.94 | 0.38 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3356 | 1/1 | 0.94 | 0.14 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3141 | 1/1 | 0.94 | 0.12 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3365 | 1/1 | 0.94 | 0.18 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3710 | 1/1 | 0.94 | 0.15 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3645 | 1/1 | 0.94 | 0.28 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1769 | 1/1 | 0.94 | 0.40 | 83,83,83,83 | 0 |
| 55 | MG | 2a | 1770 | 1/1 | 0.94 | 0.13 | 72,72,72,72 | 0 |
| 55 | MG | 1a | 1769 | 1/1 | 0.94 | 0.27 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3891 | 1/1 | 0.94 | 0.21 | 34,34,34,34 | 0 |
| 55 | MG | 2a | 1773 | 1/1 | 0.94 | 0.18 | 84,84,84,84 | 0 |
| 55 | MG | 2A | 3101 | 1/1 | 0.94 | 0.45 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3112 | 1/1 | 0.94 | 0.35 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3652 | 1/1 | 0.94 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3115 | 1/1 | 0.94 | 0.14 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3464 | 1/1 | 0.94 | 0.12 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3381 | 1/1 | 0.94 | 0.34 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3957 | 1/1 | 0.94 | 0.11 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3118 | 1/1 | 0.94 | 0.09 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3583 | 1/1 | 0.94 | 0.16 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3389 | 1/1 | 0.94 | 0.18 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3962 | 1/1 | 0.94 | 0.33 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3963 | 1/1 | 0.94 | 0.18 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3075 | 1/1 | 0.94 | 0.57 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3965 | 1/1 | 0.94 | 0.51 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3720 | 1/1 | 0.94 | 0.14 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3113 | 1/1 | 0.94 | 0.17 | 35,35,35,35 | 0 |
| 55 | MG | 2a | 1791 | 1/1 | 0.94 | 0.09 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3968 | 1/1 | 0.94 | 1.08 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3668 | 1/1 | 0.94 | 0.34 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3188 | 1/1 | 0.94 | 0.24 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3328 | 1/1 | 0.94 | 0.12 | 45,45,45,45 | 0 |
| 55 | MG | 2a | 1798 | 1/1 | 0.94 | 0.11 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1616 | 1/1 | 0.94 | 0.54 | 75,75,75,75 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3329 | 1/1 | 0.94 | 0.08 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3674 | 1/1 | 0.94 | 0.24 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3725 | 1/1 | 0.94 | 0.19 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3403 | 1/1 | 0.94 | 0.11 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3121 | 1/1 | 0.94 | 0.16 | 60,60,60,60 | 0 |
| 55 | MG | 2a | 1805 | 1/1 | 0.94 | 0.30 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3122 | 1/1 | 0.94 | 0.07 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3092 | 1/1 | 0.94 | 0.21 | 11,11,11,11 | 0 |
| 55 | MG | 2B | 3013 | 1/1 | 0.94 | 0.07 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3065 | 1/1 | 0.94 | 0.35 | 11,11,11,11 | 0 |
| 55 | MG | 1a | 1623 | 1/1 | 0.94 | 0.13 | 63,63,63,63 | 0 |
| 55 | MG | 1a | 1624 | 1/1 | 0.94 | 0.44 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1814 | 1/1 | 0.94 | 0.05 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3131 | 1/1 | 0.94 | 0.14 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3125 | 1/1 | 0.94 | 0.76 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3482 | 1/1 | 0.94 | 0.18 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3484 | 1/1 | 0.94 | 0.18 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3425 | 1/1 | 0.94 | 0.07 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3691 | 1/1 | 0.94 | 0.10 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3921 | 1/1 | 0.94 | 0.19 | 35,35,35,35 | 0 |
| 55 | MG | 1a | 1796 | 1/1 | 0.94 | 0.17 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3437 | 1/1 | 0.94 | 0.10 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3145 | 1/1 | 0.94 | 0.12 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3923 | 1/1 | 0.94 | 0.11 | 26,26,26,26 | 0 |
| 55 | MG | 2D | 309 | 1/1 | 0.94 | 0.70 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3929 | 1/1 | 0.94 | 0.18 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3444 | 1/1 | 0.94 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3344 | 1/1 | 0.94 | 0.10 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3448 | 1/1 | 0.94 | 0.09 | 41,41,41,41 | 0 |
| 55 | MG | 2d | 503 | 1/1 | 0.94 | 0.34 | 77,77,77,77 | 0 |
| 55 | MG | 1a | 1802 | 1/1 | 0.94 | 0.07 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3734 | 1/1 | 0.94 | 0.07 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3454 | 1/1 | 0.94 | 0.12 | 38,38,38,38 | 0 |
| 55 | MG | 2E | 301 | 1/1 | 0.94 | 0.18 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3349 | 1/1 | 0.94 | 0.12 | 31,31,31,31 | 0 |
| 55 | MG | 2E | 303 | 1/1 | 0.94 | 1.14 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3742 | 1/1 | 0.94 | 0.07 | 77,77,77,77 | 0 |
| 55 | MG | 1A | 3489 | 1/1 | 0.94 | 0.14 | 23,23,23,23 | 0 |
| 55 | MG | 1a | 1808 | 1/1 | 0.94 | 0.18 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3150 | 1/1 | 0.94 | 0.12 | 41,41,41,41 | 0 |
| 55 | MG | 2F | 309 | 1/1 | 0.94 | 0.74 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3747 | 1/1 | 0.94 | 0.20 | 27,27,27,27 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3748 | 1/1 | 0.94 | 0.13 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1815 | 1/1 | 0.94 | 0.09 | 93,93,93,93 | 0 |
| 55 | MG | 1a | 1818 | 1/1 | 0.94 | 0.14 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3955 | 1/1 | 0.94 | 0.19 | 19,19,19,19 | 0 |
| 56 | ZN | 2n | 101 | 1/1 | 0.94 | 0.07 | 96,96,96,96 | 0 |
| 55 | MG | 1A | 3559 | 1/1 | 0.95 | 0.52 | 15,15,15,15 | 0 |
| 55 | MG | 1A | 3124 | 1/1 | 0.95 | 0.44 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3215 | 1/1 | 0.95 | 0.35 | 23,23,23,23 | 0 |
| 55 | MG | 2T | 201 | 1/1 | 0.95 | 0.14 | 21,21,21,21 | 0 |
| 55 | MG | 2T | 203 | 1/1 | 0.95 | 0.76 | 59,59,59,59 | 0 |
| 55 | MG | 1a | 1654 | 1/1 | 0.95 | 0.39 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3792 | 1/1 | 0.95 | 0.18 | 25,25,25,25 | 0 |
| 55 | MG | 1B | 222 | 1/1 | 0.95 | 0.10 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3217 | 1/1 | 0.95 | 0.16 | 62,62,62,62 | 0 |
| 55 | MG | 1A | 3479 | 1/1 | 0.95 | 0.09 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3218 | 1/1 | 0.95 | 0.24 | 46,46,46,46 | 0 |
| 55 | MG | 2V | 205 | 1/1 | 0.95 | 0.13 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3016 | 1/1 | 0.95 | 0.73 | 15,15,15,15 | 0 |
| 55 | MG | 1A | 3801 | 1/1 | 0.95 | 0.07 | 83,83,83,83 | 0 |
| 55 | MG | 1A | 3567 | 1/1 | 0.95 | 0.17 | 12,12,12,12 | 0 |
| 55 | MG | 1a | 1664 | 1/1 | 0.95 | 0.31 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3675 | 1/1 | 0.95 | 0.25 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3049 | 1/1 | 0.95 | 0.26 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3050 | 1/1 | 0.95 | 0.47 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3767 | 1/1 | 0.95 | 0.10 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3006 | 1/1 | 0.95 | 0.16 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3279 | 1/1 | 0.95 | 0.16 | 70,70,70,70 | 0 |
| 55 | MG | 2A | 3770 | 1/1 | 0.95 | 0.20 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3681 | 1/1 | 0.95 | 0.13 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3825 | 1/1 | 0.95 | 0.05 | 18,18,18,18 | 0 |
| 55 | MG | 25 | 104 | 1/1 | 0.95 | 0.95 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3052 | 1/1 | 0.95 | 0.61 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3828 | 1/1 | 0.95 | 0.12 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3778 | 1/1 | 0.95 | 0.07 | 63,63,63,63 | 0 |
| 55 | MG | 29 | 102 | 1/1 | 0.95 | 1.40 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3516 | 1/1 | 0.95 | 0.05 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3517 | 1/1 | 0.95 | 0.16 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3518 | 1/1 | 0.95 | 0.14 | 58,58,58,58 | 0 |
| 55 | MG | 2a | 1604 | 1/1 | 0.95 | 0.14 | 81,81,81,81 | 0 |
| 55 | MG | 1A | 3830 | 1/1 | 0.95 | 0.81 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3520 | 1/1 | 0.95 | 0.13 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3785 | 1/1 | 0.95 | 0.16 | 71,71,71,71 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3786 | 1/1 | 0.95 | 0.31 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3220 | 1/1 | 0.95 | 0.20 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3832 | 1/1 | 0.95 | 0.22 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3131 | 1/1 | 0.95 | 0.30 | 19,19,19,19 | 0 |
| 55 | MG | 1a | 1678 | 1/1 | 0.95 | 0.05 | 46,46,46,46 | 0 |
| 55 | MG | 1E | 304 | 1/1 | 0.95 | 0.13 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3798 | 1/1 | 0.95 | 0.18 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3838 | 1/1 | 0.95 | 0.22 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3287 | 1/1 | 0.95 | 0.07 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3801 | 1/1 | 0.95 | 0.13 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3802 | 1/1 | 0.95 | 0.07 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3005 | 1/1 | 0.95 | 0.24 | 37,37,37,37 | 0 |
| 55 | MG | 2a | 1622 | 1/1 | 0.95 | 0.27 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3391 | 1/1 | 0.95 | 0.24 | 30,30,30,30 | 0 |
| 55 | MG | 1a | 1683 | 1/1 | 0.95 | 0.22 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3809 | 1/1 | 0.95 | 0.08 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3844 | 1/1 | 0.95 | 0.06 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3242 | 1/1 | 0.95 | 0.22 | 32,32,32,32 | 0 |
| 55 | MG | 1F | 305 | 1/1 | 0.95 | 0.67 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3845 | 1/1 | 0.95 | 0.15 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3019 | 1/1 | 0.95 | 0.40 | 15,15,15,15 | 0 |
| 55 | MG | 1A | 3396 | 1/1 | 0.95 | 0.23 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3540 | 1/1 | 0.95 | 0.13 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1633 | 1/1 | 0.95 | 0.13 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3696 | 1/1 | 0.95 | 0.13 | 50,50,50,50 | 0 |
