



Full wwPDB EM Validation Report ⓘ

Dec 26, 2024 – 10:04 AM EST

PDB ID : 6L4U
EMDB ID : EMD-0835
Title : Structure of the PSI-FCPI supercomplex from diatom
Authors : Nagao, R.; Kato, K.; Miyazaki, N.; Akita, F.; Shen, J.R.
Deposited on : 2019-10-21
Resolution : 2.40 Å (reported)

This is a Full wwPDB EM Validation 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/EMValidationReportHelp>

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:

EMDB validation analysis : 0.0.1.dev113
Mogul : 2022.3.0, CSD as543be (2022)
MolProbity : 4.02b-467
buster-report : 1.1.7 (2018)
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.40

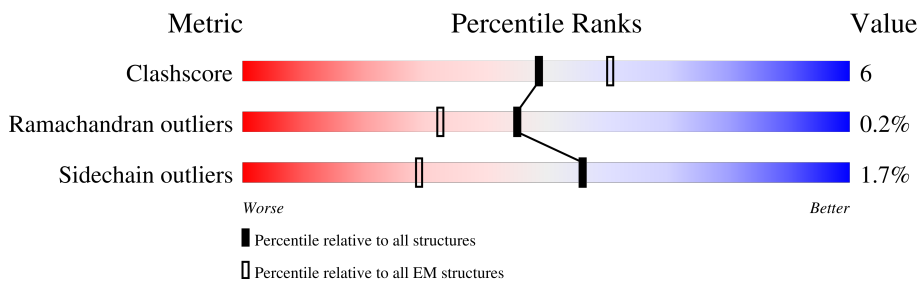
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 2.40 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) | EM structures (#Entries) |
|-----------------------|-----------------------------|-----------------------------|
| Clashscore | 210492 | 15764 |
| Ramachandran outliers | 207382 | 16835 |
| Sidechain outliers | 206894 | 16415 |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the 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 EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 1 | A | 751 | |
| 2 | B | 733 | |
| 3 | C | 81 | |
| 4 | D | 139 | |
| 5 | E | 67 | |
| 6 | F | 185 | |
| 7 | I | 36 | |
| 8 | J | 41 | |

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| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 9 | L | 151 | |
| 10 | M | 30 | |
| 11 | 1u | 130 | |
| 12 | 2u | 121 | |
| 13 | 1 | 227 | |
| 14 | 2 | 205 | |
| 15 | 3 | 200 | |
| 16 | 4 | 215 | |
| 17 | 5 | 266 | |
| 18 | 6 | 208 | |
| 19 | 7 | 296 | |
| 20 | 8 | 270 | |
| 21 | 9 | 214 | |
| 22 | 10 | 207 | |
| 23 | 11 | 229 | |
| 24 | 12 | 204 | |
| 25 | 13 | 244 | |
| 26 | 14 | 249 | |
| 27 | 15 | 281 | |
| 28 | 16 | 218 | |

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 |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 29 | CL0 | A | 801 | X | - | - | - |
| 30 | CLA | 1 | 301 | X | - | - | - |
| 30 | CLA | 1 | 302 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 30 | CLA | 1 | 303 | X | - | - | - |
| 30 | CLA | 1 | 304 | X | - | - | - |
| 30 | CLA | 1 | 305 | X | - | - | - |
| 30 | CLA | 10 | 303 | X | - | - | - |
| 30 | CLA | 10 | 304 | X | - | - | - |
| 30 | CLA | 10 | 305 | X | - | - | - |
| 30 | CLA | 10 | 307 | X | - | - | - |
| 30 | CLA | 10 | 308 | X | - | - | - |
| 30 | CLA | 10 | 309 | X | - | - | - |
| 30 | CLA | 11 | 304 | X | - | - | - |
| 30 | CLA | 11 | 306 | X | - | - | - |
| 30 | CLA | 11 | 308 | X | - | - | - |
| 30 | CLA | 11 | 310 | X | - | - | - |
| 30 | CLA | 12 | 303 | X | - | - | - |
| 30 | CLA | 12 | 304 | X | - | - | - |
| 30 | CLA | 12 | 306 | X | - | - | - |
| 30 | CLA | 12 | 307 | X | - | - | - |
| 30 | CLA | 12 | 308 | X | - | - | - |
| 30 | CLA | 12 | 312 | X | - | - | - |
| 30 | CLA | 12 | 321 | X | - | - | - |
| 30 | CLA | 13 | 301 | X | - | - | - |
| 30 | CLA | 13 | 302 | X | - | - | - |
| 30 | CLA | 13 | 307 | X | - | - | - |
| 30 | CLA | 13 | 309 | X | - | - | - |
| 30 | CLA | 14 | 302 | X | - | - | - |
| 30 | CLA | 14 | 303 | X | - | - | - |
| 30 | CLA | 14 | 304 | X | - | - | - |
| 30 | CLA | 14 | 305 | X | - | - | - |
| 30 | CLA | 14 | 309 | X | - | - | - |
| 30 | CLA | 14 | 310 | X | - | - | - |
| 30 | CLA | 14 | 313 | X | - | - | - |
| 30 | CLA | 15 | 303 | X | - | - | - |
| 30 | CLA | 15 | 304 | X | - | - | - |
| 30 | CLA | 15 | 305 | X | - | - | - |
| 30 | CLA | 15 | 306 | X | - | - | - |
| 30 | CLA | 15 | 307 | X | - | - | - |
| 30 | CLA | 15 | 308 | X | - | - | - |
| 30 | CLA | 15 | 310 | X | - | - | - |
| 30 | CLA | 15 | 311 | X | - | - | - |
| 30 | CLA | 15 | 312 | X | - | - | - |
| 30 | CLA | 16 | 302 | X | - | - | - |
| 30 | CLA | 16 | 303 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 30 | CLA | 16 | 305 | X | - | - | - |
| 30 | CLA | 16 | 306 | X | - | - | - |
| 30 | CLA | 16 | 307 | X | - | - | - |
| 30 | CLA | 16 | 308 | X | - | - | - |
| 30 | CLA | 16 | 310 | X | - | - | - |
| 30 | CLA | 2 | 301 | X | - | - | - |
| 30 | CLA | 2 | 304 | X | - | - | - |
| 30 | CLA | 2 | 305 | X | - | - | - |
| 30 | CLA | 2 | 307 | X | - | - | - |
| 30 | CLA | 2 | 309 | X | - | - | - |
| 30 | CLA | 2 | 310 | X | - | - | - |
| 30 | CLA | 2u | 202 | X | - | - | - |
| 30 | CLA | 3 | 301 | X | - | - | - |
| 30 | CLA | 3 | 302 | X | - | - | - |
| 30 | CLA | 3 | 303 | X | - | - | - |
| 30 | CLA | 3 | 305 | X | - | - | - |
| 30 | CLA | 3 | 306 | X | - | - | - |
| 30 | CLA | 3 | 307 | X | - | - | - |
| 30 | CLA | 4 | 301 | X | - | - | - |
| 30 | CLA | 4 | 302 | X | - | - | - |
| 30 | CLA | 4 | 303 | X | - | - | - |
| 30 | CLA | 4 | 304 | X | - | - | - |
| 30 | CLA | 4 | 305 | X | - | - | - |
| 30 | CLA | 4 | 306 | X | - | - | - |
| 30 | CLA | 4 | 309 | X | - | - | - |
| 30 | CLA | 4 | 311 | X | - | - | - |
| 30 | CLA | 5 | 302 | X | - | - | - |
| 30 | CLA | 5 | 303 | X | - | - | - |
| 30 | CLA | 5 | 304 | X | - | - | - |
| 30 | CLA | 5 | 307 | X | - | - | - |
| 30 | CLA | 5 | 309 | X | - | - | - |
| 30 | CLA | 5 | 311 | X | - | - | - |
| 30 | CLA | 6 | 304 | X | - | - | - |
| 30 | CLA | 6 | 305 | X | - | - | - |
| 30 | CLA | 6 | 306 | X | - | - | - |
| 30 | CLA | 6 | 307 | X | - | - | - |
| 30 | CLA | 6 | 309 | X | - | - | - |
| 30 | CLA | 6 | 310 | X | - | - | - |
| 30 | CLA | 6 | 315 | X | - | - | - |
| 30 | CLA | 6 | 316 | X | - | - | - |
| 30 | CLA | 6 | 317 | X | - | - | - |
| 30 | CLA | 7 | 303 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 30 | CLA | 7 | 304 | X | - | - | - |
| 30 | CLA | 7 | 305 | X | - | - | - |
| 30 | CLA | 7 | 306 | X | - | - | - |
| 30 | CLA | 7 | 309 | X | - | - | - |
| 30 | CLA | 7 | 311 | X | - | - | - |
| 30 | CLA | 7 | 312 | X | - | - | - |
| 30 | CLA | 8 | 301 | X | - | - | - |
| 30 | CLA | 8 | 302 | X | - | - | - |
| 30 | CLA | 8 | 304 | X | - | - | - |
| 30 | CLA | 8 | 308 | X | - | - | - |
| 30 | CLA | 9 | 301 | X | - | - | - |
| 30 | CLA | 9 | 302 | X | - | - | - |
| 30 | CLA | 9 | 305 | X | - | - | - |
| 30 | CLA | 9 | 306 | X | - | - | - |
| 30 | CLA | 9 | 307 | X | - | - | - |
| 30 | CLA | 9 | 308 | X | - | - | - |
| 30 | CLA | 9 | 309 | X | - | - | - |
| 30 | CLA | A | 802 | X | - | - | - |
| 30 | CLA | A | 803 | X | - | - | - |
| 30 | CLA | A | 804 | X | - | - | - |
| 30 | CLA | A | 805 | X | - | - | - |
| 30 | CLA | A | 806 | X | - | - | - |
| 30 | CLA | A | 807 | X | - | - | - |
| 30 | CLA | A | 808 | X | - | - | - |
| 30 | CLA | A | 809 | X | - | - | - |
| 30 | CLA | A | 810 | X | - | - | - |
| 30 | CLA | A | 811 | X | - | - | - |
| 30 | CLA | A | 812 | X | - | - | - |
| 30 | CLA | A | 813 | X | - | - | - |
| 30 | CLA | A | 814 | X | - | - | - |
| 30 | CLA | A | 815 | X | - | - | - |
| 30 | CLA | A | 816 | X | - | - | - |
| 30 | CLA | A | 820 | X | - | - | - |
| 30 | CLA | A | 821 | X | - | - | - |
| 30 | CLA | A | 822 | X | - | - | - |
| 30 | CLA | A | 824 | X | - | - | - |
| 30 | CLA | A | 825 | X | - | - | - |
| 30 | CLA | A | 826 | X | - | - | - |
| 30 | CLA | A | 827 | X | - | - | - |
| 30 | CLA | A | 828 | X | - | - | - |
| 30 | CLA | A | 829 | X | - | - | - |
| 30 | CLA | A | 830 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 30 | CLA | A | 831 | X | - | - | - |
| 30 | CLA | A | 833 | X | - | - | - |
| 30 | CLA | A | 834 | X | - | - | - |
| 30 | CLA | A | 835 | X | - | - | - |
| 30 | CLA | A | 836 | X | - | - | - |
| 30 | CLA | A | 837 | X | - | - | - |
| 30 | CLA | A | 838 | X | - | - | - |
| 30 | CLA | A | 839 | X | - | - | - |
| 30 | CLA | A | 840 | X | - | - | - |
| 30 | CLA | A | 841 | X | - | - | - |
| 30 | CLA | A | 842 | X | - | - | - |
| 30 | CLA | A | 843 | X | - | - | - |
| 30 | CLA | A | 844 | X | - | - | - |
| 30 | CLA | B | 801 | X | - | - | - |
| 30 | CLA | B | 802 | X | - | - | - |
| 30 | CLA | B | 803 | X | - | - | - |
| 30 | CLA | B | 804 | X | - | - | - |
| 30 | CLA | B | 805 | X | - | - | - |
| 30 | CLA | B | 806 | X | - | - | - |
| 30 | CLA | B | 807 | X | - | - | - |
| 30 | CLA | B | 808 | X | - | - | - |
| 30 | CLA | B | 809 | X | - | - | - |
| 30 | CLA | B | 810 | X | - | - | - |
| 30 | CLA | B | 811 | X | - | - | - |
| 30 | CLA | B | 812 | X | - | - | - |
| 30 | CLA | B | 813 | X | - | - | - |
| 30 | CLA | B | 814 | X | - | - | - |
| 30 | CLA | B | 815 | X | - | - | - |
| 30 | CLA | B | 817 | X | - | - | - |
| 30 | CLA | B | 818 | X | - | - | - |
| 30 | CLA | B | 819 | X | - | - | - |
| 30 | CLA | B | 821 | X | - | - | - |
| 30 | CLA | B | 823 | X | - | - | - |
| 30 | CLA | B | 824 | X | - | - | - |
| 30 | CLA | B | 825 | X | - | - | - |
| 30 | CLA | B | 826 | X | - | - | - |
| 30 | CLA | B | 827 | X | - | - | - |
| 30 | CLA | B | 828 | X | - | - | - |
| 30 | CLA | B | 829 | X | - | - | - |
| 30 | CLA | B | 830 | X | - | - | - |
| 30 | CLA | B | 832 | X | - | - | - |
| 30 | CLA | B | 833 | X | - | - | - |

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| Mol | Type | Chain | Res | Chirality | Geometry | Clashes | Electron density |
|-----|------|-------|-----|-----------|----------|---------|------------------|
| 30 | CLA | B | 834 | X | - | - | - |
| 30 | CLA | B | 835 | X | - | - | - |
| 30 | CLA | B | 836 | X | - | - | - |
| 30 | CLA | B | 837 | X | - | - | - |
| 30 | CLA | B | 838 | X | - | - | - |
| 30 | CLA | B | 839 | X | - | - | - |
| 30 | CLA | F | 201 | X | - | - | - |
| 30 | CLA | F | 202 | X | - | - | - |
| 30 | CLA | F | 203 | X | - | - | - |
| 30 | CLA | J | 101 | X | - | - | - |
| 30 | CLA | L | 202 | X | - | - | - |
| 30 | CLA | L | 203 | X | - | - | - |

2 Entry composition [i](#)

There are 40 unique types of molecules in this entry. The entry contains 62199 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, 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 protein called Photosystem I P700 chlorophyll a apoprotein A1.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|------|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 1 | A | 741 | 5841 | 3816 | 991 | 1005 | 29 | 0 | 0 |

- Molecule 2 is a protein called Photosystem I P700 chlorophyll a apoprotein A2.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 2 | B | 731 | 5801 | 3814 | 977 | 992 | 18 | 0 | 0 |

- Molecule 3 is a protein called Photosystem I iron-sulfur center.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 3 | C | 80 | 599 | 368 | 103 | 118 | 10 | 0 | 0 |

- Molecule 4 is a protein called Photosystem I reaction center subunit II.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 4 | D | 131 | 1037 | 663 | 177 | 194 | 3 | 0 | 0 |

- Molecule 5 is a protein called Photosystem I reaction center subunit IV.

| Mol | Chain | Residues | Atoms | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---------|-------|
| | | | Total | C | N | O | | |
| 5 | E | 60 | 478 | 302 | 86 | 90 | 0 | 0 |

- Molecule 6 is a protein called Photosystem I reaction center subunit III.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 6 | F | 161 | 1257 | 806 | 213 | 234 | 4 | 0 | 0 |

- Molecule 7 is a protein called Photosystem I reaction center subunit VIII.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 7 | I | 35 | 273 | 190 | 37 | 44 | 2 | 0 | 0 |

- Molecule 8 is a protein called Photosystem I reaction center subunit IX.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 8 | J | 41 | 344 | 236 | 50 | 55 | 3 | 0 | 0 |

- Molecule 9 is a protein called Photosystem I reaction center subunit XI.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 9 | L | 137 | 1030 | 680 | 169 | 179 | 2 | 0 | 0 |

- Molecule 10 is a protein called Photosystem I reaction center subunit XII.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|----|----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 10 | M | 30 | 227 | 151 | 35 | 40 | 1 | 0 | 0 |

- Molecule 11 is a protein called Unknown protein 1.

| Mol | Chain | Residues | Atoms | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|-------|
| | | | Total | C | N | O | | |
| 11 | 1u | 130 | 650 | 390 | 130 | 130 | 0 | 0 |

- Molecule 12 is a protein called Photosystem I reaction center subunit Psa28.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 12 | 2u | 89 | 674 | 438 | 110 | 120 | 6 | 0 | 0 |

- Molecule 13 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr15.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 13 | 1 | 141 | 1086 | 692 | 184 | 201 | 9 | 0 | 0 |

- Molecule 14 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr8.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 14 | 2 | 172 | 1310 | 846 | 216 | 238 | 10 | 0 | 0 |

- Molecule 15 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr2.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 15 | 3 | 164 | 1275 | 825 | 213 | 232 | 5 | 0 | 0 |

- Molecule 16 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr9.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 16 | 4 | 179 | 1368 | 878 | 227 | 250 | 13 | 0 | 0 |