| 55 | MG | 1F | 312 | 1/1 | 0.95 | 0.73 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3697 | 1/1 | 0.95 | 0.32 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3499 | 1/1 | 0.95 | 0.07 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1638 | 1/1 | 0.95 | 0.29 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3546 | 1/1 | 0.95 | 0.13 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1701 | 1/1 | 0.95 | 0.07 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3590 | 1/1 | 0.95 | 0.10 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3084 | 1/1 | 0.95 | 0.08 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3552 | 1/1 | 0.95 | 0.75 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3185 | 1/1 | 0.95 | 0.37 | 25,25,25,25 | 0 |
| 55 | MG | 1H | 201 | 1/1 | 0.95 | 0.20 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3861 | 1/1 | 0.95 | 0.20 | 63,63,63,63 | 0 |
| 55 | MG | 2a | 1648 | 1/1 | 0.95 | 0.23 | 42,42,42,42 | 0 |
| 55 | MG | 2a | 1649 | 1/1 | 0.95 | 0.13 | 65,65,65,65 | 0 |
| 55 | MG | 1N | 203 | 1/1 | 0.95 | 0.48 | 55,55,55,55 | 0 |
| 55 | MG | 1N | 204 | 1/1 | 0.95 | 0.25 | 73,73,73,73 | 0 |
| 55 | MG | 1A | 3187 | 1/1 | 0.95 | 0.30 | 28,28,28,28 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3263 | 1/1 | 0.95 | 0.12 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1656 | 1/1 | 0.95 | 0.18 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3155 | 1/1 | 0.95 | 0.29 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3189 | 1/1 | 0.95 | 0.94 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3848 | 1/1 | 0.95 | 0.16 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3711 | 1/1 | 0.95 | 0.08 | 21,21,21,21 | 0 |
| 55 | MG | 1a | 1718 | 1/1 | 0.95 | 0.08 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3414 | 1/1 | 0.95 | 0.09 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3311 | 1/1 | 0.95 | 0.20 | 11,11,11,11 | 0 |
| 55 | MG | 2A | 3041 | 1/1 | 0.95 | 0.11 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1722 | 1/1 | 0.95 | 0.08 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3043 | 1/1 | 0.95 | 0.52 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3869 | 1/1 | 0.95 | 0.30 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3283 | 1/1 | 0.95 | 0.16 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3863 | 1/1 | 0.95 | 0.12 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3417 | 1/1 | 0.95 | 0.11 | 32,32,32,32 | 0 |
| 55 | MG | 1a | 1727 | 1/1 | 0.95 | 0.13 | 77,77,77,77 | 0 |
| 55 | MG | 2A | 3289 | 1/1 | 0.95 | 0.14 | 64,64,64,64 | 0 |
| 55 | MG | 2A | 3291 | 1/1 | 0.95 | 0.10 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3293 | 1/1 | 0.95 | 0.23 | 7,7,7,7 | 0 |
| 55 | MG | 1A | 3001 | 1/1 | 0.95 | 0.11 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3422 | 1/1 | 0.95 | 0.15 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3296 | 1/1 | 0.95 | 0.23 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3608 | 1/1 | 0.95 | 0.06 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1733 | 1/1 | 0.95 | 0.35 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3086 | 1/1 | 0.95 | 0.48 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3056 | 1/1 | 0.95 | 0.09 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3192 | 1/1 | 0.95 | 0.52 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3877 | 1/1 | 0.95 | 0.10 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3878 | 1/1 | 0.95 | 0.51 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3879 | 1/1 | 0.95 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3058 | 1/1 | 0.95 | 0.09 | 59,59,59,59 | 0 |
| 55 | MG | 1a | 1738 | 1/1 | 0.95 | 0.21 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3247 | 1/1 | 0.95 | 0.25 | 41,41,41,41 | 0 |
| 55 | MG | 2a | 1696 | 1/1 | 0.95 | 0.10 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3597 | 1/1 | 0.95 | 0.16 | 52,52,52,52 | 0 |
| 55 | MG | 2a | 1698 | 1/1 | 0.95 | 0.06 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3598 | 1/1 | 0.95 | 0.49 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3880 | 1/1 | 0.95 | 0.23 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3886 | 1/1 | 0.95 | 0.17 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3601 | 1/1 | 0.95 | 0.13 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3160 | 1/1 | 0.95 | 0.90 | 23,23,23,23 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2a | 1704 | 1/1 | 0.95 | 0.21 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3604 | 1/1 | 0.95 | 0.15 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3439 | 1/1 | 0.95 | 0.05 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1708 | 1/1 | 0.95 | 0.13 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3440 | 1/1 | 0.95 | 0.09 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3607 | 1/1 | 0.95 | 0.09 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3895 | 1/1 | 0.95 | 0.17 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1716 | 1/1 | 0.95 | 0.08 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3321 | 1/1 | 0.95 | 0.20 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3609 | 1/1 | 0.95 | 0.20 | 64,64,64,64 | 0 |
| 55 | MG | 10 | 106 | 1/1 | 0.95 | 0.20 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3902 | 1/1 | 0.95 | 0.22 | 87,87,87,87 | 0 |
| 55 | MG | 1A | 3884 | 1/1 | 0.95 | 0.14 | 76,76,76,76 | 0 |
| 55 | MG | 1A | 3886 | 1/1 | 0.95 | 0.08 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1747 | 1/1 | 0.95 | 0.20 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3328 | 1/1 | 0.95 | 0.24 | 39,39,39,39 | 0 |
| 55 | MG | 11 | 103 | 1/1 | 0.95 | 0.14 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3523 | 1/1 | 0.95 | 0.13 | 12,12,12,12 | 0 |
| 55 | MG | 1A | 3619 | 1/1 | 0.95 | 0.17 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3080 | 1/1 | 0.95 | 0.23 | 55,55,55,55 | 0 |
| 55 | MG | 2a | 1731 | 1/1 | 0.95 | 0.10 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3622 | 1/1 | 0.95 | 0.15 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3620 | 1/1 | 0.95 | 0.12 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3082 | 1/1 | 0.95 | 0.17 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3527 | 1/1 | 0.95 | 0.16 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1737 | 1/1 | 0.95 | 0.17 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3337 | 1/1 | 0.95 | 0.14 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3627 | 1/1 | 0.95 | 0.20 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3339 | 1/1 | 0.95 | 0.09 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3341 | 1/1 | 0.95 | 0.40 | 32,32,32,32 | 0 |
| 55 | MG | 2a | 1743 | 1/1 | 0.95 | 0.13 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3442 | 1/1 | 0.95 | 0.14 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3089 | 1/1 | 0.95 | 0.54 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3633 | 1/1 | 0.95 | 0.14 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3735 | 1/1 | 0.95 | 0.20 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3736 | 1/1 | 0.95 | 0.18 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3738 | 1/1 | 0.95 | 0.12 | 19,19,19,19 | 0 |
| 55 | MG | 2a | 1750 | 1/1 | 0.95 | 0.12 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3096 | 1/1 | 0.95 | 0.16 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3624 | 1/1 | 0.95 | 0.20 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3625 | 1/1 | 0.95 | 0.11 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3361 | 1/1 | 0.95 | 0.10 | 26,26,26,26 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3323 | 1/1 | 0.95 | 0.14 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3368 | 1/1 | 0.95 | 0.24 | 51,51,51,51 | 0 |
| 55 | MG | 1a | 1761 | 1/1 | 0.95 | 0.17 | 72,72,72,72 | 0 |
| 55 | MG | 2A | 3940 | 1/1 | 0.95 | 0.10 | 48,48,48,48 | 0 |
| 55 | MG | 1a | 1762 | 1/1 | 0.95 | 0.13 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3373 | 1/1 | 0.95 | 0.10 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3627 | 1/1 | 0.95 | 0.11 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3104 | 1/1 | 0.95 | 0.17 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3535 | 1/1 | 0.95 | 0.14 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3632 | 1/1 | 0.95 | 0.26 | 16,16,16,16 | 0 |
| 55 | MG | 1a | 1604 | 1/1 | 0.95 | 0.18 | 73,73,73,73 | 0 |
| 55 | MG | 1a | 1605 | 1/1 | 0.95 | 0.12 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3952 | 1/1 | 0.95 | 0.13 | 27,27,27,27 | 0 |
| 55 | MG | 1a | 1606 | 1/1 | 0.95 | 0.15 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3386 | 1/1 | 0.95 | 0.08 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3022 | 1/1 | 0.95 | 0.34 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3915 | 1/1 | 0.95 | 0.19 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3057 | 1/1 | 0.95 | 0.26 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3013 | 1/1 | 0.95 | 0.17 | 17,17,17,17 | 0 |
| 55 | MG | 2a | 1777 | 1/1 | 0.95 | 0.28 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3960 | 1/1 | 0.95 | 0.36 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3753 | 1/1 | 0.95 | 0.35 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3165 | 1/1 | 0.95 | 0.69 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3755 | 1/1 | 0.95 | 0.10 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3927 | 1/1 | 0.95 | 0.14 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3541 | 1/1 | 0.95 | 0.08 | 41,41,41,41 | 0 |
| 55 | MG | 1a | 1617 | 1/1 | 0.95 | 0.19 | 93,93,93,93 | 0 |
| 55 | MG | 1a | 1781 | 1/1 | 0.95 | 0.21 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3758 | 1/1 | 0.95 | 0.20 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3759 | 1/1 | 0.95 | 0.08 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3939 | 1/1 | 0.95 | 0.21 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3678 | 1/1 | 0.95 | 0.23 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3333 | 1/1 | 0.95 | 0.14 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3412 | 1/1 | 0.95 | 0.37 | 68,68,68,68 | 0 |
| 55 | MG | 2a | 1792 | 1/1 | 0.95 | 0.14 | 56,56,56,56 | 0 |
| 55 | MG | 1a | 1622 | 1/1 | 0.95 | 0.25 | 59,59,59,59 | 0 |
| 55 | MG | 2A | 3138 | 1/1 | 0.95 | 0.28 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3943 | 1/1 | 0.95 | 0.93 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3418 | 1/1 | 0.95 | 0.04 | 60,60,60,60 | 0 |
| 55 | MG | 2a | 1797 | 1/1 | 0.95 | 0.10 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3643 | 1/1 | 0.95 | 0.21 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3143 | 1/1 | 0.95 | 0.52 | 42,42,42,42 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3203 | 1/1 | 0.95 | 0.17 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3546 | 1/1 | 0.95 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3147 | 1/1 | 0.95 | 0.42 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3148 | 1/1 | 0.95 | 0.48 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3949 | 1/1 | 0.95 | 0.56 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3438 | 1/1 | 0.95 | 0.16 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3547 | 1/1 | 0.95 | 0.11 | 29,29,29,29 | 0 |