- Molecule 17 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr11.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 17 | 5 | 169 | 1304 | 834 | 222 | 236 | 12 | 0 | 0 |

- Molecule 18 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr12.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 18 | 6 | 174 | 1354 | 884 | 216 | 246 | 8 | 0 | 0 |

- Molecule 19 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr10.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|----|---------|-------|
| | | | Total | C | N | O | S | | |
| 19 | 7 | 188 | 1416 | 894 | 240 | 266 | 16 | 0 | 0 |

- Molecule 20 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcr4.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 20 | 8 | 213 | 1660 | 1075 | 274 | 302 | 9 | 0 | 0 |

- Molecule 21 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcf6.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 21 | 9 | 163 | 1267 | 816 | 211 | 233 | 7 | 0 | 0 |

- Molecule 22 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhc3.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 22 | 10 | 169 | 1302 | 849 | 212 | 233 | 8 | 0 | 0 |

- Molecule 23 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq13.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 23 | 11 | 191 | 1479 | 958 | 243 | 270 | 8 | 0 | 0 |

- Molecule 24 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq3.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 24 | 12 | 173 | 1274 | 814 | 209 | 243 | 8 | 0 | 0 |

- Molecule 25 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq11.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 25 | 13 | 150 | 1148 | 736 | 203 | 204 | 5 | 0 | 0 |

- Molecule 26 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq10.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 26 | 14 | 208 | 1609 | 1049 | 262 | 292 | 6 | 0 | 0 |

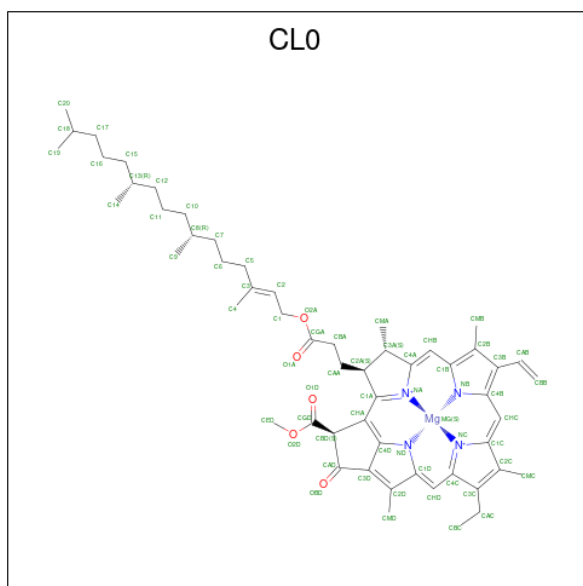
- Molecule 27 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq8.

| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 27 | 15 | 211 | 1654 | 1077 | 273 | 298 | 6 | 0 | 0 |

- Molecule 28 is a protein called Fucoxanthin chlorophyll a/c-binding protein Lhcq5.

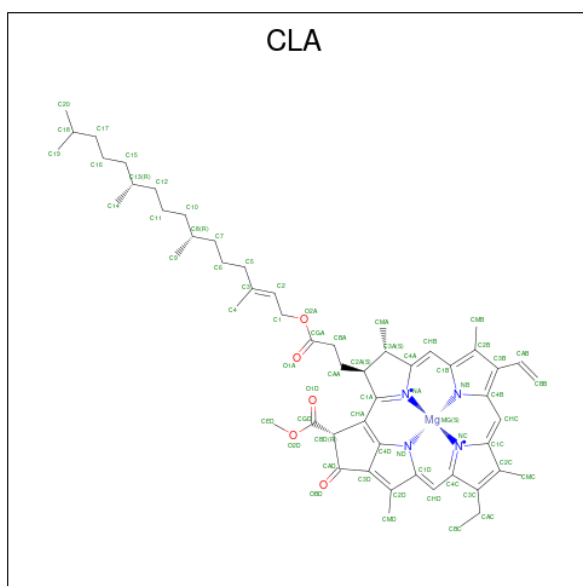
| Mol | Chain | Residues | Atoms | | | | | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| | | | Total | C | N | O | S | | |
| 28 | 16 | 174 | 1313 | 846 | 217 | 242 | 8 | 0 | 0 |

- Molecule 29 is CHLOROPHYLL A ISOMER (three-letter code: CL0) (formula: $C_{55}H_{72}MgN_4O_5$).



| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 29 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

- Molecule 30 is CHLOROPHYLL A (three-letter code: CLA) (formula: $C_{55}H_{72}MgN_4O_5$).



| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------------|---------|---------|--------|--------|---------|
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 59 | C 49 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 51 | C 41 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 60 | C 50 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 49 | C 39 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 54 | C 44 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 54 | C 44 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 61 | C 51 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | A | 1 | Total 49 | C 39 | Mg 1 | N 4 | O 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | A | 1 | 51 | 41 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 59 | 49 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 50 | 40 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 54 | 44 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 51 | 41 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 47 | 37 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | A | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 52 | 42 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 55 | 45 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 55 | 45 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 59 | 49 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 60 | 50 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 55 | 45 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 54 | 44 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 58 | 48 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 60 | 50 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 47 | 37 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | B | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | F | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | F | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | F | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | J | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | L | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | L | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 2u | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 1 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 55 | 45 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 2 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | 3 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 60 | 50 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 62 | 52 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 3 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 49 | 39 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 60 | 50 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 4 | 1 | 50 | 40 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 5 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 55 | 45 | 1 | 4 | 5 | 0 |
| 30 | 6 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 7 | 1 | 46 | 36 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | 8 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 58 | 48 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 55 | 45 | 1 | 4 | 5 | 0 |
| 30 | 8 | 1 | 47 | 37 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 51 | 41 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 9 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 10 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------------|---------|---------|--------|--------|---------|
| | | | Total | C | Mg | N | O | |
| 30 | 10 | 1 | Total 45 | C 35 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 11 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 11 | 1 | Total 55 | C 45 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 11 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 11 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 11 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 46 | C 36 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 12 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 45 | C 35 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 65 | C 55 | Mg 1 | N 4 | O 5 | 0 |
| 30 | 13 | 1 | Total 45 | C 35 | Mg 1 | N 4 | O 5 | 0 |

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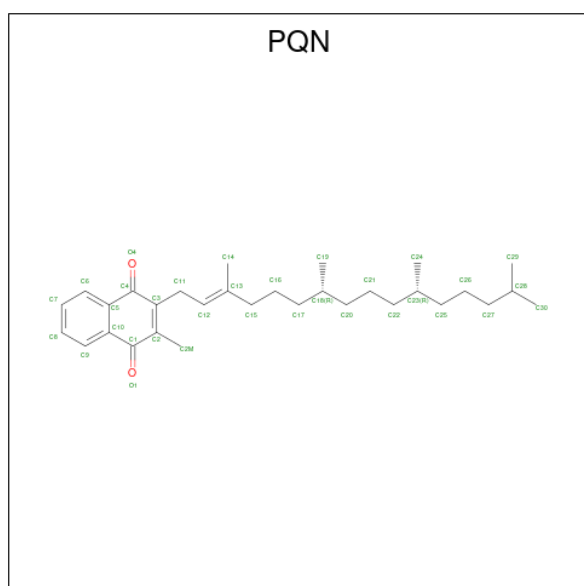
| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 30 | 14 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 57 | 47 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 50 | 40 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 50 | 40 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 14 | 1 | 46 | 36 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 60 | 50 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 50 | 40 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 30 | 15 | 1 | 65 | 55 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| 30 | 15 | 1 | Total | C | Mg | N | O | 0 |
| | | | 45 | 35 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 65 | 55 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 65 | 55 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 65 | 55 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 50 | 40 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 52 | 42 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 46 | 36 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 45 | 35 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 45 | 35 | 1 | 4 | 5 | |
| 30 | 16 | 1 | Total | C | Mg | N | O | 0 |
| | | | 45 | 35 | 1 | 4 | 5 | |

- Molecule 31 is PHYLLOQUINONE (three-letter code: PQN) (formula: C₃₁H₄₆O₂).



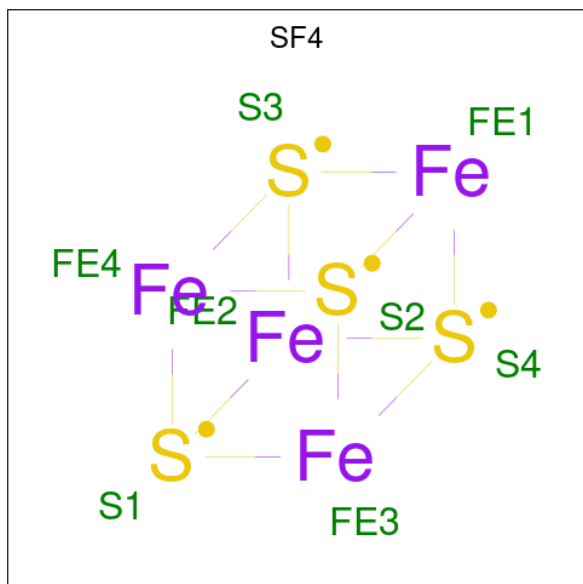
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| 31 | A | 1 | Total | C | O | 0 |
| | | | 33 | 31 | 2 | |

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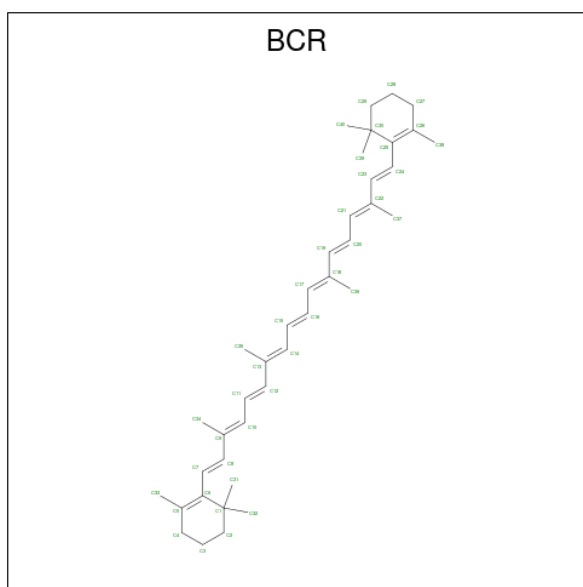
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | C | O | |
| 31 | B | 1 | 33 | 31 | 2 | 0 |

- Molecule 32 is IRON/SULFUR CLUSTER (three-letter code: SF4) (formula: Fe₄S₄).



| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | Fe | S | |
| 32 | A | 1 | 8 | 4 | 4 | 0 |
| 32 | C | 1 | 8 | 4 | 4 | 0 |
| 32 | C | 1 | 8 | 4 | 4 | 0 |

- Molecule 33 is BETA-CAROTENE (three-letter code: BCR) (formula: C₄₀H₅₆).



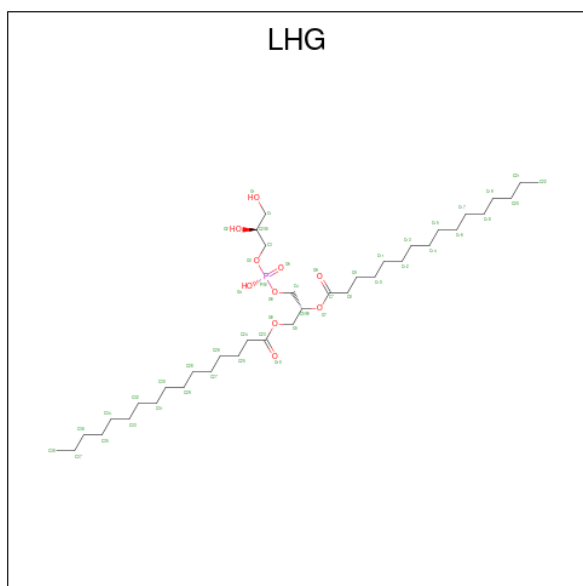
| Mol | Chain | Residues | Atoms | AltConf |
|-----|-------|----------|------------------|---------|
| 33 | A | 1 | Total C 40 40 | 0 |
| 33 | A | 1 | Total C 40 40 | 0 |
| 33 | A | 1 | Total C 40 40 | 0 |
| 33 | A | 1 | Total C 40 40 | 0 |
| 33 | A | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | B | 1 | Total C 40 40 | 0 |
| 33 | F | 1 | Total C 40 40 | 0 |
| 33 | I | 1 | Total C 40 40 | 0 |
| 33 | J | 1 | Total C 40 40 | 0 |

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| Mol | Chain | Residues | Atoms | AltConf |
|-----|-------|----------|------------------|---------|
| 33 | J | 1 | Total C 40 40 | 0 |
| 33 | L | 1 | Total C 40 40 | 0 |
| 33 | L | 1 | Total C 40 40 | 0 |
| 33 | L | 1 | Total C 40 40 | 0 |
| 33 | M | 1 | Total C 40 40 | 0 |
| 33 | 2u | 1 | Total C 40 40 | 0 |

- Molecule 34 is 1,2-DIPALMITOYL-PHOSPHATIDYL-GLYCEROLE (three-letter code: LHG) (formula: $C_{38}H_{75}O_{10}P$).



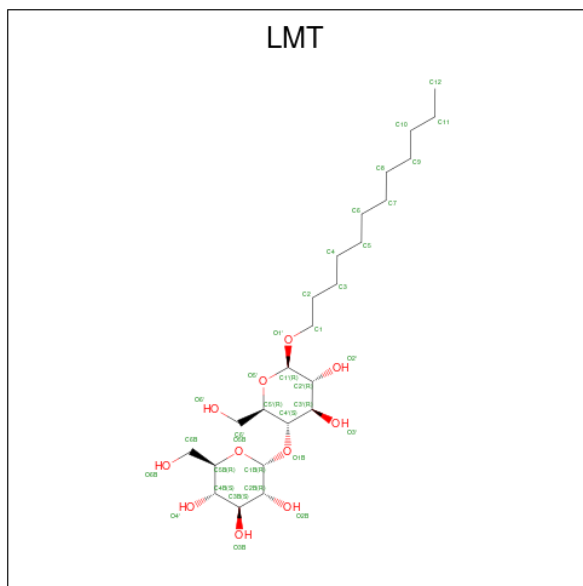
| Mol | Chain | Residues | Atoms | AltConf |
|-----|-------|----------|---------------------------|---------|
| 34 | A | 1 | Total C O P 49 38 10 1 | 0 |
| 34 | A | 1 | Total C O P 27 16 10 1 | 0 |
| 34 | B | 1 | Total C O P 27 16 10 1 | 0 |
| 34 | 2 | 1 | Total C O P 27 16 10 1 | 0 |
| 34 | 5 | 1 | Total C O P 27 16 10 1 | 0 |

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| Mol | Chain | Residues | Atoms | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---------|
| | | | Total | C | O | P | |
| 34 | 6 | 1 | Total | C | O | P | 0 |
| | | | 27 | 16 | 10 | 1 | |
| 34 | 9 | 1 | Total | C | O | P | 0 |
| | | | 34 | 23 | 10 | 1 | |

- Molecule 35 is DODECYL-BETA-D-MALTOSE (three-letter code: LMT) (formula: $C_{24}H_{46}O_{11}$).



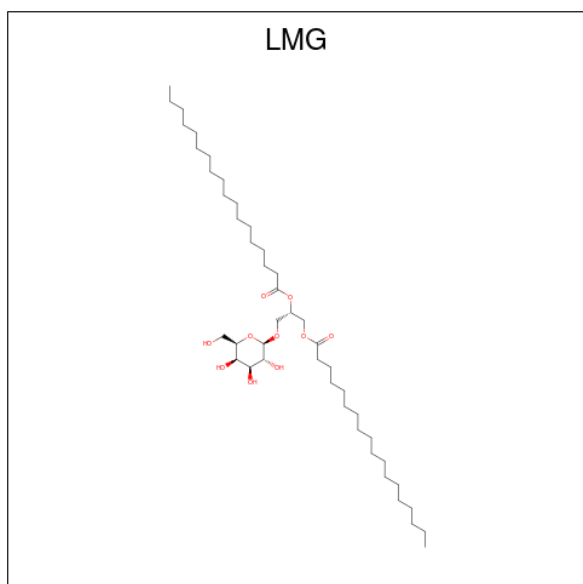
| Mol | Chain | Residues | Atoms | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---------|
| | | | Total | C | O | P | |
| 35 | A | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | A | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | A | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | B | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | B | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | 1 | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | 6 | 1 | Total | C | O | 0 | |
| | | | 31 | 20 | 11 | | |
| 35 | 7 | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |
| 35 | 7 | 1 | Total | C | O | 0 | |
| | | | 35 | 24 | 11 | | |

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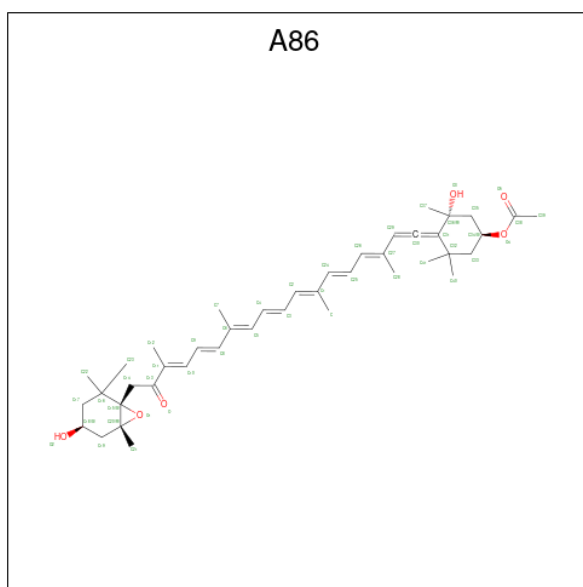
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------------|---------|---------|---------|
| | | | Total | C | O | |
| 35 | 8 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 9 | 1 | Total 32 | C 21 | O 11 | 0 |
| 35 | 11 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 11 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 11 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 11 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 12 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 12 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 12 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 12 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 15 | 1 | Total 35 | C 24 | O 11 | 0 |
| 35 | 16 | 1 | Total 35 | C 24 | O 11 | 0 |

- Molecule 36 is 1,2-DISTEAROYL-MONOGALACTOSYL-DIGLYCERIDE (three-letter code: LMG) (formula: $C_{45}H_{86}O_{10}$).



| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|----|---------|
| 36 | A | 1 | Total | C | O | 0 |
| | | | 34 | 24 | 10 | |
| 36 | B | 1 | Total | C | O | 0 |
| | | | 55 | 45 | 10 | |
| 36 | B | 1 | Total | C | O | 0 |
| | | | 43 | 33 | 10 | |
| 36 | F | 1 | Total | C | O | 0 |
| | | | 27 | 17 | 10 | |
| 36 | 2u | 1 | Total | C | O | 0 |
| | | | 31 | 21 | 10 | |
| 36 | 3 | 1 | Total | C | O | 0 |
| | | | 37 | 27 | 10 | |
| 36 | 5 | 1 | Total | C | O | 0 |
| | | | 33 | 23 | 10 | |
| 36 | 6 | 1 | Total | C | O | 0 |
| | | | 33 | 23 | 10 | |
| 36 | 7 | 1 | Total | C | O | 0 |
| | | | 37 | 27 | 10 | |
| 36 | 8 | 1 | Total | C | O | 0 |
| | | | 37 | 27 | 10 | |
| 36 | 8 | 1 | Total | C | O | 0 |
| | | | 42 | 32 | 10 | |
| 36 | 8 | 1 | Total | C | O | 0 |
| | | | 29 | 19 | 10 | |
| 36 | 14 | 1 | Total | C | O | 0 |
| | | | 38 | 28 | 10 | |

- Molecule 37 is (3S,3'S,5R,5'R,6S,6'R,8'R)-3,5'-dihydroxy-8-oxo-6',7'-didehydro-5,5',6,6',7,8-hexahydro-5,6-epoxy-beta,beta-caroten-3'-yl acetate (three-letter code: A86) (formula: C₄₂H₅₈O₆).



| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| 37 | 2u | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 2u | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 1 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 2 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 2 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 2 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 3 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 3 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 4 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 4 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 4 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 4 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 5 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |
| 37 | 5 | 1 | Total | C | O | 0 |
| | | | 48 | 42 | 6 | |

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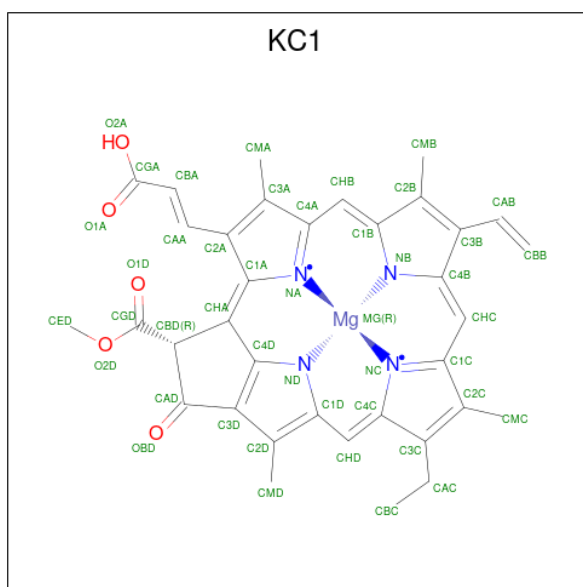
| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | C | O | |
| 37 | 5 | 1 | 48 | 42 | 6 | 0 |
| 37 | 6 | 1 | 48 | 42 | 6 | 0 |
| 37 | 7 | 1 | 48 | 42 | 6 | 0 |
| 37 | 7 | 1 | 48 | 42 | 6 | 0 |
| 37 | 7 | 1 | 48 | 42 | 6 | 0 |
| 37 | 8 | 1 | 48 | 42 | 6 | 0 |
| 37 | 8 | 1 | 48 | 42 | 6 | 0 |
| 37 | 9 | 1 | 48 | 42 | 6 | 0 |
| 37 | 9 | 1 | 48 | 42 | 6 | 0 |
| 37 | 9 | 1 | 48 | 42 | 6 | 0 |
| 37 | 10 | 1 | 48 | 42 | 6 | 0 |
| 37 | 10 | 1 | 48 | 42 | 6 | 0 |
| 37 | 10 | 1 | 48 | 42 | 6 | 0 |
| 37 | 10 | 1 | 48 | 42 | 6 | 0 |
| 37 | 10 | 1 | 48 | 42 | 6 | 0 |
| 37 | 11 | 1 | 48 | 42 | 6 | 0 |
| 37 | 11 | 1 | 48 | 42 | 6 | 0 |
| 37 | 11 | 1 | 48 | 42 | 6 | 0 |
| 37 | 11 | 1 | 48 | 42 | 6 | 0 |
| 37 | 12 | 1 | 48 | 42 | 6 | 0 |
| 37 | 12 | 1 | 48 | 42 | 6 | 0 |

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| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | C | O | |
| 37 | 13 | 1 | 45 | 40 | 5 | 0 |
| 37 | 13 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 14 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 15 | 1 | 48 | 42 | 6 | 0 |
| 37 | 16 | 1 | 48 | 42 | 6 | 0 |
| 37 | 16 | 1 | 48 | 42 | 6 | 0 |

- Molecule 38 is Chlorophyll c1 (three-letter code: KC1) (formula: $C_{35}H_{30}MgN_4O_5$).



| Mol | Chain | Residues | Atoms | | | | AltConf | |
|-----|-------|----------|-------|----|----|---|---------|---|
| | | | Total | C | Mg | N | | O |
| 38 | 1 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 1 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 2 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 2 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 2 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 3 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 3 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 3 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 4 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 4 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 4 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 5 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 5 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 5 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |

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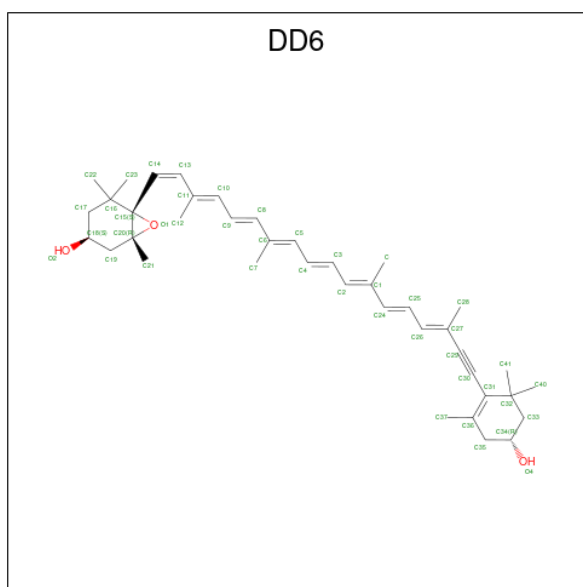
| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 38 | 5 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 6 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 6 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 6 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 6 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 7 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 7 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 8 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 9 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 9 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 9 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 9 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 10 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 10 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 10 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |

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| Mol | Chain | Residues | Atoms | | | | | AltConf |
|-----|-------|----------|-------|----|----|---|---|---------|
| | | | Total | C | Mg | N | O | |
| 38 | 11 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 11 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 11 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 11 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 12 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 12 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 12 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 12 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 13 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 14 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 16 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |
| 38 | 16 | 1 | 45 | 35 | 1 | 4 | 5 | 0 |

- Molecule 39 is (3S,3'R,5R,6S,7cis)-7',8'-didehydro-5,6-dihydro-5,6-epoxy-beta,beta-carotene-3,3'-diol (three-letter code: DD6) (formula: C₄₀H₅₄O₃).



| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| 39 | 1 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 2 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 2 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 2 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 3 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 3 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 3 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 4 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 4 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 5 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 5 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 6 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 6 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |
| 39 | 6 | 1 | Total | C | O | 0 |
| | | | 43 | 40 | 3 | |

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| Mol | Chain | Residues | Atoms | | | AltConf |
|-----|-------|----------|-------|----|---|---------|
| | | | Total | C | O | |
| 39 | 6 | 1 | 43 | 40 | 3 | 0 |
| 39 | 7 | 1 | 43 | 40 | 3 | 0 |
| 39 | 7 | 1 | 43 | 40 | 3 | 0 |
| 39 | 7 | 1 | 43 | 40 | 3 | 0 |
| 39 | 7 | 1 | 43 | 40 | 3 | 0 |
| 39 | 8 | 1 | 43 | 40 | 3 | 0 |
| 39 | 8 | 1 | 43 | 40 | 3 | 0 |
| 39 | 9 | 1 | 43 | 40 | 3 | 0 |
| 39 | 10 | 1 | 43 | 40 | 3 | 0 |
| 39 | 10 | 1 | 43 | 40 | 3 | 0 |
| 39 | 11 | 1 | 43 | 40 | 3 | 0 |
| 39 | 12 | 1 | 43 | 40 | 3 | 0 |
| 39 | 12 | 1 | 43 | 40 | 3 | 0 |
| 39 | 13 | 1 | 43 | 40 | 3 | 0 |
| 39 | 15 | 1 | 43 | 40 | 3 | 0 |
| 39 | 15 | 1 | 43 | 40 | 3 | 0 |
| 39 | 16 | 1 | 43 | 40 | 3 | 0 |

- Molecule 40 is water.

| Mol | Chain | Residues | Atoms | | AltConf |
|-----|-------|----------|-------|----|---------|
| 40 | A | 42 | Total | O | 0 |
| | | | 42 | 42 | |
| 40 | B | 53 | Total | O | 0 |
| | | | 53 | 53 | |

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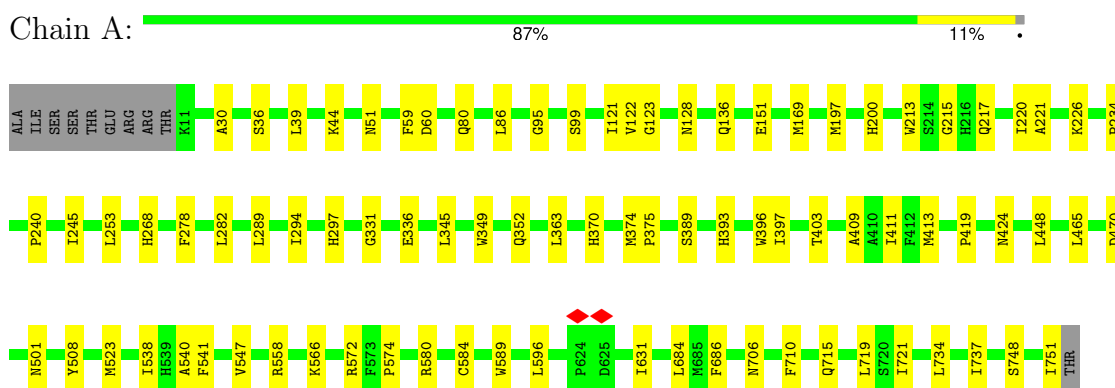
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| Mol | Chain | Residues | Atoms | | AltConf |
|-----|-------|----------|-------------|---------|---------|
| 40 | C | 15 | Total 15 | O 15 | 0 |
| 40 | D | 13 | Total 13 | O 13 | 0 |
| 40 | E | 3 | Total 3 | O 3 | 0 |
| 40 | F | 3 | Total 3 | O 3 | 0 |
| 40 | I | 1 | Total 1 | O 1 | 0 |
| 40 | L | 8 | Total 8 | O 8 | 0 |
| 40 | 1 | 1 | Total 1 | O 1 | 0 |
| 40 | 2 | 2 | Total 2 | O 2 | 0 |
| 40 | 3 | 1 | Total 1 | O 1 | 0 |
| 40 | 5 | 1 | Total 1 | O 1 | 0 |
| 40 | 6 | 2 | Total 2 | O 2 | 0 |
| 40 | 7 | 2 | Total 2 | O 2 | 0 |
| 40 | 8 | 4 | Total 4 | O 4 | 0 |
| 40 | 9 | 1 | Total 1 | O 1 | 0 |
| 40 | 10 | 1 | Total 1 | O 1 | 0 |
| 40 | 11 | 1 | Total 1 | O 1 | 0 |
| 40 | 12 | 2 | Total 2 | O 2 | 0 |

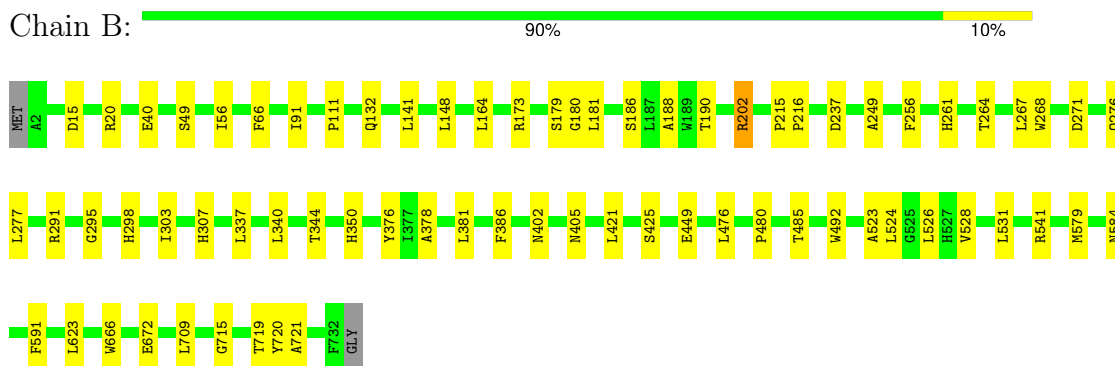
3 Residue-property plots

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 atom inclusion in map 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 diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). 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.