| 55 | MG | 2B | 3020 | 1/1 | 0.95 | 0.07 | 58,58,58,58 | 0 |
| 55 | MG | 1A | 3339 | 1/1 | 0.95 | 0.14 | 13,13,13,13 | 0 |
| 55 | MG | 1a | 1631 | 1/1 | 0.95 | 0.08 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3442 | 1/1 | 0.95 | 0.15 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3953 | 1/1 | 0.95 | 0.63 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3154 | 1/1 | 0.95 | 0.22 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1815 | 1/1 | 0.95 | 0.09 | 75,75,75,75 | 0 |
| 55 | MG | 1a | 1633 | 1/1 | 0.95 | 0.12 | 34,34,34,34 | 0 |
| 55 | MG | 2a | 1822 | 1/1 | 0.95 | 0.39 | 51,51,51,51 | 0 |
| 55 | MG | 2D | 305 | 1/1 | 0.95 | 0.46 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1826 | 1/1 | 0.95 | 0.25 | 85,85,85,85 | 0 |
| 55 | MG | 1A | 3954 | 1/1 | 0.95 | 0.33 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3707 | 1/1 | 0.95 | 0.11 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3450 | 1/1 | 0.95 | 0.56 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3451 | 1/1 | 0.95 | 0.17 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3549 | 1/1 | 0.95 | 0.19 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1833 | 1/1 | 0.95 | 0.07 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3259 | 1/1 | 0.95 | 0.14 | 17,17,17,17 | 0 |
| 55 | MG | 1a | 1637 | 1/1 | 0.95 | 1.17 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3776 | 1/1 | 0.95 | 0.08 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3343 | 1/1 | 0.95 | 0.06 | 12,12,12,12 | 0 |
| 55 | MG | 1A | 3093 | 1/1 | 0.95 | 0.24 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3460 | 1/1 | 0.95 | 0.14 | 25,25,25,25 | 0 |
| 55 | MG | 1a | 1811 | 1/1 | 0.95 | 0.11 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3347 | 1/1 | 0.95 | 0.18 | 13,13,13,13 | 0 |
| 55 | MG | 2A | 3725 | 1/1 | 0.95 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 1a | 1814 | 1/1 | 0.95 | 0.10 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3468 | 1/1 | 0.95 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 2F | 303 | 1/1 | 0.95 | 0.88 | 40,40,40,40 | 0 |
| 55 | MG | 2f | 8001 | 1/1 | 0.95 | 0.12 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3728 | 1/1 | 0.95 | 0.12 | 37,37,37,37 | 0 |
| 55 | MG | 1B | 206 | 1/1 | 0.95 | 0.14 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3470 | 1/1 | 0.95 | 0.14 | 26,26,26,26 | 0 |
| 55 | MG | 1a | 1645 | 1/1 | 0.95 | 0.29 | 64,64,64,64 | 0 |
| 55 | MG | 1a | 1819 | 1/1 | 0.95 | 0.06 | 52,52,52,52 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1B | 207 | 1/1 | 0.95 | 0.39 | 41,41,41,41 | 0 |
| 55 | MG | 1a | 1825 | 1/1 | 0.95 | 0.13 | 71,71,71,71 | 0 |
| 55 | MG | 1A | 3211 | 1/1 | 0.95 | 0.47 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3736 | 1/1 | 0.95 | 0.08 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3481 | 1/1 | 0.95 | 0.86 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3470 | 1/1 | 0.95 | 0.17 | 20,20,20,20 | 0 |
| 55 | MG | 1a | 1829 | 1/1 | 0.95 | 0.07 | 84,84,84,84 | 0 |
| 55 | MG | 1A | 3003 | 1/1 | 0.95 | 0.11 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3485 | 1/1 | 0.95 | 0.17 | 60,60,60,60 | 0 |
| 55 | MG | 1B | 212 | 1/1 | 0.95 | 0.05 | 59,59,59,59 | 0 |
| 55 | MG | 1a | 1842 | 1/1 | 0.96 | 0.11 | 56,56,56,56 | 0 |
| 55 | MG | 1T | 202 | 1/1 | 0.96 | 0.50 | 60,60,60,60 | 0 |
| 55 | MG | 2A | 3166 | 1/1 | 0.96 | 0.40 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3324 | 1/1 | 0.96 | 0.06 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3897 | 1/1 | 0.96 | 0.12 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3398 | 1/1 | 0.96 | 0.18 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3571 | 1/1 | 0.96 | 0.09 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3011 | 1/1 | 0.96 | 0.13 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3327 | 1/1 | 0.96 | 0.14 | 23,23,23,23 | 0 |
| 55 | MG | 1a | 1693 | 1/1 | 0.96 | 0.24 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3667 | 1/1 | 0.96 | 0.09 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3409 | 1/1 | 0.96 | 0.17 | 46,46,46,46 | 0 |
| 55 | MG | 1a | 1695 | 1/1 | 0.96 | 0.14 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3411 | 1/1 | 0.96 | 0.20 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3632 | 1/1 | 0.96 | 0.07 | 74,74,74,74 | 0 |
| 55 | MG | 1a | 1696 | 1/1 | 0.96 | 0.29 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3577 | 1/1 | 0.96 | 0.16 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3764 | 1/1 | 0.96 | 0.05 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3202 | 1/1 | 0.96 | 0.63 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3907 | 1/1 | 0.96 | 0.80 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3183 | 1/1 | 0.96 | 0.16 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3420 | 1/1 | 0.96 | 0.09 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3908 | 1/1 | 0.96 | 0.34 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3185 | 1/1 | 0.96 | 0.47 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3767 | 1/1 | 0.96 | 0.06 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3428 | 1/1 | 0.96 | 0.35 | 62,62,62,62 | 0 |
| 55 | MG | 10 | 101 | 1/1 | 0.96 | 0.13 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3647 | 1/1 | 0.96 | 0.87 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3768 | 1/1 | 0.96 | 0.12 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3436 | 1/1 | 0.96 | 0.07 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3670 | 1/1 | 0.96 | 0.45 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3183 | 1/1 | 0.96 | 0.51 | 39,39,39,39 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3502 | 1/1 | 0.96 | 0.30 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3653 | 1/1 | 0.96 | 0.37 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3654 | 1/1 | 0.96 | 0.28 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3896 | 1/1 | 0.96 | 0.29 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3775 | 1/1 | 0.96 | 0.14 | 52,52,52,52 | 0 |
| 55 | MG | 11 | 101 | 1/1 | 0.96 | 0.14 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3418 | 1/1 | 0.96 | 0.09 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3443 | 1/1 | 0.96 | 0.07 | 25,25,25,25 | 0 |
| 55 | MG | 1a | 1719 | 1/1 | 0.96 | 0.05 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3238 | 1/1 | 0.96 | 0.24 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3662 | 1/1 | 0.96 | 0.18 | 46,46,46,46 | 0 |
| 55 | MG | 2a | 1667 | 1/1 | 0.96 | 0.39 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3420 | 1/1 | 0.96 | 0.09 | 48,48,48,48 | 0 |
| 55 | MG | 13 | 101 | 1/1 | 0.96 | 0.19 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3779 | 1/1 | 0.96 | 0.15 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3922 | 1/1 | 0.96 | 0.12 | 31,31,31,31 | 0 |
| 55 | MG | 1a | 1725 | 1/1 | 0.96 | 0.23 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3332 | 1/1 | 0.96 | 0.16 | 53,53,53,53 | 0 |
| 55 | MG | 2a | 1674 | 1/1 | 0.96 | 0.22 | 31,31,31,31 | 0 |
| 55 | MG | 1a | 1728 | 1/1 | 0.96 | 0.08 | 69,69,69,69 | 0 |
| 55 | MG | 1a | 1729 | 1/1 | 0.96 | 0.47 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3211 | 1/1 | 0.96 | 0.42 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3023 | 1/1 | 0.96 | 0.69 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3925 | 1/1 | 0.96 | 0.35 | 26,26,26,26 | 0 |
| 55 | MG | 15 | 105 | 1/1 | 0.96 | 0.56 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3217 | 1/1 | 0.96 | 0.48 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3507 | 1/1 | 0.96 | 0.18 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3204 | 1/1 | 0.96 | 0.18 | 31,31,31,31 | 0 |
| 55 | MG | 17 | 102 | 1/1 | 0.96 | 0.16 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3928 | 1/1 | 0.96 | 0.10 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3931 | 1/1 | 0.96 | 0.10 | 32,32,32,32 | 0 |
| 55 | MG | 2a | 1687 | 1/1 | 0.96 | 0.18 | 67,67,67,67 | 0 |
| 55 | MG | 1a | 1737 | 1/1 | 0.96 | 0.10 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3932 | 1/1 | 0.96 | 0.64 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3510 | 1/1 | 0.96 | 0.04 | 57,57,57,57 | 0 |
| 55 | MG | 2a | 1691 | 1/1 | 0.96 | 0.30 | 59,59,59,59 | 0 |
| 55 | MG | 2a | 1692 | 1/1 | 0.96 | 0.14 | 61,61,61,61 | 0 |
| 55 | MG | 2a | 1693 | 1/1 | 0.96 | 0.29 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3935 | 1/1 | 0.96 | 0.72 | 20,20,20,20 | 0 |
| 55 | MG | 2a | 1695 | 1/1 | 0.96 | 0.06 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3688 | 1/1 | 0.96 | 0.18 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3476 | 1/1 | 0.96 | 0.14 | 56,56,56,56 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 19 | 102 | 1/1 | 0.96 | 0.24 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3937 | 1/1 | 0.96 | 0.41 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3683 | 1/1 | 0.96 | 0.06 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3236 | 1/1 | 0.96 | 0.07 | 91,91,91,91 | 0 |
| 55 | MG | 2A | 3695 | 1/1 | 0.96 | 0.21 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3428 | 1/1 | 0.96 | 0.10 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3697 | 1/1 | 0.96 | 0.28 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3787 | 1/1 | 0.96 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3431 | 1/1 | 0.96 | 0.10 | 14,14,14,14 | 0 |
| 55 | MG | 2a | 1707 | 1/1 | 0.96 | 0.07 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3944 | 1/1 | 0.96 | 0.75 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3014 | 1/1 | 0.96 | 0.18 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3690 | 1/1 | 0.96 | 0.54 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3336 | 1/1 | 0.96 | 0.12 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3948 | 1/1 | 0.96 | 0.56 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3272 | 1/1 | 0.96 | 0.77 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3438 | 1/1 | 0.96 | 0.06 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3604 | 1/1 | 0.96 | 0.09 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3054 | 1/1 | 0.96 | 0.17 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3802 | 1/1 | 0.96 | 0.12 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3241 | 1/1 | 0.96 | 0.82 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3606 | 1/1 | 0.96 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3811 | 1/1 | 0.96 | 0.07 | 13,13,13,13 | 0 |
| 55 | MG | 2A | 3505 | 1/1 | 0.96 | 0.16 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3029 | 1/1 | 0.96 | 0.10 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3813 | 1/1 | 0.96 | 0.15 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3276 | 1/1 | 0.96 | 0.10 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3722 | 1/1 | 0.96 | 0.18 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3701 | 1/1 | 0.96 | 0.07 | 33,33,33,33 | 0 |
| 55 | MG | 2a | 1733 | 1/1 | 0.96 | 0.42 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3724 | 1/1 | 0.96 | 0.05 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3816 | 1/1 | 0.96 | 0.22 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3186 | 1/1 | 0.96 | 0.65 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3703 | 1/1 | 0.96 | 0.08 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3704 | 1/1 | 0.96 | 0.07 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3514 | 1/1 | 0.96 | 0.16 | 59,59,59,59 | 0 |
| 55 | MG | 1B | 210 | 1/1 | 0.96 | 0.51 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3056 | 1/1 | 0.96 | 0.13 | 50,50,50,50 | 0 |
| 55 | MG | 2a | 1742 | 1/1 | 0.96 | 0.17 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3708 | 1/1 | 0.96 | 0.05 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3276 | 1/1 | 0.96 | 0.47 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3357 | 1/1 | 0.96 | 0.31 | 40,40,40,40 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3284 | 1/1 | 0.96 | 0.32 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3833 | 1/1 | 0.96 | 0.15 | 17,17,17,17 | 0 |
| 55 | MG | 2A | 3737 | 1/1 | 0.96 | 0.08 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3448 | 1/1 | 0.96 | 0.17 | 41,41,41,41 | 0 |
| 55 | MG | 1B | 221 | 1/1 | 0.96 | 0.07 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3285 | 1/1 | 0.96 | 0.10 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3359 | 1/1 | 0.96 | 0.12 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3288 | 1/1 | 0.96 | 0.12 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3714 | 1/1 | 0.96 | 0.15 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3360 | 1/1 | 0.96 | 0.12 | 16,16,16,16 | 0 |
| 55 | MG | 2A | 3089 | 1/1 | 0.96 | 0.39 | 49,49,49,49 | 0 |
| 55 | MG | 1a | 1638 | 1/1 | 0.96 | 0.20 | 30,30,30,30 | 0 |
| 55 | MG | 2a | 1758 | 1/1 | 0.96 | 0.12 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3618 | 1/1 | 0.96 | 0.50 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3454 | 1/1 | 0.96 | 0.14 | 9,9,9,9 | 0 |
| 55 | MG | 2A | 3094 | 1/1 | 0.96 | 0.94 | 42,42,42,42 | 0 |
| 55 | MG | 2D | 306 | 1/1 | 0.96 | 0.44 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3536 | 1/1 | 0.96 | 0.30 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3095 | 1/1 | 0.96 | 0.18 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3361 | 1/1 | 0.96 | 0.12 | 35,35,35,35 | 0 |
| 55 | MG | 2D | 310 | 1/1 | 0.96 | 0.27 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1768 | 1/1 | 0.96 | 0.22 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3245 | 1/1 | 0.96 | 0.09 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3246 | 1/1 | 0.96 | 0.32 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3306 | 1/1 | 0.96 | 0.14 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3762 | 1/1 | 0.96 | 0.15 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3849 | 1/1 | 0.96 | 0.08 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3098 | 1/1 | 0.96 | 0.50 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3854 | 1/1 | 0.96 | 0.25 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3545 | 1/1 | 0.96 | 0.19 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3248 | 1/1 | 0.96 | 0.33 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1793 | 1/1 | 0.96 | 0.16 | 77,77,77,77 | 0 |
| 55 | MG | 1D | 310 | 1/1 | 0.96 | 0.28 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3462 | 1/1 | 0.96 | 0.25 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3291 | 1/1 | 0.96 | 0.19 | 45,45,45,45 | 0 |
| 55 | MG | 2F | 302 | 1/1 | 0.96 | 0.38 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3216 | 1/1 | 0.96 | 0.34 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3111 | 1/1 | 0.96 | 0.50 | 44,44,44,44 | 0 |
| 55 | MG | 2F | 306 | 1/1 | 0.96 | 0.48 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3251 | 1/1 | 0.96 | 0.69 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3171 | 1/1 | 0.96 | 0.29 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3067 | 1/1 | 0.96 | 0.27 | 27,27,27,27 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3115 | 1/1 | 0.96 | 0.30 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3308 | 1/1 | 0.96 | 0.13 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3117 | 1/1 | 0.96 | 0.04 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3637 | 1/1 | 0.96 | 0.12 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3101 | 1/1 | 0.96 | 0.40 | 24,24,24,24 | 0 |
| 55 | MG | 2N | 201 | 1/1 | 0.96 | 0.20 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3555 | 1/1 | 0.96 | 0.14 | 27,27,27,27 | 0 |
| 55 | MG | 1F | 303 | 1/1 | 0.96 | 0.45 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3737 | 1/1 | 0.96 | 0.07 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3790 | 1/1 | 0.96 | 0.09 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3478 | 1/1 | 0.96 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3340 | 1/1 | 0.96 | 0.12 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1665 | 1/1 | 0.96 | 0.49 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3796 | 1/1 | 0.96 | 0.19 | 79,79,79,79 | 0 |
| 55 | MG | 2A | 3129 | 1/1 | 0.96 | 0.99 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3008 | 1/1 | 0.96 | 0.15 | 32,32,32,32 | 0 |
| 55 | MG | 2T | 202 | 1/1 | 0.96 | 0.07 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3875 | 1/1 | 0.96 | 0.44 | 26,26,26,26 | 0 |
| 55 | MG | 2a | 1807 | 1/1 | 0.96 | 0.08 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3346 | 1/1 | 0.96 | 0.09 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3573 | 1/1 | 0.96 | 0.21 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3574 | 1/1 | 0.96 | 0.07 | 47,47,47,47 | 0 |
| 55 | MG | 2a | 1811 | 1/1 | 0.96 | 0.06 | 60,60,60,60 | 0 |
| 55 | MG | 1a | 1817 | 1/1 | 0.96 | 0.11 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3805 | 1/1 | 0.96 | 0.09 | 73,73,73,73 | 0 |
| 55 | MG | 2A | 3577 | 1/1 | 0.96 | 0.06 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3579 | 1/1 | 0.96 | 0.13 | 37,37,37,37 | 0 |
| 55 | MG | 2a | 1817 | 1/1 | 0.96 | 0.21 | 68,68,68,68 | 0 |
| 55 | MG | 2a | 1819 | 1/1 | 0.96 | 0.14 | 61,61,61,61 | 0 |
| 55 | MG | 1A | 3226 | 1/1 | 0.96 | 0.23 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3395 | 1/1 | 0.96 | 0.38 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3583 | 1/1 | 0.96 | 0.07 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3584 | 1/1 | 0.96 | 0.88 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3816 | 1/1 | 0.96 | 0.10 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3353 | 1/1 | 0.96 | 0.14 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3044 | 1/1 | 0.96 | 0.16 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3358 | 1/1 | 0.96 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3139 | 1/1 | 0.96 | 0.32 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1822 | 1/1 | 0.96 | 0.40 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3362 | 1/1 | 0.96 | 0.11 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3363 | 1/1 | 0.96 | 0.22 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1824 | 1/1 | 0.96 | 0.13 | 42,42,42,42 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 2A | 3366 | 1/1 | 0.96 | 0.12 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3025 | 1/1 | 0.96 | 1.08 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3485 | 1/1 | 0.96 | 0.72 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3178 | 1/1 | 0.96 | 0.12 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3653 | 1/1 | 0.96 | 0.64 | 21,21,21,21 | 0 |
| 55 | MG | 1a | 1830 | 1/1 | 0.96 | 0.20 | 56,56,56,56 | 0 |
| 55 | MG | 2a | 1601 | 1/1 | 0.96 | 0.10 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3403 | 1/1 | 0.96 | 0.09 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3565 | 1/1 | 0.96 | 0.14 | 42,42,42,42 | 0 |
| 55 | MG | 2A | 3838 | 1/1 | 0.96 | 0.09 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3885 | 1/1 | 0.96 | 0.10 | 47,47,47,47 | 0 |
| 55 | MG | 1N | 202 | 1/1 | 0.96 | 0.51 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3179 | 1/1 | 0.96 | 0.15 | 51,51,51,51 | 0 |
| 55 | MG | 2a | 1609 | 1/1 | 0.96 | 0.21 | 78,78,78,78 | 0 |
| 55 | MG | 2A | 3383 | 1/1 | 0.96 | 0.07 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3846 | 1/1 | 0.96 | 0.09 | 56,56,56,56 | 0 |
| 55 | MG | 1A | 3887 | 1/1 | 0.96 | 0.25 | 71,71,71,71 | 0 |
| 55 | MG | 2A | 3385 | 1/1 | 0.96 | 0.12 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3406 | 1/1 | 0.96 | 0.09 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3408 | 1/1 | 0.96 | 0.08 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3852 | 1/1 | 0.96 | 0.28 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1839 | 1/1 | 0.96 | 0.13 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3855 | 1/1 | 0.96 | 0.04 | 64,64,64,64 | 0 |
| 56 | ZN | 1n | 501 | 1/1 | 0.96 | 0.12 | 75,75,75,75 | 0 |
| 56 | ZN | 2Y | 202 | 1/1 | 0.96 | 0.05 | 80,80,80,80 | 0 |
| 55 | MG | 1A | 3757 | 1/1 | 0.96 | 0.16 | 9,9,9,9 | 0 |
| 55 | MG | 1R | 204 | 1/1 | 0.96 | 0.21 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3412 | 1/1 | 0.97 | 0.04 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3063 | 1/1 | 0.97 | 0.14 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3043 | 1/1 | 0.97 | 0.41 | 10,10,10,10 | 0 |
| 55 | MG | 2A | 3771 | 1/1 | 0.97 | 0.15 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3277 | 1/1 | 0.97 | 0.16 | 37,37,37,37 | 0 |
| 55 | MG | 1B | 202 | 1/1 | 0.97 | 0.24 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3067 | 1/1 | 0.97 | 0.25 | 41,41,41,41 | 0 |
| 55 | MG | 1a | 1764 | 1/1 | 0.97 | 0.11 | 75,75,75,75 | 0 |
| 55 | MG | 2A | 3275 | 1/1 | 0.97 | 0.23 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3060 | 1/1 | 0.97 | 0.16 | 22,22,22,22 | 0 |
| 55 | MG | 2A | 3780 | 1/1 | 0.97 | 0.13 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3595 | 1/1 | 0.97 | 0.12 | 27,27,27,27 | 0 |
| 55 | MG | 25 | 101 | 1/1 | 0.97 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3193 | 1/1 | 0.97 | 0.44 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3072 | 1/1 | 0.97 | 0.30 | 39,39,39,39 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3282 | 1/1 | 0.97 | 0.16 | 41,41,41,41 | 0 |