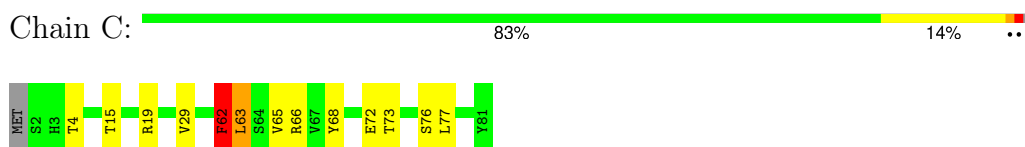
- Molecule 1: Photosystem I P700 chlorophyll a apoprotein A1



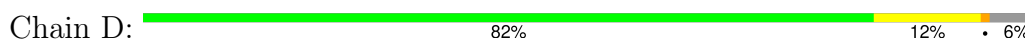
- Molecule 2: Photosystem I P700 chlorophyll a apoprotein A2



- Molecule 3: Photosystem I iron-sulfur center

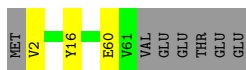
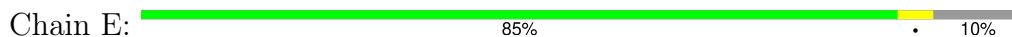


- Molecule 4: Photosystem I reaction center subunit II

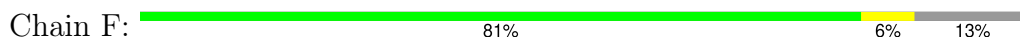




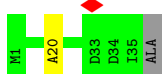
- Molecule 5: Photosystem I reaction center subunit IV



- Molecule 6: Photosystem I reaction center subunit III



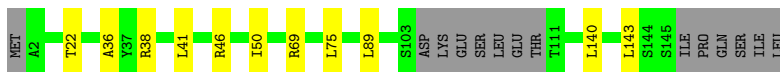
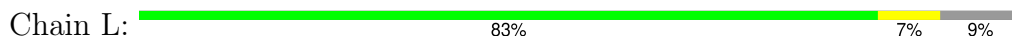
- Molecule 7: Photosystem I reaction center subunit VIII



- Molecule 8: Photosystem I reaction center subunit IX



- Molecule 9: Photosystem I reaction center subunit XI

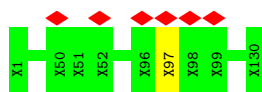


- Molecule 10: Photosystem I reaction center subunit XII



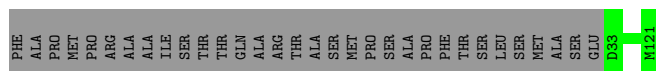
- Molecule 11: Unknown protein 1





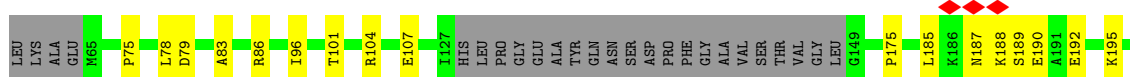
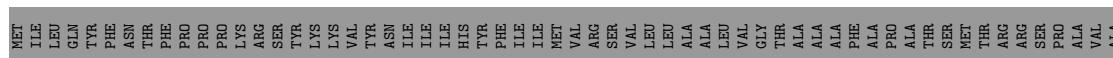
- Molecule 12: Photosystem I reaction center subunit Psa28

Chain 2u: 74% 26%



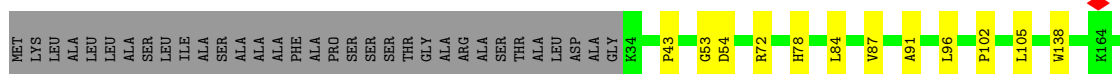
- Molecule 13: Fucoxanthin chlorophyll a/c-binding protein Lhcr15

Chain 1: 53% 9% 38%



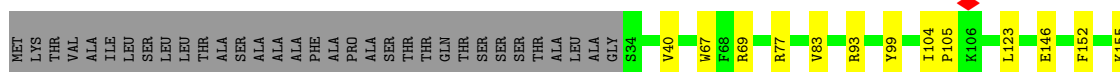
- Molecule 14: Fucoxanthin chlorophyll a/c-binding protein Lhcr8

Chain 2: 77% 7% 16%



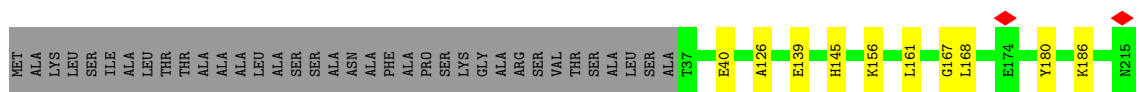
- Molecule 15: Fucoxanthin chlorophyll a/c-binding protein Lhcr2

Chain 3: 74% 8% 18%

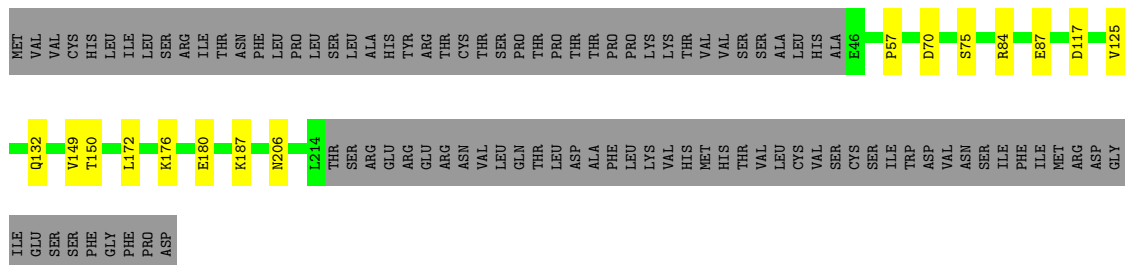


- Molecule 16: Fucoxanthin chlorophyll a/c-binding protein Lhcr9

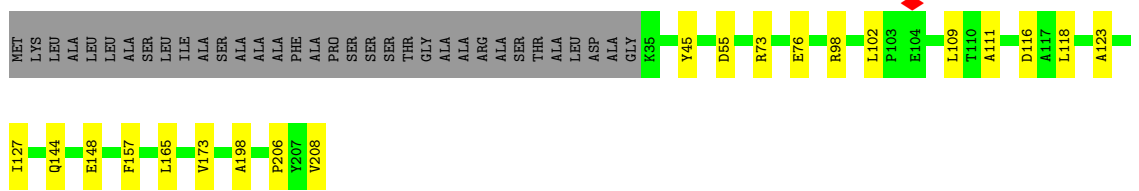
Chain 4: 79% 5% 17%



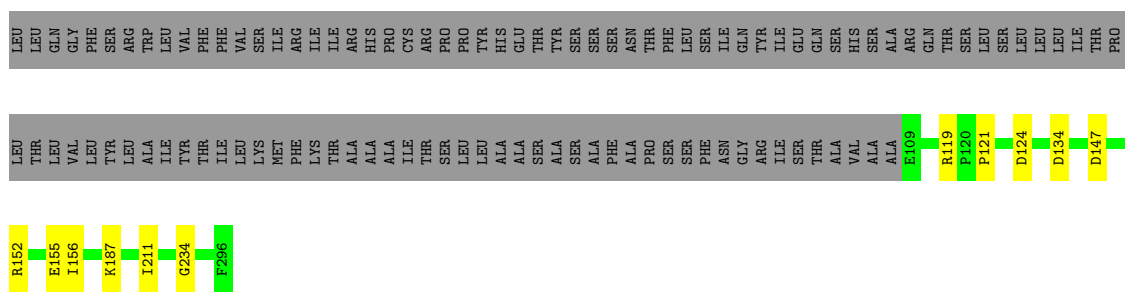
- Molecule 17: Fucoxanthin chlorophyll a/c-binding protein Lher11



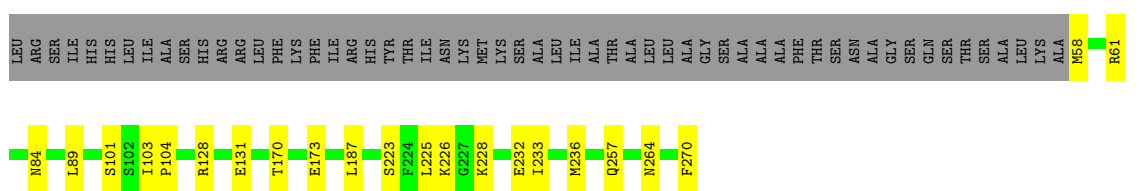
- Molecule 18: Fucoxanthin chlorophyll a/c-binding protein Lher12



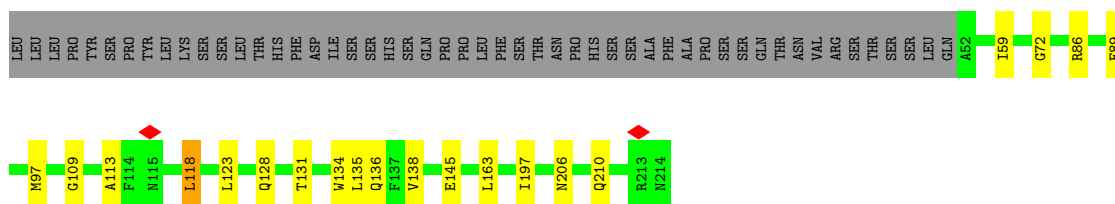
- Molecule 19: Fucoxanthin chlorophyll a/c-binding protein Lher10



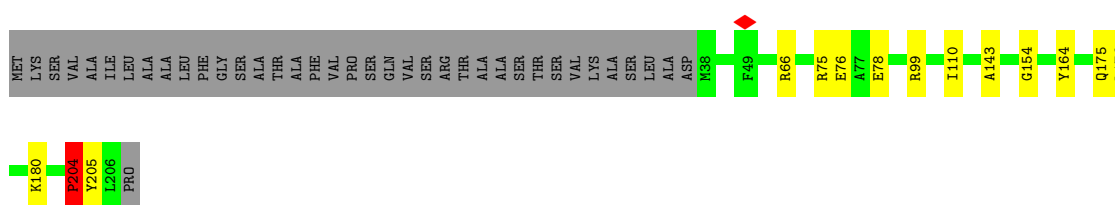
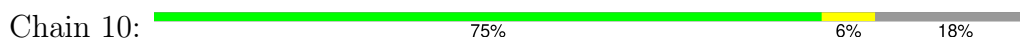
- Molecule 20: Fucoxanthin chlorophyll a/c-binding protein Lher4



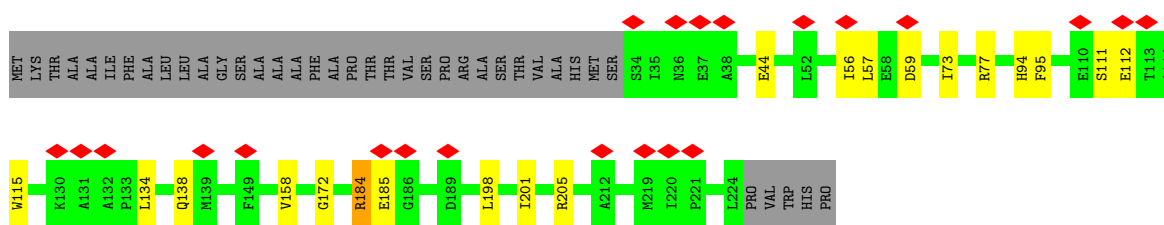
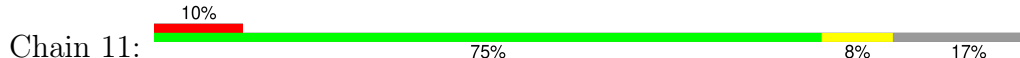
• Molecule 21: Fucoxanthin chlorophyll a/c-binding protein Lhcf6



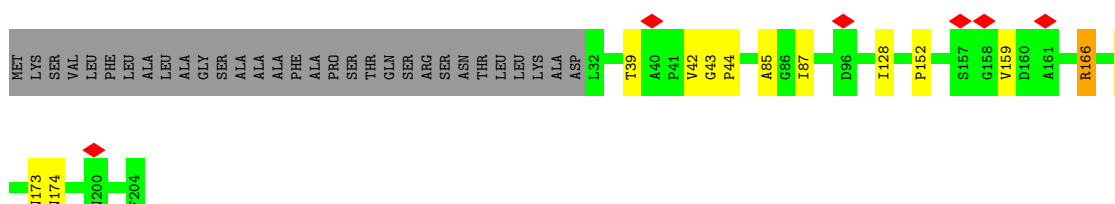
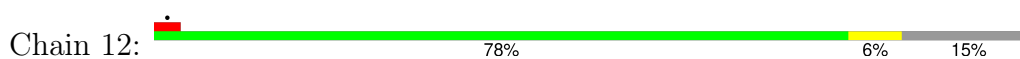
• Molecule 22: Fucoxanthin chlorophyll a/c-binding protein Lhcr3



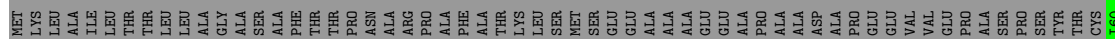
• Molecule 23: Fucoxanthin chlorophyll a/c-binding protein Lhcq13

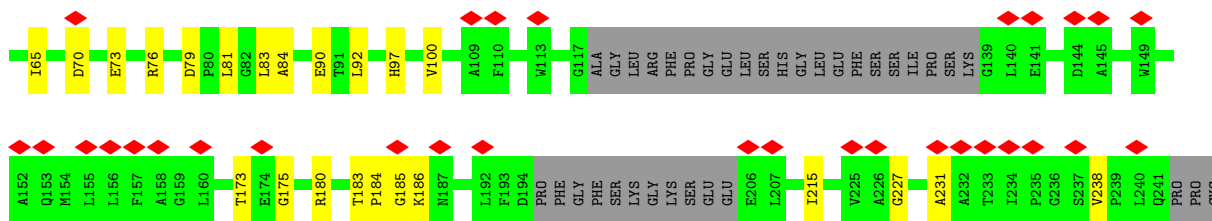


• Molecule 24: Fucoxanthin chlorophyll a/c-binding protein Lhcq3

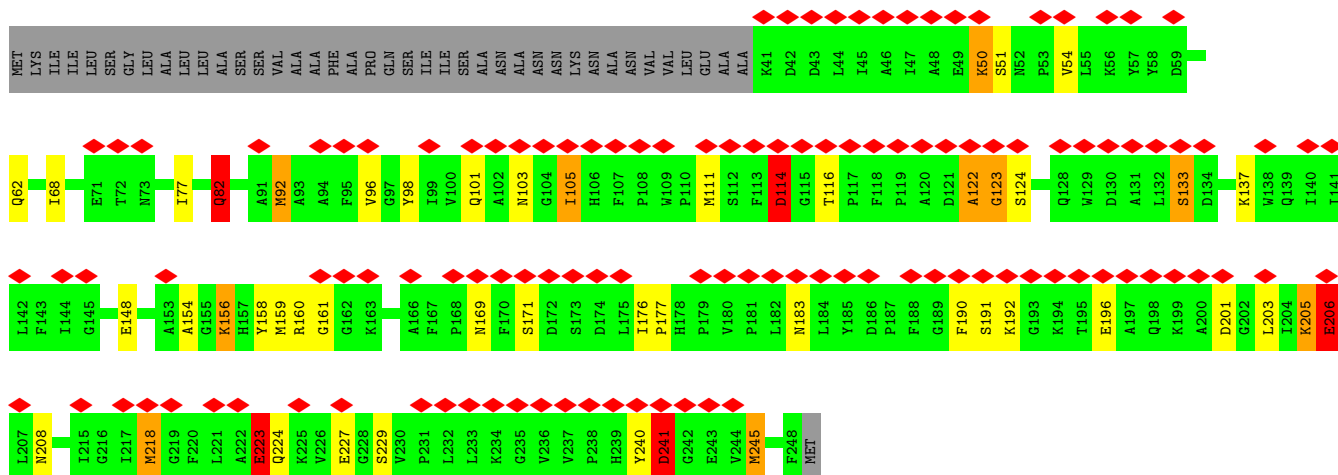


• Molecule 25: Fucoxanthin chlorophyll a/c-binding protein Lhcq11

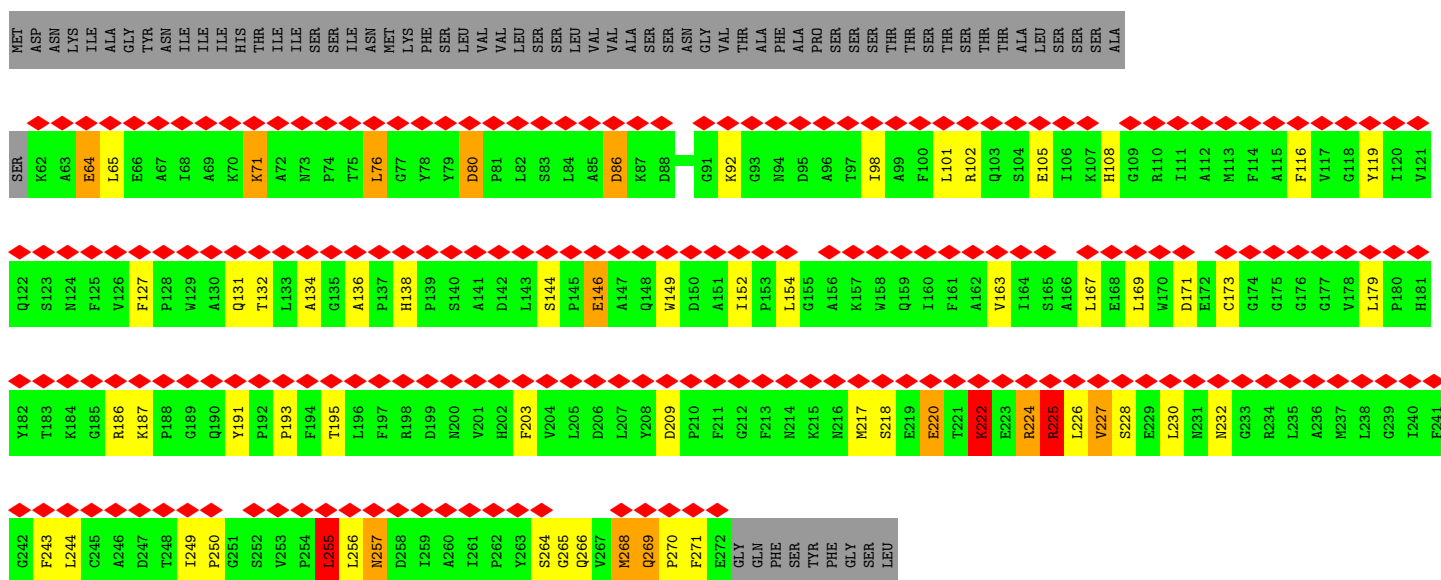
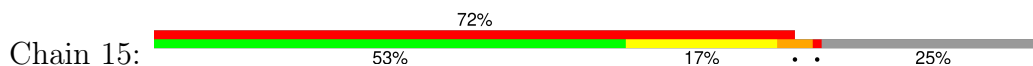