| 55 | MG | 27 | 101 | 1/1 | 0.97 | 0.68 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3818 | 1/1 | 0.97 | 0.15 | 40,40,40,40 | 0 |
| 55 | MG | 28 | 101 | 1/1 | 0.97 | 0.82 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3530 | 1/1 | 0.97 | 0.29 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3787 | 1/1 | 0.97 | 0.13 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3819 | 1/1 | 0.97 | 0.05 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3076 | 1/1 | 0.97 | 0.39 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3820 | 1/1 | 0.97 | 0.06 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3287 | 1/1 | 0.97 | 0.12 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3597 | 1/1 | 0.97 | 0.30 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3281 | 1/1 | 0.97 | 0.09 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3290 | 1/1 | 0.97 | 0.14 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3282 | 1/1 | 0.97 | 0.09 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3292 | 1/1 | 0.97 | 0.07 | 38,38,38,38 | 0 |
| 55 | MG | 2a | 1608 | 1/1 | 0.97 | 0.20 | 88,88,88,88 | 0 |
| 55 | MG | 1A | 3338 | 1/1 | 0.97 | 0.10 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3705 | 1/1 | 0.97 | 0.13 | 58,58,58,58 | 0 |
| 55 | MG | 1B | 216 | 1/1 | 0.97 | 0.09 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3088 | 1/1 | 0.97 | 0.66 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3297 | 1/1 | 0.97 | 0.12 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3194 | 1/1 | 0.97 | 0.17 | 39,39,39,39 | 0 |
| 55 | MG | 1B | 218 | 1/1 | 0.97 | 0.15 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3808 | 1/1 | 0.97 | 0.13 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3547 | 1/1 | 0.97 | 0.05 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3301 | 1/1 | 0.97 | 0.11 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3508 | 1/1 | 0.97 | 0.07 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3813 | 1/1 | 0.97 | 0.11 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3423 | 1/1 | 0.97 | 0.14 | 9,9,9,9 | 0 |
| 55 | MG | 2A | 3551 | 1/1 | 0.97 | 0.09 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3837 | 1/1 | 0.97 | 0.12 | 9,9,9,9 | 0 |
| 55 | MG | 1A | 3425 | 1/1 | 0.97 | 0.16 | 10,10,10,10 | 0 |
| 55 | MG | 1a | 1784 | 1/1 | 0.97 | 0.21 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3309 | 1/1 | 0.97 | 0.10 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3310 | 1/1 | 0.97 | 0.05 | 69,69,69,69 | 0 |
| 55 | MG | 2A | 3822 | 1/1 | 0.97 | 0.06 | 53,53,53,53 | 0 |
| 55 | MG | 1B | 223 | 1/1 | 0.97 | 0.23 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3824 | 1/1 | 0.97 | 0.18 | 47,47,47,47 | 0 |
| 55 | MG | 2A | 3313 | 1/1 | 0.97 | 0.10 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3826 | 1/1 | 0.97 | 0.05 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3314 | 1/1 | 0.97 | 0.12 | 31,31,31,31 | 0 |
| 55 | MG | 1a | 1787 | 1/1 | 0.97 | 0.06 | 60,60,60,60 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3839 | 1/1 | 0.97 | 0.09 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3340 | 1/1 | 0.97 | 0.10 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3712 | 1/1 | 0.97 | 0.12 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3250 | 1/1 | 0.97 | 0.12 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3286 | 1/1 | 0.97 | 0.20 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3432 | 1/1 | 0.97 | 0.20 | 8,8,8,8 | 0 |
| 55 | MG | 2A | 3835 | 1/1 | 0.97 | 0.10 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3323 | 1/1 | 0.97 | 0.19 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3611 | 1/1 | 0.97 | 0.14 | 60,60,60,60 | 0 |
| 55 | MG | 1A | 3220 | 1/1 | 0.97 | 0.81 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3346 | 1/1 | 0.97 | 0.14 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3840 | 1/1 | 0.97 | 0.14 | 39,39,39,39 | 0 |
| 55 | MG | 2A | 3841 | 1/1 | 0.97 | 0.09 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3327 | 1/1 | 0.97 | 0.13 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3852 | 1/1 | 0.97 | 0.20 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3329 | 1/1 | 0.97 | 0.10 | 43,43,43,43 | 0 |
| 55 | MG | 2a | 1652 | 1/1 | 0.97 | 0.20 | 43,43,43,43 | 0 |
| 55 | MG | 2a | 1653 | 1/1 | 0.97 | 0.26 | 70,70,70,70 | 0 |
| 55 | MG | 1a | 1798 | 1/1 | 0.97 | 0.10 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3028 | 1/1 | 0.97 | 0.39 | 19,19,19,19 | 0 |
| 55 | MG | 1a | 1800 | 1/1 | 0.97 | 0.24 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3437 | 1/1 | 0.97 | 0.07 | 9,9,9,9 | 0 |
| 55 | MG | 1A | 3100 | 1/1 | 0.97 | 0.16 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3851 | 1/1 | 0.97 | 0.17 | 66,66,66,66 | 0 |
| 55 | MG | 1a | 1803 | 1/1 | 0.97 | 0.13 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3582 | 1/1 | 0.97 | 0.12 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3356 | 1/1 | 0.97 | 0.15 | 20,20,20,20 | 0 |
| 55 | MG | 1D | 313 | 1/1 | 0.97 | 0.43 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3338 | 1/1 | 0.97 | 0.17 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3254 | 1/1 | 0.97 | 0.42 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3859 | 1/1 | 0.97 | 0.30 | 62,62,62,62 | 0 |
| 55 | MG | 1a | 1657 | 1/1 | 0.97 | 0.10 | 67,67,67,67 | 0 |
| 55 | MG | 2A | 3588 | 1/1 | 0.97 | 0.18 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3526 | 1/1 | 0.97 | 0.06 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3726 | 1/1 | 0.97 | 0.12 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3125 | 1/1 | 0.97 | 0.18 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3441 | 1/1 | 0.97 | 0.16 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3134 | 1/1 | 0.97 | 0.17 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3531 | 1/1 | 0.97 | 0.08 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3730 | 1/1 | 0.97 | 0.14 | 61,61,61,61 | 0 |
| 55 | MG | 2A | 3349 | 1/1 | 0.97 | 0.11 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3293 | 1/1 | 0.97 | 0.09 | 45,45,45,45 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3352 | 1/1 | 0.97 | 0.09 | 48,48,48,48 | 0 |
| 55 | MG | 1a | 1816 | 1/1 | 0.97 | 0.10 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3355 | 1/1 | 0.97 | 0.05 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3602 | 1/1 | 0.97 | 0.16 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3135 | 1/1 | 0.97 | 0.17 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3533 | 1/1 | 0.97 | 0.09 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3227 | 1/1 | 0.97 | 0.59 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3295 | 1/1 | 0.97 | 0.08 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3140 | 1/1 | 0.97 | 0.23 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3628 | 1/1 | 0.97 | 0.14 | 10,10,10,10 | 0 |
| 55 | MG | 2A | 3364 | 1/1 | 0.97 | 0.13 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3610 | 1/1 | 0.97 | 0.13 | 35,35,35,35 | 0 |
| 55 | MG | 1a | 1821 | 1/1 | 0.97 | 0.05 | 70,70,70,70 | 0 |
| 55 | MG | 1A | 3147 | 1/1 | 0.97 | 0.71 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3367 | 1/1 | 0.97 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3614 | 1/1 | 0.97 | 0.04 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3887 | 1/1 | 0.97 | 0.08 | 76,76,76,76 | 0 |
| 55 | MG | 2A | 3144 | 1/1 | 0.97 | 0.62 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3369 | 1/1 | 0.97 | 0.13 | 28,28,28,28 | 0 |
| 55 | MG | 1a | 1823 | 1/1 | 0.97 | 0.24 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3371 | 1/1 | 0.97 | 0.08 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3874 | 1/1 | 0.97 | 0.07 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3365 | 1/1 | 0.97 | 0.07 | 33,33,33,33 | 0 |
| 55 | MG | 1F | 309 | 1/1 | 0.97 | 0.57 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3375 | 1/1 | 0.97 | 0.10 | 21,21,21,21 | 0 |
| 55 | MG | 1a | 1827 | 1/1 | 0.97 | 0.08 | 49,49,49,49 | 0 |
| 55 | MG | 1A | 3449 | 1/1 | 0.97 | 0.11 | 45,45,45,45 | 0 |
| 55 | MG | 1F | 311 | 1/1 | 0.97 | 0.37 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3366 | 1/1 | 0.97 | 0.08 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3740 | 1/1 | 0.97 | 0.12 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3904 | 1/1 | 0.97 | 0.14 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3382 | 1/1 | 0.97 | 0.11 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3741 | 1/1 | 0.97 | 0.73 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3540 | 1/1 | 0.97 | 0.22 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3298 | 1/1 | 0.97 | 0.08 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3910 | 1/1 | 0.97 | 0.19 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3157 | 1/1 | 0.97 | 0.15 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3387 | 1/1 | 0.97 | 0.13 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3181 | 1/1 | 0.97 | 0.48 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3914 | 1/1 | 0.97 | 0.22 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3745 | 1/1 | 0.97 | 0.14 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3370 | 1/1 | 0.97 | 0.06 | 45,45,45,45 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3162 | 1/1 | 0.97 | 0.20 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3163 | 1/1 | 0.97 | 0.54 | 38,38,38,38 | 0 |
| 55 | MG | 1N | 201 | 1/1 | 0.97 | 0.17 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3545 | 1/1 | 0.97 | 0.11 | 40,40,40,40 | 0 |
| 55 | MG | 2a | 1729 | 1/1 | 0.97 | 0.33 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3642 | 1/1 | 0.97 | 0.51 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3167 | 1/1 | 0.97 | 0.20 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3302 | 1/1 | 0.97 | 0.19 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3400 | 1/1 | 0.97 | 0.08 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3401 | 1/1 | 0.97 | 0.14 | 36,36,36,36 | 0 |
| 55 | MG | 1a | 1687 | 1/1 | 0.97 | 0.12 | 31,31,31,31 | 0 |
| 55 | MG | 1P | 203 | 1/1 | 0.97 | 0.68 | 9,9,9,9 | 0 |
| 55 | MG | 2A | 3172 | 1/1 | 0.97 | 0.20 | 54,54,54,54 | 0 |
| 55 | MG | 1A | 3644 | 1/1 | 0.97 | 0.09 | 30,30,30,30 | 0 |
| 55 | MG | 1Q | 202 | 1/1 | 0.97 | 0.11 | 19,19,19,19 | 0 |
| 55 | MG | 2A | 3407 | 1/1 | 0.97 | 0.12 | 32,32,32,32 | 0 |
| 55 | MG | 1b | 3001 | 1/1 | 0.97 | 0.06 | 79,79,79,79 | 0 |
| 55 | MG | 1A | 3304 | 1/1 | 0.97 | 0.10 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3657 | 1/1 | 0.97 | 0.16 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3373 | 1/1 | 0.97 | 0.11 | 7,7,7,7 | 0 |
| 55 | MG | 1A | 3647 | 1/1 | 0.97 | 0.13 | 28,28,28,28 | 0 |
| 55 | MG | 1T | 201 | 1/1 | 0.97 | 0.10 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3896 | 1/1 | 0.97 | 0.12 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3416 | 1/1 | 0.97 | 0.12 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3305 | 1/1 | 0.97 | 0.11 | 47,47,47,47 | 0 |
| 55 | MG | 1a | 1698 | 1/1 | 0.97 | 0.07 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3947 | 1/1 | 0.97 | 0.17 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3665 | 1/1 | 0.97 | 0.13 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3376 | 1/1 | 0.97 | 0.13 | 26,26,26,26 | 0 |
| 55 | MG | 1U | 203 | 1/1 | 0.97 | 0.14 | 32,32,32,32 | 0 |
| 55 | MG | 1a | 1703 | 1/1 | 0.97 | 0.16 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3379 | 1/1 | 0.97 | 0.14 | 13,13,13,13 | 0 |
| 55 | MG | 2A | 3953 | 1/1 | 0.97 | 0.38 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3465 | 1/1 | 0.97 | 0.05 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3427 | 1/1 | 0.97 | 0.20 | 44,44,44,44 | 0 |
| 55 | MG | 2a | 1760 | 1/1 | 0.97 | 0.10 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3088 | 1/1 | 0.97 | 0.68 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3430 | 1/1 | 0.97 | 0.07 | 71,71,71,71 | 0 |
| 55 | MG | 2A | 3189 | 1/1 | 0.97 | 0.48 | 43,43,43,43 | 0 |
| 55 | MG | 1a | 1707 | 1/1 | 0.97 | 0.17 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3435 | 1/1 | 0.97 | 0.13 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3554 | 1/1 | 0.97 | 0.15 | 56,56,56,56 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1a | 1709 | 1/1 | 0.97 | 0.09 | 37,37,37,37 | 0 |
| 55 | MG | 1t | 3001 | 1/1 | 0.97 | 0.28 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3310 | 1/1 | 0.97 | 0.16 | 17,17,17,17 | 0 |
| 55 | MG | 2A | 3002 | 1/1 | 0.97 | 0.13 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3468 | 1/1 | 0.97 | 0.17 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3906 | 1/1 | 0.97 | 0.08 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3686 | 1/1 | 0.97 | 0.15 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3136 | 1/1 | 0.97 | 0.24 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3471 | 1/1 | 0.97 | 0.09 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3445 | 1/1 | 0.97 | 0.12 | 55,55,55,55 | 0 |
| 55 | MG | 2A | 3446 | 1/1 | 0.97 | 0.16 | 22,22,22,22 | 0 |
| 55 | MG | 2B | 3004 | 1/1 | 0.97 | 0.20 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3659 | 1/1 | 0.97 | 0.12 | 6,6,6,6 | 0 |
| 55 | MG | 1A | 3312 | 1/1 | 0.97 | 0.10 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3769 | 1/1 | 0.97 | 0.04 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3474 | 1/1 | 0.97 | 0.97 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3913 | 1/1 | 0.97 | 0.21 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3387 | 1/1 | 0.97 | 0.04 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3453 | 1/1 | 0.97 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3208 | 1/1 | 0.97 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3700 | 1/1 | 0.97 | 0.14 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3455 | 1/1 | 0.97 | 0.32 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3209 | 1/1 | 0.97 | 0.58 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3773 | 1/1 | 0.97 | 0.10 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3018 | 1/1 | 0.97 | 0.28 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3035 | 1/1 | 0.97 | 0.11 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3666 | 1/1 | 0.97 | 0.10 | 42,42,42,42 | 0 |
| 55 | MG | 2B | 3021 | 1/1 | 0.97 | 0.09 | 45,45,45,45 | 0 |
| 55 | MG | 2B | 3022 | 1/1 | 0.97 | 0.33 | 68,68,68,68 | 0 |
| 55 | MG | 2A | 3216 | 1/1 | 0.97 | 0.29 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3167 | 1/1 | 0.97 | 0.54 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3464 | 1/1 | 0.97 | 0.14 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3465 | 1/1 | 0.97 | 0.08 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3206 | 1/1 | 0.97 | 0.34 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3467 | 1/1 | 0.97 | 0.17 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3715 | 1/1 | 0.97 | 0.06 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3318 | 1/1 | 0.97 | 0.09 | 9,9,9,9 | 0 |
| 55 | MG | 1A | 3207 | 1/1 | 0.97 | 0.60 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3113 | 1/1 | 0.97 | 0.14 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3210 | 1/1 | 0.97 | 0.38 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3928 | 1/1 | 0.97 | 0.64 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3483 | 1/1 | 0.97 | 0.10 | 62,62,62,62 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1a | 1735 | 1/1 | 0.97 | 0.08 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3475 | 1/1 | 0.97 | 0.24 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3930 | 1/1 | 0.97 | 0.54 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3114 | 1/1 | 0.97 | 0.36 | 18,18,18,18 | 0 |
| 55 | MG | 2A | 3478 | 1/1 | 0.97 | 0.13 | 58,58,58,58 | 0 |
| 55 | MG | 2A | 3479 | 1/1 | 0.97 | 0.09 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3212 | 1/1 | 0.97 | 0.32 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3785 | 1/1 | 0.97 | 0.14 | 8,8,8,8 | 0 |
| 55 | MG | 2A | 3237 | 1/1 | 0.97 | 0.17 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3240 | 1/1 | 0.97 | 0.41 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3153 | 1/1 | 0.97 | 0.82 | 26,26,26,26 | 0 |
| 55 | MG | 2a | 1824 | 1/1 | 0.97 | 0.59 | 65,65,65,65 | 0 |
| 55 | MG | 2A | 3486 | 1/1 | 0.97 | 0.33 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3936 | 1/1 | 0.97 | 0.12 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3487 | 1/1 | 0.97 | 0.16 | 21,21,21,21 | 0 |
| 55 | MG | 2F | 304 | 1/1 | 0.97 | 0.60 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3489 | 1/1 | 0.97 | 0.34 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3244 | 1/1 | 0.97 | 0.52 | 29,29,29,29 | 0 |
| 55 | MG | 2F | 307 | 1/1 | 0.97 | 0.09 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3326 | 1/1 | 0.97 | 0.07 | 32,32,32,32 | 0 |
| 55 | MG | 1A | 3407 | 1/1 | 0.97 | 0.38 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3582 | 1/1 | 0.97 | 0.34 | 14,14,14,14 | 0 |
| 55 | MG | 1A | 3941 | 1/1 | 0.97 | 0.11 | 48,48,48,48 | 0 |
| 55 | MG | 2a | 1837 | 1/1 | 0.97 | 0.17 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3796 | 1/1 | 0.97 | 0.13 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3496 | 1/1 | 0.97 | 0.10 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3797 | 1/1 | 0.97 | 0.45 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3684 | 1/1 | 0.97 | 0.24 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3500 | 1/1 | 0.97 | 0.12 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3095 | 1/1 | 0.97 | 0.28 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3253 | 1/1 | 0.97 | 0.21 | 56,56,56,56 | 0 |
| 55 | MG | 1a | 1607 | 1/1 | 0.97 | 0.06 | 74,74,74,74 | 0 |
| 55 | MG | 2A | 3752 | 1/1 | 0.97 | 0.07 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3491 | 1/1 | 0.97 | 0.10 | 21,21,21,21 | 0 |
| 55 | MG | 2Q | 202 | 1/1 | 0.97 | 0.17 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3256 | 1/1 | 0.97 | 0.52 | 45,45,45,45 | 0 |
| 55 | MG | 2Q | 204 | 1/1 | 0.97 | 0.17 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3755 | 1/1 | 0.97 | 0.27 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3409 | 1/1 | 0.97 | 0.33 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3410 | 1/1 | 0.97 | 0.15 | 8,8,8,8 | 0 |
| 55 | MG | 2A | 3758 | 1/1 | 0.97 | 0.11 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3759 | 1/1 | 0.97 | 0.15 | 28,28,28,28 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3588 | 1/1 | 0.97 | 0.79 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3808 | 1/1 | 0.97 | 0.12 | 14,14,14,14 | 0 |
| 55 | MG | 1A | 3952 | 1/1 | 0.97 | 0.43 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3116 | 1/1 | 0.97 | 0.09 | 35,35,35,35 | 0 |
| 55 | MG | 2U | 204 | 1/1 | 0.97 | 0.50 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3694 | 1/1 | 0.97 | 0.14 | 31,31,31,31 | 0 |
| 55 | MG | 2V | 201 | 1/1 | 0.97 | 0.25 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3265 | 1/1 | 0.97 | 0.26 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3266 | 1/1 | 0.97 | 0.53 | 41,41,41,41 | 0 |
| 55 | MG | 2A | 3222 | 1/1 | 0.98 | 0.38 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3829 | 1/1 | 0.98 | 0.15 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3224 | 1/1 | 0.98 | 0.51 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3342 | 1/1 | 0.98 | 0.08 | 30,30,30,30 | 0 |
| 55 | MG | 2A | 3075 | 1/1 | 0.98 | 0.33 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3391 | 1/1 | 0.98 | 0.35 | 63,63,63,63 | 0 |
| 55 | MG | 2A | 3934 | 1/1 | 0.98 | 0.10 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3227 | 1/1 | 0.98 | 0.41 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3228 | 1/1 | 0.98 | 0.14 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3229 | 1/1 | 0.98 | 0.10 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3831 | 1/1 | 0.98 | 0.11 | 13,13,13,13 | 0 |
| 55 | MG | 1A | 3235 | 1/1 | 0.98 | 0.10 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3079 | 1/1 | 0.98 | 0.35 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3576 | 1/1 | 0.98 | 0.12 | 13,13,13,13 | 0 |
| 55 | MG | 2A | 3399 | 1/1 | 0.98 | 0.07 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3943 | 1/1 | 0.98 | 0.19 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3652 | 1/1 | 0.98 | 0.13 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3835 | 1/1 | 0.98 | 0.10 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3748 | 1/1 | 0.98 | 0.05 | 50,50,50,50 | 0 |
| 55 | MG | 1a | 1812 | 1/1 | 0.98 | 0.07 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3239 | 1/1 | 0.98 | 0.18 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3084 | 1/1 | 0.98 | 0.53 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3085 | 1/1 | 0.98 | 0.28 | 52,52,52,52 | 0 |
| 55 | MG | 1a | 1692 | 1/1 | 0.98 | 0.21 | 53,53,53,53 | 0 |
| 55 | MG | 2A | 3575 | 1/1 | 0.98 | 0.07 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3836 | 1/1 | 0.98 | 0.09 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3408 | 1/1 | 0.98 | 0.12 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3578 | 1/1 | 0.98 | 0.29 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3062 | 1/1 | 0.98 | 0.38 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3289 | 1/1 | 0.98 | 0.12 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3090 | 1/1 | 0.98 | 0.07 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3450 | 1/1 | 0.98 | 0.09 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3581 | 1/1 | 0.98 | 0.25 | 24,24,24,24 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3414 | 1/1 | 0.98 | 0.10 | 70,70,70,70 | 0 |