• Molecule 26: Fucoxanthin chlorophyll a/c-binding protein Lhcq10

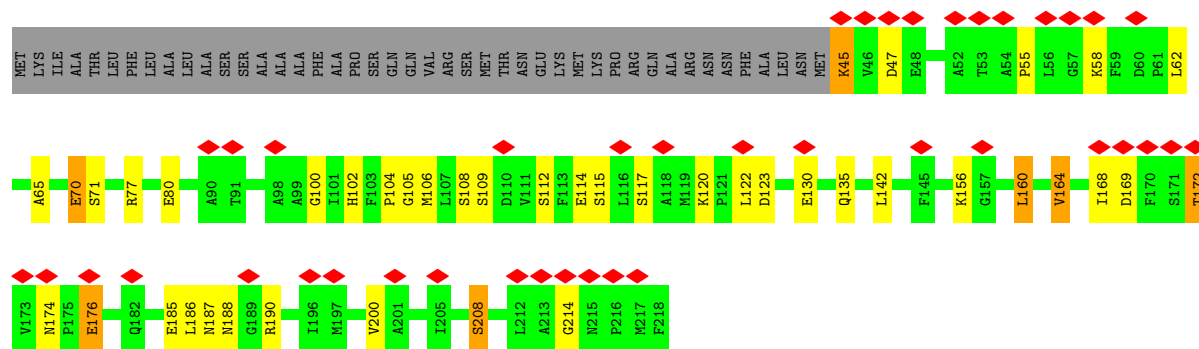


• Molecule 27: Fucoxanthin chlorophyll a/c-binding protein Lhcq8



• Molecule 28: Fucoxanthin chlorophyll a/c-binding protein Lhcq5





4 Experimental information

| Property | Value | Source |
|--------------------------------------|---|-----------|
| EM reconstruction method | SINGLE PARTICLE | Depositor |
| Imposed symmetry | POINT, C1 | Depositor |
| Number of particles used | 470801 | Depositor |
| Resolution determination method | FSC 0.143 CUT-OFF | Depositor |
| CTF correction method | PHASE FLIPPING AND AMPLITUDE CORRECTION | Depositor |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 50 | Depositor |
| Minimum defocus (nm) | Not provided | |
| Maximum defocus (nm) | Not provided | |
| Magnification | Not provided | |
| Image detector | FEI FALCON III (4k x 4k) | Depositor |
| Maximum map value | 0.401 | Depositor |
| Minimum map value | -0.141 | Depositor |
| Average map value | 0.000 | Depositor |
| Map value standard deviation | 0.005 | Depositor |
| Recommended contour level | 0.045 | Depositor |
| Map size (Å) | 560.952, 560.952, 560.952 | wwPDB |
| Map dimensions | 504, 504, 504 | wwPDB |
| Map angles (°) | 90.0, 90.0, 90.0 | wwPDB |
| Pixel spacing (Å) | 1.113, 1.113, 1.113 | Depositor |

5 Model quality i

5.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section: LMG, LHG, LMT, CLA, CL0, KC1, A86, SF4, DD6, PQN, BCR

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 | A | 0.39 | 0/6039 | 0.50 | 0/8220 |
| 2 | B | 0.38 | 0/6011 | 0.51 | 0/8209 |
| 3 | C | 0.44 | 0/609 | 0.63 | 1/826 (0.1%) |
| 4 | D | 0.38 | 0/1064 | 0.62 | 0/1437 |
| 5 | E | 0.37 | 0/486 | 0.53 | 0/656 |
| 6 | F | 0.36 | 0/1287 | 0.50 | 0/1745 |
| 7 | I | 0.37 | 0/281 | 0.60 | 0/383 |
| 8 | J | 0.34 | 0/355 | 0.56 | 0/480 |
| 9 | L | 0.34 | 0/1054 | 0.49 | 0/1432 |
| 10 | M | 0.32 | 0/229 | 0.48 | 0/313 |
| 12 | 2u | 0.32 | 0/696 | 0.45 | 0/948 |
| 13 | 1 | 0.30 | 0/1106 | 0.45 | 0/1490 |
| 14 | 2 | 0.35 | 0/1344 | 0.55 | 0/1818 |
| 15 | 3 | 0.32 | 0/1309 | 0.57 | 2/1767 (0.1%) |
| 16 | 4 | 0.35 | 0/1404 | 0.51 | 0/1897 |
| 17 | 5 | 0.33 | 0/1336 | 0.52 | 0/1804 |
| 18 | 6 | 0.36 | 0/1391 | 0.48 | 0/1886 |
| 19 | 7 | 0.33 | 0/1445 | 0.48 | 0/1952 |
| 20 | 8 | 0.35 | 0/1706 | 0.49 | 0/2310 |
| 21 | 9 | 0.32 | 0/1302 | 0.54 | 1/1769 (0.1%) |
| 22 | 10 | 0.32 | 0/1344 | 0.51 | 0/1824 |
| 23 | 11 | 0.30 | 0/1522 | 0.52 | 0/2070 |
| 24 | 12 | 0.32 | 0/1305 | 0.51 | 0/1776 |
| 25 | 13 | 0.31 | 0/1177 | 0.52 | 0/1592 |
| 26 | 14 | 0.55 | 4/1660 (0.2%) | 1.29 | 23/2255 (1.0%) |
| 27 | 15 | 0.61 | 2/1705 (0.1%) | 1.46 | 33/2319 (1.4%) |
| 28 | 16 | 0.48 | 1/1347 (0.1%) | 0.98 | 12/1833 (0.7%) |
| All | All | 0.38 | 7/40514 (0.0%) | 0.65 | 72/55011 (0.1%) |

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 | D | 0 | 1 |
| 11 | 1u | 0 | 1 |
| 16 | 4 | 0 | 1 |
| 21 | 9 | 0 | 2 |
| 22 | 10 | 0 | 1 |
| 26 | 14 | 0 | 7 |
| 27 | 15 | 0 | 8 |
| 28 | 16 | 0 | 1 |
| All | All | 0 | 22 |

All (7) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|--------|-------------|----------|
| 27 | 15 | 146 | GLU | CB-CG | -10.73 | 1.31 | 1.52 |
| 28 | 16 | 70 | GLU | CB-CG | -7.53 | 1.37 | 1.52 |
| 26 | 14 | 50 | LYS | CD-CE | -6.61 | 1.34 | 1.51 |
| 26 | 14 | 206 | GLU | CG-CD | -5.84 | 1.43 | 1.51 |
| 27 | 15 | 224 | ARG | CB-CG | -5.79 | 1.36 | 1.52 |
| 26 | 14 | 227 | GLU | CB-CG | -5.79 | 1.41 | 1.52 |
| 26 | 14 | 245 | MET | CB-CG | -5.58 | 1.33 | 1.51 |

All (72) bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|--------|-------------|----------|
| 26 | 14 | 92 | MET | CA-CB-CG | 25.47 | 156.60 | 113.30 |
| 27 | 15 | 224 | ARG | NE-CZ-NH1 | -23.93 | 108.33 | 120.30 |
| 27 | 15 | 224 | ARG | NE-CZ-NH2 | 22.70 | 131.65 | 120.30 |
| 27 | 15 | 146 | GLU | CA-CB-CG | 16.51 | 149.72 | 113.40 |
| 26 | 14 | 92 | MET | CB-CG-SD | 13.82 | 153.87 | 112.40 |
| 26 | 14 | 105 | ILE | CG1-CB-CG2 | -11.41 | 86.29 | 111.40 |
| 26 | 14 | 241 | ASP | CB-CG-OD1 | 11.01 | 128.20 | 118.30 |
| 27 | 15 | 169 | LEU | CB-CG-CD1 | -10.09 | 93.85 | 111.00 |
| 26 | 14 | 241 | ASP | CB-CG-OD2 | -9.91 | 109.38 | 118.30 |
| 28 | 16 | 70 | GLU | CA-CB-CG | 9.74 | 134.83 | 113.40 |
| 27 | 15 | 269 | GLN | CA-CB-CG | 9.66 | 134.64 | 113.40 |
| 28 | 16 | 169 | ASP | CB-CG-OD1 | 9.61 | 126.95 | 118.30 |
| 27 | 15 | 179 | LEU | CB-CG-CD2 | 9.55 | 127.23 | 111.00 |
| 27 | 15 | 224 | ARG | CD-NE-CZ | 9.27 | 136.57 | 123.60 |
| 27 | 15 | 92 | LYS | CD-CE-NZ | 9.04 | 132.50 | 111.70 |
| 26 | 14 | 227 | GLU | CA-CB-CG | 8.99 | 133.18 | 113.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 27 | 15 | 225 | ARG | CD-NE-CZ | 8.79 | 135.91 | 123.60 |
| 26 | 14 | 245 | MET | CG-SD-CE | -8.75 | 86.19 | 100.20 |
| 26 | 14 | 206 | GLU | CA-CB-CG | 8.56 | 132.23 | 113.40 |
| 27 | 15 | 71 | LYS | CD-CE-NZ | 8.53 | 131.33 | 111.70 |
| 28 | 16 | 214 | GLY | C-N-CA | 8.51 | 142.98 | 121.70 |
| 28 | 16 | 164 | VAL | CG1-CB-CG2 | -8.22 | 97.75 | 110.90 |
| 26 | 14 | 156 | LYS | CB-CG-CD | -8.13 | 90.47 | 111.60 |
| 26 | 14 | 206 | GLU | CG-CD-OE2 | -7.72 | 102.86 | 118.30 |
| 26 | 14 | 206 | GLU | OE1-CD-OE2 | -7.60 | 114.18 | 123.30 |
| 27 | 15 | 255 | LEU | CB-CG-CD2 | 7.42 | 123.61 | 111.00 |
| 26 | 14 | 92 | MET | CB-CA-C | 7.27 | 124.95 | 110.40 |
| 28 | 16 | 70 | GLU | N-CA-CB | 7.18 | 123.52 | 110.60 |
| 28 | 16 | 123 | ASP | CB-CG-OD1 | -7.13 | 111.88 | 118.30 |
| 28 | 16 | 176 | GLU | CA-CB-CG | 7.02 | 128.84 | 113.40 |
| 26 | 14 | 156 | LYS | CD-CE-NZ | -6.98 | 95.65 | 111.70 |
| 27 | 15 | 203 | PHE | CB-CG-CD2 | -6.91 | 115.97 | 120.80 |
| 27 | 15 | 179 | LEU | CA-CB-CG | 6.86 | 131.08 | 115.30 |
| 26 | 14 | 218 | MET | CG-SD-CE | 6.77 | 111.04 | 100.20 |
| 28 | 16 | 160 | LEU | CB-CG-CD1 | 6.60 | 122.21 | 111.00 |
| 15 | 3 | 77 | ARG | NE-CZ-NH1 | 6.55 | 123.57 | 120.30 |
| 27 | 15 | 222 | LYS | CB-CA-C | -6.36 | 97.68 | 110.40 |
| 21 | 9 | 118 | LEU | CA-CB-CG | 6.32 | 129.83 | 115.30 |
| 26 | 14 | 96 | VAL | CG1-CB-CG2 | -6.31 | 100.81 | 110.90 |
| 15 | 3 | 77 | ARG | NE-CZ-NH2 | -6.30 | 117.15 | 120.30 |
| 27 | 15 | 225 | ARG | CB-CG-CD | -6.23 | 95.40 | 111.60 |
| 27 | 15 | 154 | LEU | CB-CG-CD2 | -6.17 | 100.52 | 111.00 |
| 27 | 15 | 92 | LYS | CA-CB-CG | 6.09 | 126.80 | 113.40 |
| 26 | 14 | 156 | LYS | CA-CB-CG | 5.95 | 126.48 | 113.40 |
| 27 | 15 | 209 | ASP | CB-CG-OD1 | 5.94 | 123.65 | 118.30 |
| 26 | 14 | 114 | ASP | CB-CA-C | -5.94 | 98.53 | 110.40 |
| 27 | 15 | 76 | LEU | CB-CG-CD2 | -5.92 | 100.94 | 111.00 |
| 27 | 15 | 224 | ARG | CB-CG-CD | 5.89 | 126.93 | 111.60 |
| 28 | 16 | 142 | LEU | CB-CG-CD2 | 5.87 | 120.97 | 111.00 |
| 27 | 15 | 257 | ASN | N-CA-CB | -5.79 | 100.18 | 110.60 |
| 27 | 15 | 98 | ILE | CG1-CB-CG2 | -5.75 | 98.75 | 111.40 |
| 26 | 14 | 227 | GLU | CB-CA-C | 5.74 | 121.89 | 110.40 |
| 27 | 15 | 203 | PHE | CB-CG-CD1 | 5.74 | 124.82 | 120.80 |
| 28 | 16 | 123 | ASP | CB-CG-OD2 | 5.71 | 123.44 | 118.30 |
| 27 | 15 | 152 | ILE | C-N-CD | -5.65 | 108.17 | 120.60 |
| 27 | 15 | 102 | ARG | CG-CD-NE | -5.50 | 100.26 | 111.80 |
| 26 | 14 | 218 | MET | CB-CG-SD | 5.47 | 128.80 | 112.40 |
| 26 | 14 | 223 | GLU | CA-CB-CG | -5.40 | 101.53 | 113.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|-------|-------------|----------|
| 27 | 15 | 220 | GLU | CB-CA-C | -5.35 | 99.71 | 110.40 |
| 27 | 15 | 225 | ARG | CG-CD-NE | 5.31 | 122.95 | 111.80 |
| 27 | 15 | 86 | ASP | CB-CG-OD1 | 5.30 | 123.07 | 118.30 |
| 27 | 15 | 225 | ARG | NE-CZ-NH2 | -5.28 | 117.66 | 120.30 |
| 28 | 16 | 168 | ILE | C-N-CA | 5.26 | 134.84 | 121.70 |
| 27 | 15 | 209 | ASP | CB-CG-OD2 | -5.24 | 113.58 | 118.30 |
| 27 | 15 | 265 | GLY | N-CA-C | 5.21 | 126.14 | 113.10 |
| 27 | 15 | 86 | ASP | CB-CG-OD2 | -5.21 | 113.61 | 118.30 |
| 27 | 15 | 271 | PHE | N-CA-CB | 5.15 | 119.87 | 110.60 |
| 3 | C | 62 | PHE | C-N-CA | 5.15 | 134.56 | 121.70 |
| 26 | 14 | 116 | THR | CA-CB-CG2 | 5.12 | 119.56 | 112.40 |
| 26 | 14 | 122 | ALA | C-N-CA | 5.10 | 133.01 | 122.30 |
| 26 | 14 | 82 | GLN | CB-CG-CD | 5.08 | 124.82 | 111.60 |
| 28 | 16 | 45 | LYS | CB-CG-CD | 5.08 | 124.80 | 111.60 |

There are no chirality outliers.

All (22) planarity outliers are listed below:

| Mol | Chain | Res | Type | Group |
|-----|-------|-----|------|-----------|
| 22 | 10 | 204 | PRO | Peptide |
| 26 | 14 | 123 | GLY | Peptide |
| 26 | 14 | 124 | SER | Peptide |
| 26 | 14 | 154 | ALA | Peptide |
| 26 | 14 | 161 | GLY | Peptide |
| 26 | 14 | 206 | GLU | Sidechain |
| 26 | 14 | 223 | GLU | Sidechain |
| 26 | 14 | 241 | ASP | Sidechain |
| 27 | 15 | 119 | TYR | Sidechain |
| 27 | 15 | 136 | ALA | Peptide |
| 27 | 15 | 225 | ARG | Sidechain |
| 27 | 15 | 257 | ASN | Sidechain |
| 27 | 15 | 264 | SER | Peptide |
| 27 | 15 | 268 | MET | Peptide |
| 27 | 15 | 270 | PRO | Peptide |
| 27 | 15 | 64 | GLU | Sidechain |
| 28 | 16 | 130 | GLU | Sidechain |
| 11 | 1u | 97 | UNK | Peptide |
| 16 | 4 | 145 | HIS | Sidechain |
| 21 | 9 | 109 | GLY | Peptide |
| 21 | 9 | 113 | ALA | Peptide |
| 4 | D | 91 | GLU | Peptide |