| 55 | MG | 1A | 3842 | 1/1 | 0.98 | 0.16 | 39,39,39,39 | 0 |
| 55 | MG | 1a | 1699 | 1/1 | 0.98 | 0.09 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3393 | 1/1 | 0.98 | 0.09 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3452 | 1/1 | 0.98 | 0.18 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3394 | 1/1 | 0.98 | 0.10 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3517 | 1/1 | 0.98 | 0.13 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3099 | 1/1 | 0.98 | 0.22 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3772 | 1/1 | 0.98 | 0.08 | 50,50,50,50 | 0 |
| 55 | MG | 2A | 3422 | 1/1 | 0.98 | 0.07 | 60,60,60,60 | 0 |
| 55 | MG | 2B | 3001 | 1/1 | 0.98 | 0.26 | 51,51,51,51 | 0 |
| 55 | MG | 2B | 3002 | 1/1 | 0.98 | 0.05 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3315 | 1/1 | 0.98 | 0.13 | 10,10,10,10 | 0 |
| 55 | MG | 2A | 3424 | 1/1 | 0.98 | 0.12 | 72,72,72,72 | 0 |
| 55 | MG | 1A | 3587 | 1/1 | 0.98 | 0.29 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3426 | 1/1 | 0.98 | 0.07 | 66,66,66,66 | 0 |
| 55 | MG | 1B | 201 | 1/1 | 0.98 | 0.45 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3746 | 1/1 | 0.98 | 0.10 | 48,48,48,48 | 0 |
| 55 | MG | 2A | 3429 | 1/1 | 0.98 | 0.14 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3600 | 1/1 | 0.98 | 0.21 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3851 | 1/1 | 0.98 | 0.14 | 43,43,43,43 | 0 |
| 55 | MG | 2B | 3012 | 1/1 | 0.98 | 0.07 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3431 | 1/1 | 0.98 | 0.20 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3068 | 1/1 | 0.98 | 0.50 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3107 | 1/1 | 0.98 | 0.43 | 40,40,40,40 | 0 |
| 55 | MG | 1a | 1712 | 1/1 | 0.98 | 0.19 | 83,83,83,83 | 0 |
| 55 | MG | 2A | 3264 | 1/1 | 0.98 | 0.23 | 16,16,16,16 | 0 |
| 55 | MG | 2a | 1710 | 1/1 | 0.98 | 0.20 | 49,49,49,49 | 0 |
| 55 | MG | 2a | 1712 | 1/1 | 0.98 | 0.18 | 59,59,59,59 | 0 |
| 55 | MG | 1A | 3351 | 1/1 | 0.98 | 0.14 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3352 | 1/1 | 0.98 | 0.12 | 11,11,11,11 | 0 |
| 55 | MG | 2a | 1715 | 1/1 | 0.98 | 0.07 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3267 | 1/1 | 0.98 | 0.49 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3792 | 1/1 | 0.98 | 0.12 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3793 | 1/1 | 0.98 | 0.04 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3399 | 1/1 | 0.98 | 0.06 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3353 | 1/1 | 0.98 | 0.10 | 13,13,13,13 | 0 |
| 55 | MG | 1A | 3524 | 1/1 | 0.98 | 0.26 | 24,24,24,24 | 0 |
| 55 | MG | 2A | 3797 | 1/1 | 0.98 | 0.12 | 36,36,36,36 | 0 |
| 55 | MG | 2D | 301 | 1/1 | 0.98 | 0.30 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3859 | 1/1 | 0.98 | 0.06 | 35,35,35,35 | 0 |
| 55 | MG | 2a | 1725 | 1/1 | 0.98 | 0.19 | 58,58,58,58 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3594 | 1/1 | 0.98 | 0.25 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3525 | 1/1 | 0.98 | 0.14 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3616 | 1/1 | 0.98 | 0.55 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3117 | 1/1 | 0.98 | 0.27 | 36,36,36,36 | 0 |
| 55 | MG | 1B | 214 | 1/1 | 0.98 | 0.06 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3404 | 1/1 | 0.98 | 0.06 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3674 | 1/1 | 0.98 | 0.06 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3354 | 1/1 | 0.98 | 0.09 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3807 | 1/1 | 0.98 | 0.11 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3676 | 1/1 | 0.98 | 0.05 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3281 | 1/1 | 0.98 | 0.08 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3810 | 1/1 | 0.98 | 0.10 | 27,27,27,27 | 0 |
| 55 | MG | 1a | 1726 | 1/1 | 0.98 | 0.04 | 68,68,68,68 | 0 |
| 55 | MG | 1A | 3355 | 1/1 | 0.98 | 0.04 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3529 | 1/1 | 0.98 | 0.13 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3868 | 1/1 | 0.98 | 0.12 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3127 | 1/1 | 0.98 | 0.32 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3600 | 1/1 | 0.98 | 0.35 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3530 | 1/1 | 0.98 | 0.11 | 53,53,53,53 | 0 |
| 55 | MG | 1A | 3042 | 1/1 | 0.98 | 0.54 | 1,1,1,1 | 0 |
| 55 | MG | 1A | 3682 | 1/1 | 0.98 | 0.18 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3319 | 1/1 | 0.98 | 0.06 | 52,52,52,52 | 0 |
| 55 | MG | 2A | 3821 | 1/1 | 0.98 | 0.05 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3463 | 1/1 | 0.98 | 0.16 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3111 | 1/1 | 0.98 | 0.15 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3136 | 1/1 | 0.98 | 0.13 | 34,34,34,34 | 0 |
| 55 | MG | 2F | 308 | 1/1 | 0.98 | 0.68 | 34,34,34,34 | 0 |
| 55 | MG | 2A | 3637 | 1/1 | 0.98 | 0.23 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3469 | 1/1 | 0.98 | 0.19 | 41,41,41,41 | 0 |
| 55 | MG | 1A | 3045 | 1/1 | 0.98 | 0.12 | 13,13,13,13 | 0 |
| 55 | MG | 1D | 302 | 1/1 | 0.98 | 0.21 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3123 | 1/1 | 0.98 | 0.37 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3688 | 1/1 | 0.98 | 0.13 | 23,23,23,23 | 0 |
| 55 | MG | 1D | 305 | 1/1 | 0.98 | 0.13 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3225 | 1/1 | 0.98 | 0.10 | 25,25,25,25 | 0 |
| 55 | MG | 1a | 1625 | 1/1 | 0.98 | 0.25 | 54,54,54,54 | 0 |
| 55 | MG | 2A | 3646 | 1/1 | 0.98 | 0.21 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3362 | 1/1 | 0.98 | 0.29 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3363 | 1/1 | 0.98 | 0.06 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3693 | 1/1 | 0.98 | 0.10 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3307 | 1/1 | 0.98 | 0.09 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3003 | 1/1 | 0.98 | 0.20 | 34,34,34,34 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3296 | 1/1 | 0.98 | 0.11 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3480 | 1/1 | 0.98 | 0.06 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3416 | 1/1 | 0.98 | 0.07 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3542 | 1/1 | 0.98 | 0.14 | 49,49,49,49 | 0 |
| 55 | MG | 2R | 203 | 1/1 | 0.98 | 0.12 | 16,16,16,16 | 0 |
| 55 | MG | 2A | 3844 | 1/1 | 0.98 | 0.20 | 65,65,65,65 | 0 |
| 55 | MG | 1A | 3076 | 1/1 | 0.98 | 0.26 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3168 | 1/1 | 0.98 | 0.12 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3889 | 1/1 | 0.98 | 0.35 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3299 | 1/1 | 0.98 | 0.10 | 28,28,28,28 | 0 |
| 55 | MG | 1E | 301 | 1/1 | 0.98 | 0.13 | 9,9,9,9 | 0 |
| 55 | MG | 1A | 3300 | 1/1 | 0.98 | 0.09 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3421 | 1/1 | 0.98 | 0.21 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3014 | 1/1 | 0.98 | 0.15 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3853 | 1/1 | 0.98 | 0.09 | 53,53,53,53 | 0 |
| 55 | MG | 2V | 202 | 1/1 | 0.98 | 0.40 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3015 | 1/1 | 0.98 | 0.50 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3161 | 1/1 | 0.98 | 0.22 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3666 | 1/1 | 0.98 | 0.14 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3016 | 1/1 | 0.98 | 0.50 | 38,38,38,38 | 0 |
| 55 | MG | 1a | 1639 | 1/1 | 0.98 | 0.13 | 63,63,63,63 | 0 |
| 55 | MG | 1A | 3894 | 1/1 | 0.98 | 0.06 | 13,13,13,13 | 0 |
| 55 | MG | 1A | 3895 | 1/1 | 0.98 | 0.06 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3671 | 1/1 | 0.98 | 0.05 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3369 | 1/1 | 0.98 | 0.11 | 12,12,12,12 | 0 |
| 55 | MG | 2A | 3021 | 1/1 | 0.98 | 0.68 | 44,44,44,44 | 0 |
| 55 | MG | 2A | 3499 | 1/1 | 0.98 | 0.29 | 28,28,28,28 | 0 |
| 55 | MG | 20 | 103 | 1/1 | 0.98 | 0.11 | 64,64,64,64 | 0 |
| 55 | MG | 1A | 3261 | 1/1 | 0.98 | 0.16 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3898 | 1/1 | 0.98 | 0.08 | 58,58,58,58 | 0 |
| 55 | MG | 2I | 8001 | 1/1 | 0.98 | 0.07 | 51,51,51,51 | 0 |
| 55 | MG | 1A | 3424 | 1/1 | 0.98 | 0.09 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3790 | 1/1 | 0.98 | 0.06 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3097 | 1/1 | 0.98 | 0.44 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3028 | 1/1 | 0.98 | 0.59 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3303 | 1/1 | 0.98 | 0.15 | 27,27,27,27 | 0 |
| 55 | MG | 1a | 1767 | 1/1 | 0.98 | 0.05 | 78,78,78,78 | 0 |
| 55 | MG | 1A | 3794 | 1/1 | 0.98 | 0.07 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3795 | 1/1 | 0.98 | 0.19 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3707 | 1/1 | 0.98 | 0.08 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3157 | 1/1 | 0.98 | 0.12 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3035 | 1/1 | 0.98 | 0.10 | 41,41,41,41 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(Å ²) | Q<0.9 |
|-----|------|-------|------|-------|------|------|----------------------------|-------|
| 55 | MG | 1A | 3430 | 1/1 | 0.98 | 0.14 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3334 | 1/1 | 0.98 | 0.19 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3345 | 1/1 | 0.98 | 0.13 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3629 | 1/1 | 0.98 | 0.09 | 55,55,55,55 | 0 |
| 55 | MG | 1A | 3630 | 1/1 | 0.98 | 0.09 | 46,46,46,46 | 0 |
| 55 | MG | 2A | 3693 | 1/1 | 0.98 | 0.07 | 37,37,37,37 | 0 |
| 55 | MG | 2a | 1816 | 1/1 | 0.98 | 0.41 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3375 | 1/1 | 0.98 | 0.16 | 24,24,24,24 | 0 |
| 55 | MG | 2a | 1818 | 1/1 | 0.98 | 0.16 | 45,45,45,45 | 0 |
| 55 | MG | 1A | 3803 | 1/1 | 0.98 | 0.06 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3492 | 1/1 | 0.98 | 0.19 | 28,28,28,28 | 0 |
| 55 | MG | 2a | 1821 | 1/1 | 0.98 | 0.06 | 46,46,46,46 | 0 |
| 55 | MG | 1A | 3806 | 1/1 | 0.98 | 0.09 | 37,37,37,37 | 0 |
| 55 | MG | 2a | 1823 | 1/1 | 0.98 | 0.05 | 94,94,94,94 | 0 |
| 55 | MG | 2A | 3045 | 1/1 | 0.98 | 0.12 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3807 | 1/1 | 0.98 | 0.08 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3890 | 1/1 | 0.98 | 0.23 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3633 | 1/1 | 0.98 | 0.07 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3357 | 1/1 | 0.98 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3433 | 1/1 | 0.98 | 0.08 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3919 | 1/1 | 0.98 | 0.14 | 9,9,9,9 | 0 |