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 1 | A | 5841 | 0 | 5666 | 71 | 0 |
| 2 | B | 5801 | 0 | 5614 | 50 | 0 |
| 3 | C | 599 | 0 | 579 | 6 | 0 |
| 4 | D | 1037 | 0 | 1023 | 10 | 0 |
| 5 | E | 478 | 0 | 473 | 2 | 0 |
| 6 | F | 1257 | 0 | 1259 | 11 | 0 |
| 7 | I | 273 | 0 | 285 | 1 | 0 |
| 8 | J | 344 | 0 | 351 | 10 | 0 |
| 9 | L | 1030 | 0 | 1063 | 11 | 0 |
| 10 | M | 227 | 0 | 247 | 2 | 0 |
| 11 | 1u | 650 | 0 | 138 | 0 | 0 |
| 12 | 2u | 674 | 0 | 658 | 0 | 0 |
| 13 | 1 | 1086 | 0 | 1089 | 13 | 0 |
| 14 | 2 | 1310 | 0 | 1287 | 13 | 0 |
| 15 | 3 | 1275 | 0 | 1239 | 9 | 0 |
| 16 | 4 | 1368 | 0 | 1344 | 8 | 0 |
| 17 | 5 | 1304 | 0 | 1286 | 10 | 0 |
| 18 | 6 | 1354 | 0 | 1328 | 13 | 0 |
| 19 | 7 | 1416 | 0 | 1379 | 8 | 0 |
| 20 | 8 | 1660 | 0 | 1625 | 16 | 0 |
| 21 | 9 | 1267 | 0 | 1210 | 12 | 0 |
| 22 | 10 | 1302 | 0 | 1274 | 8 | 0 |
| 23 | 11 | 1479 | 0 | 1452 | 16 | 0 |
| 24 | 12 | 1274 | 0 | 1267 | 10 | 0 |
| 25 | 13 | 1148 | 0 | 1130 | 16 | 0 |
| 26 | 14 | 1609 | 0 | 1568 | 22 | 0 |
| 27 | 15 | 1654 | 0 | 1613 | 21 | 0 |
| 28 | 16 | 1313 | 0 | 1309 | 22 | 0 |
| 29 | A | 65 | 0 | 72 | 3 | 0 |
| 30 | 1 | 390 | 0 | 425 | 12 | 0 |
| 30 | 10 | 435 | 0 | 465 | 7 | 0 |
| 30 | 11 | 315 | 0 | 337 | 11 | 0 |
| 30 | 12 | 566 | 0 | 604 | 12 | 0 |
| 30 | 13 | 350 | 0 | 354 | 11 | 0 |
| 30 | 14 | 468 | 0 | 400 | 8 | 0 |
| 30 | 15 | 685 | 0 | 589 | 16 | 0 |
| 30 | 16 | 478 | 0 | 429 | 13 | 0 |

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| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 30 | 2 | 620 | 0 | 649 | 16 | 0 |
| 30 | 2u | 65 | 0 | 72 | 0 | 0 |
| 30 | 3 | 472 | 0 | 474 | 8 | 0 |
| 30 | 4 | 484 | 0 | 495 | 14 | 0 |
| 30 | 5 | 455 | 0 | 499 | 12 | 0 |
| 30 | 6 | 620 | 0 | 656 | 13 | 0 |
| 30 | 7 | 566 | 0 | 609 | 14 | 0 |
| 30 | 8 | 420 | 0 | 427 | 8 | 0 |
| 30 | 9 | 486 | 0 | 503 | 12 | 0 |
| 30 | A | 2614 | 0 | 2694 | 105 | 0 |
| 30 | B | 2465 | 0 | 2570 | 91 | 0 |
| 30 | F | 175 | 0 | 177 | 9 | 0 |
| 30 | J | 45 | 0 | 33 | 1 | 0 |
| 30 | L | 110 | 0 | 105 | 7 | 0 |
| 31 | A | 33 | 0 | 46 | 5 | 0 |
| 31 | B | 33 | 0 | 46 | 1 | 0 |
| 32 | A | 8 | 0 | 0 | 0 | 0 |
| 32 | C | 16 | 0 | 0 | 0 | 0 |
| 33 | 2u | 40 | 0 | 56 | 0 | 0 |
| 33 | A | 200 | 0 | 280 | 13 | 0 |
| 33 | B | 240 | 0 | 336 | 12 | 0 |
| 33 | F | 40 | 0 | 56 | 3 | 0 |
| 33 | I | 40 | 0 | 56 | 2 | 0 |
| 33 | J | 80 | 0 | 112 | 7 | 0 |
| 33 | L | 120 | 0 | 168 | 10 | 0 |
| 33 | M | 40 | 0 | 56 | 3 | 0 |
| 34 | 2 | 27 | 0 | 24 | 0 | 0 |
| 34 | 5 | 27 | 0 | 24 | 1 | 0 |
| 34 | 6 | 27 | 0 | 24 | 0 | 0 |
| 34 | 9 | 34 | 0 | 38 | 0 | 0 |
| 34 | A | 76 | 0 | 98 | 2 | 0 |
| 34 | B | 27 | 0 | 24 | 0 | 0 |
| 35 | 1 | 35 | 0 | 46 | 0 | 0 |
| 35 | 11 | 140 | 0 | 184 | 5 | 0 |
| 35 | 12 | 140 | 0 | 184 | 4 | 0 |
| 35 | 15 | 35 | 0 | 46 | 0 | 0 |
| 35 | 16 | 35 | 0 | 46 | 0 | 0 |
| 35 | 6 | 31 | 0 | 35 | 2 | 0 |
| 35 | 7 | 70 | 0 | 91 | 2 | 0 |
| 35 | 8 | 35 | 0 | 46 | 0 | 0 |
| 35 | 9 | 32 | 0 | 37 | 0 | 0 |
| 35 | A | 105 | 0 | 138 | 3 | 0 |

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| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 35 | B | 70 | 0 | 92 | 0 | 0 |
| 36 | 14 | 38 | 0 | 46 | 2 | 0 |
| 36 | 2u | 31 | 0 | 31 | 0 | 0 |
| 36 | 3 | 37 | 0 | 44 | 2 | 0 |
| 36 | 5 | 33 | 0 | 36 | 0 | 0 |
| 36 | 6 | 33 | 0 | 34 | 1 | 0 |
| 36 | 7 | 37 | 0 | 44 | 0 | 0 |
| 36 | 8 | 108 | 0 | 123 | 1 | 0 |
| 36 | A | 34 | 0 | 38 | 2 | 0 |
| 36 | B | 98 | 0 | 141 | 3 | 0 |
| 36 | F | 27 | 0 | 24 | 0 | 0 |
| 37 | 1 | 48 | 0 | 0 | 0 | 0 |
| 37 | 10 | 240 | 0 | 0 | 0 | 0 |
| 37 | 11 | 192 | 0 | 0 | 2 | 0 |
| 37 | 12 | 96 | 0 | 0 | 0 | 0 |
| 37 | 13 | 93 | 0 | 0 | 0 | 0 |
| 37 | 14 | 384 | 0 | 0 | 2 | 0 |
| 37 | 15 | 336 | 0 | 0 | 0 | 0 |
| 37 | 16 | 96 | 0 | 0 | 0 | 0 |
| 37 | 2 | 144 | 0 | 0 | 0 | 0 |
| 37 | 2u | 96 | 0 | 0 | 0 | 0 |
| 37 | 3 | 96 | 0 | 0 | 0 | 0 |
| 37 | 4 | 192 | 0 | 0 | 1 | 0 |
| 37 | 5 | 144 | 0 | 0 | 1 | 0 |
| 37 | 6 | 48 | 0 | 0 | 0 | 0 |
| 37 | 7 | 144 | 0 | 0 | 1 | 0 |
| 37 | 8 | 96 | 0 | 0 | 1 | 0 |
| 37 | 9 | 144 | 0 | 0 | 1 | 0 |
| 38 | 1 | 90 | 0 | 0 | 0 | 0 |
| 38 | 10 | 135 | 0 | 0 | 0 | 0 |
| 38 | 11 | 180 | 0 | 0 | 0 | 0 |
| 38 | 12 | 180 | 0 | 0 | 1 | 0 |
| 38 | 13 | 270 | 0 | 0 | 0 | 0 |
| 38 | 14 | 135 | 0 | 0 | 0 | 0 |
| 38 | 16 | 90 | 0 | 0 | 1 | 0 |
| 38 | 2 | 135 | 0 | 0 | 0 | 0 |
| 38 | 3 | 135 | 0 | 0 | 1 | 0 |
| 38 | 4 | 135 | 0 | 0 | 1 | 0 |
| 38 | 5 | 180 | 0 | 0 | 2 | 0 |
| 38 | 6 | 180 | 0 | 0 | 0 | 0 |
| 38 | 7 | 90 | 0 | 0 | 0 | 0 |
| 38 | 8 | 315 | 0 | 0 | 0 | 0 |

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| Mol | Chain | Non-H | H(model) | H(added) | Clashes | Symm-Clashes |
|-----|-------|-------|----------|----------|---------|--------------|
| 38 | 9 | 180 | 0 | 0 | 0 | 0 |
| 39 | 1 | 43 | 0 | 0 | 0 | 0 |
| 39 | 10 | 86 | 0 | 0 | 1 | 0 |
| 39 | 11 | 43 | 0 | 0 | 0 | 0 |
| 39 | 12 | 86 | 0 | 0 | 0 | 0 |
| 39 | 13 | 43 | 0 | 0 | 1 | 0 |
| 39 | 15 | 86 | 0 | 0 | 0 | 0 |
| 39 | 16 | 43 | 0 | 0 | 0 | 0 |
| 39 | 2 | 129 | 0 | 0 | 0 | 0 |
| 39 | 3 | 129 | 0 | 0 | 0 | 0 |
| 39 | 4 | 86 | 0 | 0 | 0 | 0 |
| 39 | 5 | 86 | 0 | 0 | 0 | 0 |
| 39 | 6 | 172 | 0 | 0 | 3 | 0 |
| 39 | 7 | 172 | 0 | 0 | 0 | 0 |
| 39 | 8 | 86 | 0 | 0 | 0 | 0 |
| 39 | 9 | 43 | 0 | 0 | 0 | 0 |
| 40 | 1 | 1 | 0 | 0 | 0 | 0 |
| 40 | 10 | 1 | 0 | 0 | 0 | 0 |
| 40 | 11 | 1 | 0 | 0 | 0 | 0 |
| 40 | 12 | 2 | 0 | 0 | 0 | 0 |
| 40 | 2 | 2 | 0 | 0 | 0 | 0 |
| 40 | 3 | 1 | 0 | 0 | 0 | 0 |
| 40 | 5 | 1 | 0 | 0 | 0 | 0 |
| 40 | 6 | 2 | 0 | 0 | 0 | 0 |
| 40 | 7 | 2 | 0 | 0 | 0 | 0 |
| 40 | 8 | 4 | 0 | 0 | 0 | 0 |
| 40 | 9 | 1 | 0 | 0 | 0 | 0 |
| 40 | A | 42 | 0 | 0 | 2 | 0 |
| 40 | B | 53 | 0 | 0 | 0 | 0 |
| 40 | C | 15 | 0 | 0 | 0 | 0 |
| 40 | D | 13 | 0 | 0 | 0 | 0 |
| 40 | E | 3 | 0 | 0 | 0 | 0 |
| 40 | F | 3 | 0 | 0 | 0 | 0 |
| 40 | I | 1 | 0 | 0 | 0 | 0 |
| 40 | L | 8 | 0 | 0 | 0 | 0 |
| All | All | 62199 | 0 | 55344 | 644 | 0 |

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 6.