| 55 | MG | 2A | 3360 | 1/1 | 0.98 | 0.12 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3283 | 1/1 | 0.98 | 0.13 | 9,9,9,9 | 0 |
| 55 | MG | 1A | 3495 | 1/1 | 0.98 | 0.24 | 33,33,33,33 | 0 |
| 55 | MG | 2A | 3898 | 1/1 | 0.98 | 0.09 | 24,24,24,24 | 0 |
| 55 | MG | 1a | 1786 | 1/1 | 0.98 | 0.04 | 69,69,69,69 | 0 |
| 55 | MG | 1A | 3377 | 1/1 | 0.98 | 0.14 | 16,16,16,16 | 0 |
| 55 | MG | 1R | 201 | 1/1 | 0.98 | 0.17 | 20,20,20,20 | 0 |
| 55 | MG | 1R | 202 | 1/1 | 0.98 | 0.11 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3711 | 1/1 | 0.98 | 0.07 | 51,51,51,51 | 0 |
| 55 | MG | 2a | 1841 | 1/1 | 0.98 | 0.07 | 87,87,87,87 | 0 |
| 55 | MG | 2A | 3905 | 1/1 | 0.98 | 0.09 | 51,51,51,51 | 0 |
| 55 | MG | 2A | 3712 | 1/1 | 0.98 | 0.06 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3378 | 1/1 | 0.98 | 0.17 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3924 | 1/1 | 0.98 | 0.21 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3306 | 1/1 | 0.98 | 0.04 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3716 | 1/1 | 0.98 | 0.11 | 27,27,27,27 | 0 |
| 55 | MG | 2A | 3060 | 1/1 | 0.98 | 0.33 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3926 | 1/1 | 0.98 | 0.04 | 52,52,52,52 | 0 |
| 55 | MG | 1A | 3337 | 1/1 | 0.98 | 0.18 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3641 | 1/1 | 0.98 | 0.30 | 36,36,36,36 | 0 |
| 55 | MG | 2A | 3210 | 1/1 | 0.98 | 0.41 | 37,37,37,37 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3382 | 1/1 | 0.98 | 0.12 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3158 | 1/1 | 0.98 | 0.13 | 28,28,28,28 | 0 |
| 55 | MG | 1A | 3309 | 1/1 | 0.98 | 0.14 | 7,7,7,7 | 0 |
| 55 | MG | 1A | 3024 | 1/1 | 0.98 | 0.12 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3569 | 1/1 | 0.98 | 0.09 | 17,17,17,17 | 0 |
| 55 | MG | 1V | 203 | 1/1 | 0.98 | 0.17 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3107 | 1/1 | 0.98 | 0.42 | 20,20,20,20 | 0 |
| 55 | MG | 2a | 1644 | 1/1 | 0.98 | 0.27 | 46,46,46,46 | 0 |
| 56 | ZN | 1Y | 501 | 1/1 | 0.98 | 0.10 | 43,43,43,43 | 0 |
| 55 | MG | 2A | 3219 | 1/1 | 0.98 | 0.20 | 68,68,68,68 | 0 |
| 56 | ZN | 15 | 104 | 1/1 | 0.98 | 0.08 | 37,37,37,37 | 0 |
| 55 | MG | 1A | 3827 | 1/1 | 0.98 | 0.12 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3388 | 1/1 | 0.98 | 0.04 | 45,45,45,45 | 0 |
| 55 | MG | 2A | 3926 | 1/1 | 0.98 | 0.11 | 50,50,50,50 | 0 |
| 56 | ZN | 29 | 103 | 1/1 | 0.98 | 0.10 | 66,66,66,66 | 0 |
| 55 | MG | 2A | 3927 | 1/1 | 0.98 | 0.22 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3946 | 1/1 | 0.99 | 0.08 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3401 | 1/1 | 0.99 | 0.11 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3223 | 1/1 | 0.99 | 0.09 | 31,31,31,31 | 0 |
| 55 | MG | 2A | 3196 | 1/1 | 0.99 | 0.17 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3841 | 1/1 | 0.99 | 0.06 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3496 | 1/1 | 0.99 | 0.08 | 40,40,40,40 | 0 |
| 55 | MG | 1A | 3463 | 1/1 | 0.99 | 0.09 | 13,13,13,13 | 0 |
| 55 | MG | 1P | 201 | 1/1 | 0.99 | 0.08 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3379 | 1/1 | 0.99 | 0.14 | 15,15,15,15 | 0 |
| 55 | MG | 1P | 202 | 1/1 | 0.99 | 0.22 | 17,17,17,17 | 0 |
| 55 | MG | 2A | 3760 | 1/1 | 0.99 | 0.16 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3788 | 1/1 | 0.99 | 0.08 | 25,25,25,25 | 0 |
| 55 | MG | 2A | 3044 | 1/1 | 0.99 | 0.21 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3017 | 1/1 | 0.99 | 0.32 | 9,9,9,9 | 0 |
| 55 | MG | 1Q | 201 | 1/1 | 0.99 | 0.05 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3205 | 1/1 | 0.99 | 0.10 | 14,14,14,14 | 0 |
| 55 | MG | 1A | 3791 | 1/1 | 0.99 | 0.11 | 38,38,38,38 | 0 |
| 55 | MG | 1Q | 204 | 1/1 | 0.99 | 0.15 | 28,28,28,28 | 0 |
| 55 | MG | 1B | 213 | 1/1 | 0.99 | 0.15 | 21,21,21,21 | 0 |
| 55 | MG | 2A | 3128 | 1/1 | 0.99 | 0.14 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3572 | 1/1 | 0.99 | 0.19 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3573 | 1/1 | 0.99 | 0.22 | 10,10,10,10 | 0 |
| 55 | MG | 2A | 3053 | 1/1 | 0.99 | 0.23 | 37,37,37,37 | 0 |
| 55 | MG | 2A | 3300 | 1/1 | 0.99 | 0.06 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3614 | 1/1 | 0.99 | 0.42 | 32,32,32,32 | 0 |
| 55 | MG | 2A | 3775 | 1/1 | 0.99 | 0.09 | 35,35,35,35 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 2A | 3215 | 1/1 | 0.99 | 0.34 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3500 | 1/1 | 0.99 | 0.09 | 44,44,44,44 | 0 |
| 55 | MG | 23 | 101 | 1/1 | 0.99 | 0.25 | 56,56,56,56 | 0 |
| 55 | MG | 2A | 3134 | 1/1 | 0.99 | 0.10 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3305 | 1/1 | 0.99 | 0.10 | 31,31,31,31 | 0 |
| 55 | MG | 1a | 1700 | 1/1 | 0.99 | 0.04 | 75,75,75,75 | 0 |
| 55 | MG | 1A | 3316 | 1/1 | 0.99 | 0.02 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3105 | 1/1 | 0.99 | 0.35 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3381 | 1/1 | 0.99 | 0.13 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3856 | 1/1 | 0.99 | 0.12 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3578 | 1/1 | 0.99 | 0.25 | 26,26,26,26 | 0 |
| 55 | MG | 2A | 3312 | 1/1 | 0.99 | 0.10 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3917 | 1/1 | 0.99 | 0.18 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3750 | 1/1 | 0.99 | 0.10 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3315 | 1/1 | 0.99 | 0.18 | 25,25,25,25 | 0 |
| 55 | MG | 1A | 3661 | 1/1 | 0.99 | 0.10 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3662 | 1/1 | 0.99 | 0.06 | 36,36,36,36 | 0 |
| 55 | MG | 1a | 1710 | 1/1 | 0.99 | 0.06 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3021 | 1/1 | 0.99 | 0.21 | 26,26,26,26 | 0 |
| 55 | MG | 1A | 3208 | 1/1 | 0.99 | 0.34 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3805 | 1/1 | 0.99 | 0.04 | 34,34,34,34 | 0 |
| 55 | MG | 1A | 3200 | 1/1 | 0.99 | 0.37 | 23,23,23,23 | 0 |
| 55 | MG | 1A | 3066 | 1/1 | 0.99 | 0.40 | 23,23,23,23 | 0 |
| 55 | MG | 2a | 1711 | 1/1 | 0.99 | 0.03 | 62,62,62,62 | 0 |
| 55 | MG | 2A | 3234 | 1/1 | 0.99 | 0.11 | 29,29,29,29 | 0 |
| 55 | MG | 1A | 3473 | 1/1 | 0.99 | 0.04 | 20,20,20,20 | 0 |
| 55 | MG | 1A | 3386 | 1/1 | 0.99 | 0.12 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3810 | 1/1 | 0.99 | 0.03 | 35,35,35,35 | 0 |
| 55 | MG | 2A | 3899 | 1/1 | 0.99 | 0.05 | 29,29,29,29 | 0 |
| 55 | MG | 2D | 302 | 1/1 | 0.99 | 0.37 | 28,28,28,28 | 0 |
| 55 | MG | 2A | 3238 | 1/1 | 0.99 | 0.37 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3087 | 1/1 | 0.99 | 0.08 | 30,30,30,30 | 0 |
| 55 | MG | 1D | 308 | 1/1 | 0.99 | 0.46 | 27,27,27,27 | 0 |
| 55 | MG | 10 | 105 | 1/1 | 0.99 | 0.06 | 49,49,49,49 | 0 |
| 55 | MG | 2A | 3078 | 1/1 | 0.99 | 0.14 | 44,44,44,44 | 0 |
| 55 | MG | 1A | 3870 | 1/1 | 0.99 | 0.09 | 47,47,47,47 | 0 |
| 55 | MG | 1A | 3273 | 1/1 | 0.99 | 0.14 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3232 | 1/1 | 0.99 | 0.16 | 16,16,16,16 | 0 |
| 55 | MG | 1A | 3933 | 1/1 | 0.99 | 0.12 | 17,17,17,17 | 0 |
| 55 | MG | 1A | 3307 | 1/1 | 0.99 | 0.12 | 12,12,12,12 | 0 |
| 55 | MG | 2a | 1831 | 1/1 | 0.99 | 0.22 | 67,67,67,67 | 0 |
| 55 | MG | 1A | 3345 | 1/1 | 0.99 | 0.14 | 4,4,4,4 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3447 | 1/1 | 0.99 | 0.08 | 29,29,29,29 | 0 |
| 55 | MG | 2A | 3433 | 1/1 | 0.99 | 0.20 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3765 | 1/1 | 0.99 | 0.05 | 38,38,38,38 | 0 |
| 55 | MG | 2A | 3529 | 1/1 | 0.99 | 0.18 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3516 | 1/1 | 0.99 | 0.15 | 19,19,19,19 | 0 |
| 55 | MG | 1A | 3079 | 1/1 | 0.99 | 0.21 | 36,36,36,36 | 0 |
| 55 | MG | 1A | 3721 | 1/1 | 0.99 | 0.07 | 18,18,18,18 | 0 |
| 55 | MG | 2E | 304 | 1/1 | 0.99 | 0.09 | 16,16,16,16 | 0 |
| 55 | MG | 1E | 303 | 1/1 | 0.99 | 0.15 | 11,11,11,11 | 0 |
| 55 | MG | 2A | 3170 | 1/1 | 0.99 | 0.36 | 48,48,48,48 | 0 |
| 55 | MG | 1A | 3821 | 1/1 | 0.99 | 0.12 | 33,33,33,33 | 0 |
| 55 | MG | 1A | 3942 | 1/1 | 0.99 | 0.20 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3822 | 1/1 | 0.99 | 0.09 | 50,50,50,50 | 0 |
| 55 | MG | 1A | 3260 | 1/1 | 0.99 | 0.13 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3824 | 1/1 | 0.99 | 0.04 | 23,23,23,23 | 0 |
| 55 | MG | 2A | 3351 | 1/1 | 0.99 | 0.22 | 22,22,22,22 | 0 |
| 55 | MG | 1A | 3348 | 1/1 | 0.99 | 0.15 | 11,11,11,11 | 0 |
| 55 | MG | 1A | 3771 | 1/1 | 0.99 | 0.16 | 20,20,20,20 | 0 |
| 55 | MG | 2A | 3354 | 1/1 | 0.99 | 0.09 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3234 | 1/1 | 0.99 | 0.05 | 66,66,66,66 | 0 |
| 55 | MG | 1A | 3350 | 1/1 | 0.99 | 0.16 | 14,14,14,14 | 0 |
| 55 | MG | 2A | 3024 | 1/1 | 0.99 | 0.09 | 31,31,31,31 | 0 |
| 55 | MG | 1A | 3278 | 1/1 | 0.99 | 0.10 | 42,42,42,42 | 0 |
| 55 | MG | 1A | 3222 | 1/1 | 0.99 | 0.25 | 30,30,30,30 | 0 |
| 55 | MG | 1A | 3331 | 1/1 | 0.99 | 0.20 | 10,10,10,10 | 0 |
| 55 | MG | 1A | 3427 | 1/1 | 0.99 | 0.08 | 16,16,16,16 | 0 |
| 55 | MG | 2A | 3105 | 1/1 | 0.99 | 0.47 | 39,39,39,39 | 0 |
| 55 | MG | 1A | 3892 | 1/1 | 0.99 | 0.16 | 27,27,27,27 | 0 |
| 55 | MG | 1A | 3601 | 1/1 | 0.99 | 0.24 | 57,57,57,57 | 0 |
| 55 | MG | 1A | 3400 | 1/1 | 0.99 | 0.06 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3458 | 1/1 | 0.99 | 0.12 | 14,14,14,14 | 0 |
| 56 | ZN | 16 | 101 | 1/1 | 0.99 | 0.11 | 34,34,34,34 | 0 |
| 56 | ZN | 19 | 103 | 1/1 | 0.99 | 0.11 | 40,40,40,40 | 0 |
| 55 | MG | 2A | 3190 | 1/1 | 0.99 | 0.19 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3429 | 1/1 | 0.99 | 0.18 | 18,18,18,18 | 0 |
| 55 | MG | 1A | 3689 | 1/1 | 0.99 | 0.11 | 20,20,20,20 | 0 |
| 56 | ZN | 25 | 105 | 1/1 | 0.99 | 0.06 | 51,51,51,51 | 0 |
| 56 | ZN | 26 | 101 | 1/1 | 0.99 | 0.08 | 57,57,57,57 | 0 |
| 55 | MG | 2A | 3278 | 1/1 | 0.99 | 0.29 | 38,38,38,38 | 0 |
| 55 | MG | 1A | 3460 | 1/1 | 0.99 | 0.15 | 16,16,16,16 | 0 |
| 57 | SF4 | 1d | 302 | 8/8 | 0.99 | 0.13 | 46,61,71,75 | 0 |
| 57 | SF4 | 2d | 501 | 8/8 | 0.99 | 0.14 | 54,68,91,93 | 0 |

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| Mol | Type | Chain | Res | Atoms | RSCC | RSR | B-factors(\AA^2) | Q<0.9 |
|-----|------|-------|------|-------|------|------|-----------------------------|-------|
| 55 | MG | 1A | 3263 | 1/1 | 1.00 | 0.09 | 35,35,35,35 | 0 |
| 55 | MG | 1A | 3850 | 1/1 | 1.00 | 0.24 | 43,43,43,43 | 0 |
| 55 | MG | 1A | 3121 | 1/1 | 1.00 | 0.11 | 21,21,21,21 | 0 |
| 55 | MG | 1A | 3180 | 1/1 | 1.00 | 0.20 | 24,24,24,24 | 0 |
| 55 | MG | 1A | 3402 | 1/1 | 1.00 | 0.09 | 12,12,12,12 | 0 |
| 55 | MG | 1A | 3130 | 1/1 | 1.00 | 0.08 | 14,14,14,14 | 0 |

6.5 Other polymers [i](#)

There are no such residues in this entry.