All (644) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 26:14:101:GLN:OE1 | 30:14:303:CLA:NA | 2.01 | 0.94 |
| 23:11:44:GLU:OE1 | 30:11:310:CLA:NC | 2.10 | 0.84 |
| 25:13:73:GLU:OE1 | 30:13:307:CLA:NC | 2.11 | 0.83 |
| 27:15:105:GLU:OE1 | 30:15:302:CLA:NB | 2.21 | 0.74 |
| 30:B:815:CLA:HBB1 | 33:B:841:BCR:H333 | 1.74 | 0.70 |
| 2:B:202:ARG:HG3 | 2:B:249:ALA:HB1 | 1.73 | 0.70 |
| 30:4:306:CLA:H42 | 30:4:306:CLA:HAA1 | 1.76 | 0.68 |
| 30:A:810:CLA:HBB1 | 33:J:102:BCR:HC7 | 1.76 | 0.68 |
| 30:A:802:CLA:H201 | 30:B:809:CLA:H2 | 1.75 | 0.68 |
| 27:15:127:PHE:O | 27:15:138:HIS:NE2 | 2.26 | 0.67 |
| 4:D:42:GLU:H | 4:D:72:GLN:HE22 | 1.41 | 0.66 |
| 2:B:402:ASN:HD22 | 2:B:405:ASN:HD21 | 1.43 | 0.66 |
| 21:9:59:ILE:O | 21:9:86:ARG:NH2 | 2.29 | 0.66 |
| 30:3:302:CLA:HAC1 | 30:3:310:CLA:HAB | 1.78 | 0.65 |
| 9:L:38:ARG:O | 9:L:46:ARG:NH1 | 2.31 | 0.64 |
| 16:4:126:ALA:HB2 | 30:4:309:CLA:HBB1 | 1.79 | 0.64 |
| 30:A:843:CLA:H122 | 33:L:204:BCR:H19C | 1.81 | 0.63 |
| 30:B:806:CLA:H162 | 30:B:827:CLA:HBB2 | 1.79 | 0.63 |
| 30:B:803:CLA:H13 | 33:I:101:BCR:H281 | 1.79 | 0.63 |
| 28:16:77:ARG:HG3 | 28:16:160:LEU:HD21 | 1.80 | 0.63 |
| 13:1:83:ALA:O | 13:1:104:ARG:NH2 | 2.32 | 0.62 |
| 21:9:86:ARG:NH1 | 21:9:89:GLU:OE1 | 2.33 | 0.62 |
| 30:16:302:CLA:H202 | 30:16:302:CLA:HBB1 | 1.80 | 0.62 |
| 18:6:127:ILE:HB | 30:6:314:CLA:HBC1 | 1.81 | 0.61 |
| 13:1:104:ARG:NH1 | 13:1:107:GLU:OE1 | 2.33 | 0.61 |
| 14:2:138:TRP:HB3 | 30:2:301:CLA:H2 | 1.81 | 0.61 |
| 18:6:73:ARG:NH2 | 18:6:76:GLU:OE1 | 2.33 | 0.61 |
| 15:3:123:LEU:HB2 | 30:3:310:CLA:HBC1 | 1.82 | 0.61 |
| 13:1:188:LYS:HE3 | 13:1:192:GLU:HG3 | 1.81 | 0.61 |
| 28:16:55:PRO:HB3 | 30:16:307:CLA:HBB1 | 1.82 | 0.61 |
| 30:A:834:CLA:H142 | 33:B:846:BCR:H15C | 1.82 | 0.61 |
| 26:14:224:GLN:HB3 | 26:14:240:TYR:HB3 | 1.81 | 0.61 |
| 30:A:816:CLA:HBB1 | 33:A:847:BCR:H333 | 1.83 | 0.61 |
| 3:C:73:THR:H | 3:C:76:SER:HB3 | 1.66 | 0.61 |
| 22:10:75:ARG:NH2 | 22:10:78:GLU:OE1 | 2.34 | 0.61 |
| 27:15:217:MET:SD | 27:15:225:ARG:NH2 | 2.74 | 0.60 |
| 17:5:84:ARG:NH1 | 17:5:87:GLU:OE1 | 2.34 | 0.60 |
| 30:B:836:CLA:HBC3 | 30:4:301:CLA:HAC1 | 1.83 | 0.60 |
| 20:8:58:MET:SD | 20:8:58:MET:N | 2.75 | 0.60 |
| 30:A:802:CLA:H13 | 33:B:846:BCR:H10C | 1.83 | 0.60 |
| 30:A:822:CLA:HMB2 | 30:A:826:CLA:HMA3 | 1.83 | 0.60 |
| 25:13:84:ALA:HB2 | 30:13:301:CLA:HBA1 | 1.83 | 0.60 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|-------------------|--------------------|--------------------------|-------------------|
| 1:A:734:LEU:HD22 | 30:A:842:CLA:HMA1 | 1.83 | 0.60 |
| 30:B:825:CLA:H112 | 33:B:844:BCR:H17C | 1.83 | 0.60 |
| 23:11:56:ILE:HG13 | 23:11:57:LEU:HG | 1.84 | 0.60 |
| 30:A:806:CLA:H12 | 30:A:807:CLA:HBB1 | 1.84 | 0.59 |
| 20:8:128:ARG:NH1 | 20:8:131:GLU:OE1 | 2.35 | 0.59 |
| 26:14:245:MET:HG2 | 30:14:312:CLA:HBB1 | 1.85 | 0.59 |
| 30:7:309:CLA:H52 | 25:13:83:LEU:HD22 | 1.84 | 0.59 |
| 30:B:811:CLA:HAA2 | 13:1:96:ILE:HD13 | 1.85 | 0.58 |
| 26:14:101:GLN:OE1 | 30:14:303:CLA:C1A | 2.50 | 0.58 |
| 27:15:232:ASN:ND2 | 30:15:309:CLA:OBD | 2.36 | 0.58 |
| 2:B:337:LEU:HD21 | 30:B:828:CLA:HAB | 1.85 | 0.58 |
| 14:2:72:ARG:NH1 | 30:2:303:CLA:O1D | 2.37 | 0.58 |
| 30:B:809:CLA:H202 | 33:I:101:BCR:H353 | 1.85 | 0.58 |
| 1:A:715:GLN:NE2 | 5:E:16:TYR:OH | 2.36 | 0.58 |
| 18:6:144:GLN:HA | 18:6:148:GLU:HB2 | 1.86 | 0.58 |
| 23:11:134:LEU:O | 23:11:138:GLN:NE2 | 2.37 | 0.58 |
| 14:2:91:ALA:HB1 | 14:2:96:LEU:HD23 | 1.86 | 0.57 |
| 30:A:842:CLA:H172 | 8:J:23:ALA:HB2 | 1.86 | 0.57 |
| 20:8:89:LEU:HB3 | 20:8:128:ARG:HH21 | 1.70 | 0.57 |
| 30:B:819:CLA:HMB2 | 30:B:823:CLA:HMA3 | 1.87 | 0.57 |
| 17:5:125:VAL:HG11 | 30:5:304:CLA:HAA2 | 1.86 | 0.57 |
| 30:A:804:CLA:H203 | 30:A:804:CLA:H101 | 1.86 | 0.57 |
| 1:A:30:ALA:HB1 | 8:J:6:LYS:HD2 | 1.88 | 0.56 |
| 30:A:842:CLA:H101 | 8:J:16:THR:HG23 | 1.88 | 0.56 |
| 30:A:839:CLA:H203 | 30:L:202:CLA:H171 | 1.88 | 0.56 |
| 30:7:309:CLA:H92 | 30:7:309:CLA:H2 | 1.87 | 0.56 |
| 20:8:187:LEU:HG | 30:8:303:CLA:H12 | 1.88 | 0.56 |
| 36:A:856:LMG:HC62 | 8:J:3:ASN:HD22 | 1.71 | 0.56 |
| 2:B:15:ASP:HB3 | 2:B:20:ARG:HB2 | 1.87 | 0.56 |
| 26:14:98:TYR:OH | 26:14:224:GLN:NE2 | 2.36 | 0.56 |
| 3:C:15:THR:OG1 | 3:C:19:ARG:NH1 | 2.39 | 0.56 |
| 28:16:135:GLN:OE1 | 38:16:304:KC1:ND | 2.39 | 0.56 |
| 30:13:301:CLA:H71 | 30:13:302:CLA:HMA1 | 1.88 | 0.56 |
| 1:A:540:ALA:HB1 | 30:A:839:CLA:HMB3 | 1.88 | 0.55 |
| 30:A:816:CLA:H8 | 33:A:848:BCR:H402 | 1.88 | 0.55 |
| 2:B:56:ILE:HD11 | 33:M:101:BCR:HC7 | 1.88 | 0.55 |
| 30:F:202:CLA:HED2 | 30:5:303:CLA:H93 | 1.88 | 0.55 |
| 17:5:57:PRO:HB3 | 17:5:70:ASP:HB3 | 1.89 | 0.55 |
| 36:8:319:LMG:HC8 | 36:8:321:LMG:H292 | 1.88 | 0.55 |
| 28:16:185:GLU:OE1 | 30:16:306:CLA:NA | 2.39 | 0.55 |
| 6:F:158:TYR:HE1 | 30:5:307:CLA:HMB2 | 1.71 | 0.55 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 1:A:349:TRP:HB3 | 30:A:806:CLA:HAC1 | 1.88 | 0.55 |
| 30:A:804:CLA:H11 | 30:F:201:CLA:HMB2 | 1.89 | 0.55 |
| 20:8:264:ASN:ND2 | 20:8:270:PHE:O | 2.39 | 0.55 |
| 26:14:208:ASN:ND2 | 30:14:307:CLA:O1D | 2.39 | 0.55 |
| 30:B:811:CLA:H171 | 30:1:303:CLA:H121 | 1.87 | 0.55 |
| 27:15:191:TYR:HB2 | 30:15:308:CLA:HMD1 | 1.89 | 0.55 |
| 20:8:61:ARG:HH22 | 22:10:143:ALA:HB1 | 1.70 | 0.55 |
| 18:6:118:LEU:HB3 | 18:6:123:ALA:HB3 | 1.89 | 0.55 |
| 2:B:721:ALA:HB2 | 30:B:826:CLA:HBB1 | 1.87 | 0.55 |
| 18:6:98:ARG:NH2 | 18:6:109:LEU:O | 2.40 | 0.55 |
| 1:A:121:ILE:O | 1:A:123:GLY:N | 2.40 | 0.54 |
| 2:B:190:THR:HG21 | 2:B:277:LEU:HB2 | 1.89 | 0.54 |
| 30:B:806:CLA:H102 | 30:B:806:CLA:H172 | 1.89 | 0.54 |
| 30:A:810:CLA:HAB | 30:B:831:CLA:HMD2 | 1.89 | 0.54 |
| 2:B:584:ASN:HB2 | 30:B:802:CLA:HBC2 | 1.89 | 0.54 |
| 1:A:60:ASP:N | 1:A:60:ASP:OD1 | 2.40 | 0.54 |
| 1:A:540:ALA:HB2 | 30:A:839:CLA:HMA1 | 1.90 | 0.54 |
| 4:D:62:ARG:NH2 | 4:D:64:GLU:OE2 | 2.39 | 0.54 |
| 26:14:159:MET:O | 26:14:160:ARG:NH2 | 2.40 | 0.54 |
| 30:B:821:CLA:HHC | 30:B:839:CLA:HED1 | 1.89 | 0.54 |
| 21:9:135:LEU:HA | 21:9:138:VAL:HB | 1.90 | 0.54 |
| 6:F:117:ILE:HG23 | 30:F:202:CLA:HAA1 | 1.90 | 0.54 |
| 18:6:165:LEU:HD22 | 18:6:173:VAL:HG12 | 1.89 | 0.54 |
| 2:B:180:GLY:HA3 | 30:B:813:CLA:HBB1 | 1.90 | 0.54 |
| 30:B:804:CLA:H2 | 33:M:101:BCR:HC21 | 1.91 | 0.54 |
| 1:A:151:GLU:HG2 | 1:A:213:TRP:HH2 | 1.73 | 0.53 |
| 30:A:836:CLA:H2 | 33:A:851:BCR:H383 | 1.91 | 0.53 |
| 28:16:80:GLU:OE1 | 30:16:301:CLA:NA | 2.41 | 0.53 |
| 6:F:155:THR:HG21 | 30:5:303:CLA:HED2 | 1.91 | 0.53 |
| 30:B:838:CLA:HAC2 | 33:B:846:BCR:H23C | 1.91 | 0.53 |
| 25:13:70:ASP:OD1 | 25:13:70:ASP:N | 2.40 | 0.53 |
| 25:13:183:THR:HG22 | 25:13:185:GLY:H | 1.74 | 0.53 |
| 30:A:811:CLA:H172 | 30:A:813:CLA:H203 | 1.89 | 0.53 |
| 4:D:85:ARG:HB3 | 4:D:93:GLN:HB2 | 1.90 | 0.53 |
| 25:13:173:THR:HG22 | 25:13:175:GLY:H | 1.73 | 0.53 |
| 36:A:856:LMG:H142 | 35:6:302:LMT:H2' | 1.91 | 0.53 |
| 14:2:87:VAL:HG12 | 30:2:305:CLA:HBC2 | 1.91 | 0.53 |
| 17:5:75:SER:HB3 | 30:5:302:CLA:HBA1 | 1.91 | 0.53 |
| 19:7:124:ASP:OD1 | 19:7:124:ASP:N | 2.42 | 0.53 |
| 30:7:306:CLA:HHC | 30:7:306:CLA:HBB1 | 1.91 | 0.53 |
| 1:A:336:GLU:HG2 | 1:A:424:ASN:HB3 | 1.91 | 0.52 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 35:11:318:LMT:H51 | 35:12:301:LMT:H62 | 1.91 | 0.52 |
| 33:B:845:BCR:H381 | 30:F:201:CLA:HMC2 | 1.91 | 0.52 |
| 15:3:152:PHE:HB2 | 30:3:306:CLA:HMD1 | 1.91 | 0.52 |
| 1:A:501:ASN:HB2 | 30:A:837:CLA:HED2 | 1.91 | 0.52 |
| 2:B:173:ARG:HB2 | 30:B:813:CLA:HBC2 | 1.90 | 0.52 |
| 2:B:541:ARG:NH2 | 4:D:125:ASN:OD1 | 2.39 | 0.52 |
| 1:A:363:LEU:HD11 | 30:A:820:CLA:H71 | 1.89 | 0.52 |
| 30:A:805:CLA:HAB | 30:A:812:CLA:H121 | 1.91 | 0.52 |
| 36:3:317:LMG:HC91 | 30:4:311:CLA:HAB | 1.92 | 0.52 |
| 13:1:75:PRO:HB2 | 13:1:78:LEU:HB2 | 1.92 | 0.52 |
| 30:7:309:CLA:H122 | 30:13:301:CLA:H8 | 1.90 | 0.52 |
| 1:A:572:ARG:NH2 | 34:A:852:LHG:O2 | 2.42 | 0.52 |
| 2:B:66:PHE:HZ | 10:M:7:VAL:HG13 | 1.75 | 0.52 |
| 23:11:158:VAL:HG22 | 35:11:303:LMT:H42 | 1.92 | 0.52 |
| 26:14:148:GLU:OE1 | 30:14:305:CLA:NA | 2.43 | 0.52 |
| 30:A:820:CLA:HAB | 30:A:820:CLA:H8 | 1.92 | 0.52 |
| 30:A:829:CLA:H161 | 30:A:842:CLA:H43 | 1.92 | 0.51 |
| 2:B:298:HIS:HB3 | 2:B:303:ILE:HD11 | 1.92 | 0.51 |
| 16:4:139:GLU:OE1 | 37:4:315:A86:O2 | 2.26 | 0.51 |
| 27:15:171:ASP:OD1 | 27:15:186:ARG:NH1 | 2.43 | 0.51 |
| 1:A:403:THR:HG21 | 1:A:596:LEU:HG | 1.93 | 0.51 |
| 20:8:84:ASN:ND2 | 20:8:101:SER:O | 2.43 | 0.51 |
| 23:11:205:ARG:NH2 | 30:11:304:CLA:O1D | 2.42 | 0.51 |
| 30:A:832:CLA:H42 | 30:9:308:CLA:H52 | 1.91 | 0.51 |
| 2:B:720:TYR:HB2 | 30:B:801:CLA:HED3 | 1.92 | 0.51 |
| 30:A:817:CLA:H2 | 30:A:817:CLA:HBD | 1.92 | 0.51 |
| 30:B:806:CLA:H143 | 30:B:827:CLA:HBB2 | 1.92 | 0.51 |
| 4:D:116:ARG:HH22 | 4:D:138:GLU:HB2 | 1.75 | 0.51 |
| 13:1:101:THR:HG23 | 13:1:175:PRO:HG3 | 1.92 | 0.51 |
| 16:4:40:GLU:OE1 | 16:4:186:LYS:NZ | 2.44 | 0.51 |
| 28:16:65:ALA:HB2 | 30:16:301:CLA:HBA1 | 1.93 | 0.51 |
| 30:A:813:CLA:H121 | 33:A:849:BCR:H343 | 1.93 | 0.51 |
| 14:2:54:ASP:HA | 30:2:303:CLA:CGD | 2.38 | 0.51 |
| 18:6:157:PHE:HB2 | 30:6:309:CLA:HMD1 | 1.91 | 0.51 |
| 22:10:176:LEU:HG | 22:10:180:LYS:HE2 | 1.92 | 0.51 |
| 30:A:828:CLA:HMB3 | 30:A:836:CLA:H12 | 1.93 | 0.51 |
| 30:A:823:CLA:HMD2 | 33:A:847:BCR:H23C | 1.92 | 0.51 |
| 30:A:833:CLA:H171 | 33:L:205:BCR:H333 | 1.92 | 0.51 |
| 30:B:817:CLA:H122 | 30:B:817:CLA:HMC2 | 1.92 | 0.51 |
| 36:6:301:LMG:HC92 | 30:6:316:CLA:HMB2 | 1.93 | 0.51 |
| 1:A:128:ASN:HB3 | 1:A:136:GLN:HB3 | 1.92 | 0.51 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:A:833:CLA:H142 | 30:L:202:CLA:HAA2 | 1.92 | 0.51 |
| 18:6:45:TYR:OH | 18:6:55:ASP:OD2 | 2.29 | 0.51 |
| 23:11:44:GLU:OE1 | 30:11:310:CLA:C4C | 2.59 | 0.51 |
| 23:11:94:HIS:HB3 | 30:11:306:CLA:HED3 | 1.93 | 0.51 |
| 27:15:227:VAL:HG13 | 30:15:309:CLA:HED2 | 1.92 | 0.51 |
| 19:7:152:ARG:NH2 | 19:7:155:GLU:OE1 | 2.42 | 0.50 |
| 1:A:748:SER:HA | 1:A:751:ILE:HG12 | 1.93 | 0.50 |
| 30:B:826:CLA:HBC3 | 36:B:847:LMG:H421 | 1.93 | 0.50 |
| 17:5:172:LEU:HD22 | 30:5:308:CLA:H11 | 1.93 | 0.50 |
| 1:A:396:TRP:HB3 | 30:A:829:CLA:HMC3 | 1.93 | 0.50 |
| 30:A:804:CLA:HHC | 30:A:804:CLA:HBB1 | 1.94 | 0.50 |
| 2:B:523:ALA:HB2 | 30:B:835:CLA:HMA1 | 1.94 | 0.50 |
| 30:B:807:CLA:H92 | 30:B:807:CLA:HMC2 | 1.93 | 0.50 |
| 23:11:115:TRP:O | 35:11:317:LMT:O6' | 2.29 | 0.50 |
| 30:B:824:CLA:HBB1 | 30:B:836:CLA:HHB | 1.94 | 0.50 |
| 17:5:176:LYS:HB3 | 17:5:180:GLU:HG3 | 1.93 | 0.50 |
| 30:A:821:CLA:HHC | 30:A:821:CLA:HBB1 | 1.94 | 0.50 |
| 30:B:813:CLA:H112 | 30:B:818:CLA:H93 | 1.94 | 0.50 |
| 21:9:163:LEU:HD13 | 30:9:301:CLA:H91 | 1.94 | 0.50 |
| 9:L:36:ALA:HB2 | 30:L:202:CLA:HMD1 | 1.94 | 0.50 |
| 2:B:291:ARG:NH1 | 2:B:295:GLY:O | 2.44 | 0.50 |
| 30:7:303:CLA:H142 | 30:7:304:CLA:H161 | 1.93 | 0.50 |
| 30:A:841:CLA:HBB1 | 30:F:201:CLA:HMD1 | 1.93 | 0.49 |
| 27:15:193:PRO:HB2 | 27:15:195:THR:HG23 | 1.94 | 0.49 |
| 30:A:803:CLA:H91 | 31:A:845:PQN:H292 | 1.94 | 0.49 |
| 22:10:164:TYR:OH | 22:10:175:GLN:NE2 | 2.44 | 0.49 |
| 1:A:470:ASP:OD1 | 9:L:69:ARG:NH2 | 2.45 | 0.49 |
| 30:B:827:CLA:H202 | 33:B:843:BCR:H17C | 1.93 | 0.49 |
| 18:6:98:ARG:HB3 | 18:6:102:LEU:HD13 | 1.94 | 0.49 |
| 20:8:236:MET:HE1 | 30:8:305:CLA:H43 | 1.94 | 0.49 |
| 21:9:206:ASN:HD22 | 21:9:210:GLN:HG3 | 1.77 | 0.49 |
| 1:A:282:LEU:HD21 | 1:A:375:PRO:HD2 | 1.93 | 0.49 |
| 1:A:547:VAL:HG11 | 30:A:840:CLA:HMB3 | 1.94 | 0.49 |
| 21:9:118:LEU:HG | 21:9:128:GLN:HB2 | 1.93 | 0.49 |
| 28:16:208:SER:HB3 | 30:16:309:CLA:C4D | 2.42 | 0.49 |
| 1:A:411:ILE:HD13 | 30:A:831:CLA:HED3 | 1.93 | 0.49 |
| 30:A:817:CLA:H41 | 35:A:855:LMT:H6D | 1.95 | 0.49 |
| 23:11:198:LEU:HD23 | 30:11:310:CLA:HED2 | 1.95 | 0.49 |
| 2:B:181:LEU:HD13 | 30:B:813:CLA:HHB | 1.94 | 0.49 |
| 25:13:73:GLU:OE1 | 30:13:307:CLA:C1C | 2.61 | 0.49 |
| 26:14:54:VAL:HG12 | 36:14:321:LMG:HC92 | 1.94 | 0.49 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 1:A:121:ILE:HD13 | 33:J:103:BCR:H313 | 1.94 | 0.49 |
| 30:10:305:CLA:H202 | 30:10:308:CLA:HMD2 | 1.95 | 0.49 |
| 1:A:396:TRP:CD1 | 30:A:829:CLA:HAB | 2.47 | 0.49 |
| 9:L:143:LEU:HG | 30:L:203:CLA:HED3 | 1.94 | 0.49 |
| 2:B:188:ALA:HA | 30:B:815:CLA:HAB | 1.95 | 0.48 |
| 2:B:340:LEU:HB3 | 2:B:381:LEU:HD13 | 1.95 | 0.48 |
| 13:1:187:ASN:ND2 | 13:1:192:GLU:OE2 | 2.46 | 0.48 |
| 22:10:76:GLU:OE1 | 22:10:154:GLY:N | 2.40 | 0.48 |
| 26:14:101:GLN:OE1 | 30:14:303:CLA:C4A | 2.62 | 0.48 |
| 30:A:806:CLA:H72 | 33:A:849:BCR:H23C | 1.94 | 0.48 |
| 27:15:222:LYS:O | 27:15:226:LEU:N | 2.43 | 0.48 |
| 23:11:77:ARG:NH1 | 23:11:172:GLY:O | 2.47 | 0.48 |
| 1:A:217:GLN:HA | 1:A:221:ALA:HB3 | 1.95 | 0.48 |
| 30:A:839:CLA:H201 | 30:L:202:CLA:H102 | 1.95 | 0.48 |
| 30:B:807:CLA:HBB1 | 30:B:807:CLA:H111 | 1.96 | 0.48 |
| 4:D:40:ILE:HG12 | 4:D:50:ILE:HG12 | 1.95 | 0.48 |
| 20:8:257:GLN:NE2 | 37:8:315:A86:O2 | 2.45 | 0.48 |
| 1:A:737:ILE:HG21 | 30:A:829:CLA:HMC2 | 1.95 | 0.48 |
| 1:A:580:ARG:NH1 | 40:A:908:HOH:O | 2.45 | 0.48 |
| 30:B:805:CLA:HBA1 | 30:B:805:CLA:H3A | 1.74 | 0.48 |
| 30:B:817:CLA:HBC1 | 30:B:819:CLA:H193 | 1.96 | 0.48 |
| 36:B:849:LMG:H132 | 36:B:849:LMG:H301 | 1.96 | 0.48 |
| 13:1:86:ARG:NH2 | 13:1:198:GLU:OE2 | 2.44 | 0.48 |
| 27:15:228:SER:O | 27:15:232:ASN:ND2 | 2.47 | 0.48 |
| 1:A:574:PRO:HB3 | 1:A:721:ILE:HB | 1.96 | 0.47 |
| 8:J:20:THR:HG22 | 33:J:103:BCR:H15C | 1.95 | 0.47 |
| 1:A:197:MET:HE2 | 30:A:814:CLA:HBC2 | 1.97 | 0.47 |
| 26:14:68:ILE:O | 37:14:317:A86:O2 | 2.32 | 0.47 |
| 26:14:82:GLN:HG2 | 26:14:158:TYR:CD1 | 2.49 | 0.47 |
| 27:15:80:ASP:HB3 | 30:15:302:CLA:HBA2 | 1.96 | 0.47 |
| 30:15:307:CLA:HHC | 30:15:307:CLA:HBB1 | 1.96 | 0.47 |
| 1:A:289:LEU:HD21 | 1:A:374:MET:HB3 | 1.97 | 0.47 |
| 30:B:831:CLA:H61 | 30:B:831:CLA:H41 | 1.69 | 0.47 |
| 14:2:177:LYS:HD2 | 30:2:310:CLA:HBD | 1.96 | 0.47 |
| 28:16:122:LEU:HD11 | 28:16:200:VAL:HG12 | 1.96 | 0.47 |
| 20:8:270:PHE:HA | 30:8:308:CLA:HED2 | 1.95 | 0.47 |
| 23:11:59:ASP:OD2 | 23:11:59:ASP:N | 2.43 | 0.47 |
| 2:B:449:GLU:OE1 | 6:F:76:ARG:NE | 2.42 | 0.47 |
| 30:A:829:CLA:H121 | 30:A:831:CLA:H18 | 1.97 | 0.47 |
| 30:A:839:CLA:H191 | 30:L:202:CLA:H72 | 1.96 | 0.47 |
| 14:2:53:GLY:HA2 | 14:2:176:LEU:HD13 | 1.97 | 0.47 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:7:311:CLA:H162 | 30:7:311:CLA:H122 | 1.67 | 0.47 |
| 28:16:187:ASN:HA | 28:16:190:ARG:HD2 | 1.97 | 0.47 |
| 30:6:307:CLA:H61 | 30:6:307:CLA:H41 | 1.64 | 0.47 |
| 30:7:309:CLA:H52 | 30:7:309:CLA:H8 | 1.60 | 0.47 |
| 28:16:187:ASN:HA | 28:16:190:ARG:HB2 | 1.95 | 0.47 |
| 30:A:833:CLA:H111 | 33:L:205:BCR:H312 | 1.97 | 0.47 |
| 17:5:187:LYS:NZ | 38:5:310:KC1:O1A | 2.39 | 0.47 |
| 30:A:836:CLA:H41 | 30:A:836:CLA:H62 | 1.73 | 0.47 |
| 30:B:808:CLA:H141 | 30:B:808:CLA:HBA2 | 1.96 | 0.47 |
| 30:B:851:CLA:H13 | 30:2:307:CLA:HBB1 | 1.97 | 0.47 |
| 24:12:39:THR:HG21 | 24:12:173:ASN:HD21 | 1.79 | 0.47 |
| 30:B:827:CLA:H3A | 30:B:827:CLA:HBA2 | 1.64 | 0.46 |
| 4:D:23:ALA:HB1 | 4:D:28:LYS:HD2 | 1.97 | 0.46 |
| 13:1:205:ARG:NH2 | 30:1:301:CLA:O1D | 2.47 | 0.46 |
| 30:12:310:CLA:H162 | 30:12:310:CLA:H122 | 1.69 | 0.46 |
| 1:A:538:ILE:HD12 | 29:A:801:CL0:H63 | 1.97 | 0.46 |
| 2:B:421:LEU:HD13 | 2:B:531:LEU:HA | 1.97 | 0.46 |
| 30:B:811:CLA:HBA2 | 30:1:302:CLA:H52 | 1.98 | 0.46 |
| 15:3:93:ARG:HH12 | 15:3:104:ILE:HB | 1.79 | 0.46 |
| 1:A:220:ILE:HG23 | 1:A:240:PRO:HB3 | 1.96 | 0.46 |
| 31:A:845:PQN:H141 | 30:F:201:CLA:HBB2 | 1.98 | 0.46 |
| 18:6:198:ALA:HA | 18:6:208:VAL:HG12 | 1.97 | 0.46 |
| 25:13:97:HIS:ND1 | 25:13:184:PRO:O | 2.49 | 0.46 |
| 26:14:51:SER:HB2 | 26:14:208:ASN:HD21 | 1.81 | 0.46 |
| 2:B:526:LEU:HD12 | 30:B:836:CLA:HED3 | 1.98 | 0.46 |
| 18:6:206:PRO:O | 39:6:318:DD6:O2 | 2.33 | 0.46 |
| 26:14:114:ASP:OD2 | 26:14:114:ASP:N | 2.45 | 0.46 |
| 30:B:806:CLA:HMB2 | 30:B:828:CLA:HBB2 | 1.96 | 0.46 |
| 30:B:830:CLA:H18 | 33:F:204:BCR:H17C | 1.97 | 0.46 |
| 3:C:4:THR:HB | 3:C:68:TYR:HB2 | 1.98 | 0.46 |
| 30:13:307:CLA:HHC | 30:13:307:CLA:HBB1 | 1.97 | 0.46 |
| 1:A:508:TYR:HB2 | 1:A:523:MET:HG3 | 1.97 | 0.46 |
| 30:A:810:CLA:H152 | 30:A:812:CLA:H152 | 1.97 | 0.46 |
| 30:A:834:CLA:H161 | 30:B:838:CLA:HBA2 | 1.98 | 0.46 |
| 30:B:806:CLA:H41 | 30:B:806:CLA:H61 | 1.68 | 0.46 |
| 30:B:828:CLA:H192 | 30:B:838:CLA:H3A | 1.98 | 0.46 |
| 30:B:838:CLA:H18 | 7:I:20:ALA:HB2 | 1.98 | 0.46 |
| 1:A:226:LYS:HG2 | 1:A:253:LEU:HD22 | 1.98 | 0.46 |
| 2:B:237:ASP:HB2 | 2:B:268:TRP:HZ3 | 1.81 | 0.46 |
| 30:2:303:CLA:HBA2 | 30:2:303:CLA:H3A | 1.45 | 0.46 |
| 30:8:302:CLA:HMB1 | 30:8:302:CLA:HBB1 | 1.98 | 0.46 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:11:304:CLA:H41 | 30:11:304:CLA:H61 | 1.62 | 0.46 |
| 28:16:164:VAL:HG23 | 30:16:310:CLA:HED2 | 1.97 | 0.46 |
| 30:7:309:CLA:H162 | 25:13:81:LEU:HD11 | 1.98 | 0.46 |
| 35:12:320:LMT:H91 | 35:12:320:LMT:H62 | 1.79 | 0.46 |
| 1:A:370:HIS:ND1 | 30:A:819:CLA:OBD | 2.49 | 0.46 |
| 30:A:804:CLA:H162 | 30:A:804:CLA:H122 | 1.72 | 0.46 |
| 2:B:350:HIS:ND1 | 30:B:817:CLA:OBD | 2.46 | 0.46 |
| 30:B:835:CLA:H152 | 33:F:204:BCR:H23C | 1.97 | 0.46 |
| 30:1:307:CLA:H162 | 30:1:307:CLA:H122 | 1.73 | 0.46 |
| 24:12:169:ASP:HB2 | 30:12:308:CLA:HED2 | 1.96 | 0.46 |
| 30:A:835:CLA:HHD | 30:B:809:CLA:HBB2 | 1.98 | 0.45 |
| 9:L:41:LEU:HD21 | 30:9:302:CLA:HED1 | 1.97 | 0.45 |
| 14:2:78:HIS:CD2 | 30:2:307:CLA:HMD1 | 2.51 | 0.45 |
| 21:9:72:GLY:HA3 | 22:10:66:ARG:HB3 | 1.98 | 0.45 |
| 28:16:188:ASN:ND2 | 30:16:307:CLA:OBD | 2.49 | 0.45 |
| 1:A:413:MET:O | 1:A:558:ARG:NH1 | 2.39 | 0.45 |
| 1:A:719:LEU:HD21 | 31:A:845:PQN:H151 | 1.99 | 0.45 |
| 2:B:132:GLN:NE2 | 10:M:1:MET:O | 2.46 | 0.45 |
| 25:13:65:ILE:HG21 | 25:13:92:LEU:HG | 1.98 | 0.45 |
| 26:14:183:ASN:O | 37:14:320:A86:O2 | 2.35 | 0.45 |
| 1:A:363:LEU:HD21 | 30:A:820:CLA:H93 | 1.98 | 0.45 |
| 2:B:307:HIS:HA | 30:B:839:CLA:HMD1 | 1.97 | 0.45 |
| 14:2:43:PRO:HG3 | 15:3:146:GLU:HG3 | 1.98 | 0.45 |
| 19:7:134:ASP:OD1 | 37:7:315:A86:O2 | 2.33 | 0.45 |
| 37:9:316:A86:O2 | 37:9:316:A86:O | 2.35 | 0.45 |
| 24:12:170:SER:O | 24:12:174:ASN:ND2 | 2.42 | 0.45 |
| 1:A:289:LEU:HB2 | 1:A:294:ILE:HD11 | 1.98 | 0.45 |
| 30:A:826:CLA:H143 | 30:A:826:CLA:H111 | 1.82 | 0.45 |
| 6:F:156:THR:HG22 | 17:5:150:THR:HB | 1.98 | 0.45 |
| 30:A:802:CLA:HBB1 | 30:A:802:CLA:HMB1 | 1.99 | 0.45 |
| 2:B:524:LEU:HD21 | 30:B:802:CLA:HBB1 | 1.99 | 0.45 |
| 6:F:31:LYS:NZ | 6:F:81:SER:O | 2.50 | 0.45 |
| 14:2:102:PRO:HG2 | 14:2:105:LEU:HD12 | 1.98 | 0.45 |
| 30:3:305:CLA:H61 | 30:3:305:CLA:H41 | 1.64 | 0.45 |
| 30:5:307:CLA:HBA2 | 30:5:307:CLA:H3A | 1.65 | 0.45 |
| 24:12:159:VAL:HG13 | 26:14:62:GLN:HB2 | 1.97 | 0.45 |
| 9:L:75:LEU:HG | 9:L:140:LEU:HD12 | 1.98 | 0.45 |
| 13:1:189:SER:OG | 13:1:190:GLU:N | 2.49 | 0.45 |
| 30:4:302:CLA:H3A | 30:4:302:CLA:HBA2 | 1.76 | 0.45 |
| 25:13:90:GLU:OE1 | 25:13:180:ARG:NH1 | 2.48 | 0.45 |
| 28:16:77:ARG:NH2 | 30:16:301:CLA:O1D | 2.44 | 0.45 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 1:A:95:GLY:O | 1:A:99:SER:OG | 2.28 | 0.45 |
| 31:B:840:PQN:H222 | 31:B:840:PQN:H261 | 1.75 | 0.45 |
| 5:E:2:VAL:HG12 | 5:E:60:GLU:HG2 | 1.98 | 0.45 |
| 13:1:195:LYS:HA | 13:1:198:GLU:HB2 | 1.98 | 0.45 |
| 30:4:306:CLA:HMB2 | 30:4:306:CLA:H72 | 1.98 | 0.45 |
| 30:15:313:CLA:H61 | 30:15:313:CLA:H41 | 1.74 | 0.45 |
| 28:16:104:PRO:HA | 28:16:105:GLY:HA2 | 1.65 | 0.45 |
| 35:A:855:LMT:H32 | 30:6:316:CLA:HMD2 | 1.98 | 0.45 |
| 30:B:820:CLA:HMB1 | 30:B:820:CLA:HBB1 | 1.99 | 0.45 |
| 30:F:202:CLA:H71 | 30:F:202:CLA:H111 | 1.65 | 0.45 |
| 30:6:316:CLA:H8 | 30:6:316:CLA:H52 | 1.79 | 0.45 |
| 30:12:321:CLA:HHC | 30:12:321:CLA:HBB1 | 1.99 | 0.45 |
| 28:16:102:HIS:NE2 | 28:16:114:GLU:HG2 | 2.32 | 0.45 |
| 33:A:847:BCR:H20C | 33:A:847:BCR:H361 | 1.75 | 0.45 |
| 2:B:215:PRO:HA | 2:B:216:PRO:HD3 | 1.90 | 0.45 |
| 30:12:308:CLA:H41 | 30:12:308:CLA:H62 | 1.79 | 0.45 |
| 30:A:809:CLA:H3A | 30:A:809:CLA:HBA2 | 1.62 | 0.44 |
| 33:L:204:BCR:H20C | 33:L:204:BCR:H361 | 1.78 | 0.44 |
| 15:3:99:TYR:OH | 38:3:304:KC1:OBD | 2.33 | 0.44 |
| 37:11:316:A86:O2 | 35:11:318:LMT:O6' | 2.33 | 0.44 |
| 26:14:190:PHE:HA | 26:14:191:SER:HA | 1.72 | 0.44 |
| 1:A:389:SER:HB3 | 30:A:829:CLA:HMA1 | 1.99 | 0.44 |
| 16:4:180:TYR:CD2 | 30:4:306:CLA:H2 | 2.51 | 0.44 |
| 18:6:116:ASP:OD1 | 39:6:321:DD6:O2 | 2.35 | 0.44 |
| 37:11:315:A86:O3 | 35:11:317:LMT:O6' | 2.35 | 0.44 |
| 27:15:132:THR:HG23 | 27:15:134:ALA:H | 1.82 | 0.44 |
| 2:B:386:PHE:HZ | 30:B:824:CLA:HAB | 1.83 | 0.44 |
| 30:1:304:CLA:HBA2 | 30:1:304:CLA:H3A | 1.78 | 0.44 |
| 16:4:167:GLY:HA3 | 16:4:168:LEU:HG | 1.99 | 0.44 |
| 19:7:119:ARG:HH21 | 19:7:121:PRO:HA | 1.82 | 0.44 |
| 30:9:307:CLA:HBA2 | 30:9:307:CLA:H3A | 1.61 | 0.44 |
| 1:A:121:ILE:HB | 33:J:103:BCR:H322 | 1.99 | 0.44 |
| 1:A:686:PHE:HA | 31:A:845:PQN:H9 | 1.99 | 0.44 |
| 30:A:835:CLA:H152 | 33:L:201:BCR:H372 | 1.98 | 0.44 |
| 33:L:205:BCR:H323 | 30:9:306:CLA:HBA1 | 1.99 | 0.44 |
| 25:13:231:ALA:HA | 25:13:238:VAL:HB | 2.00 | 0.44 |
| 27:15:167:LEU:HD23 | 30:15:313:CLA:H43 | 2.00 | 0.44 |
| 30:15:303:CLA:HHC | 30:15:303:CLA:HBB1 | 1.99 | 0.44 |
| 30:A:812:CLA:H111 | 30:A:812:CLA:H72 | 1.80 | 0.44 |
| 30:B:833:CLA:HBA2 | 30:B:833:CLA:H3A | 1.65 | 0.44 |
| 30:4:306:CLA:H141 | 30:4:306:CLA:H162 | 1.86 | 0.44 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|-------------------|--------------------------|-------------------|
| 25:13:79:ASP:OD2 | 39:13:314:DD6:O4 | 2.36 | 0.44 |
| 27:15:255:LEU:HA | 27:15:256:LEU:HA | 1.71 | 0.44 |
| 1:A:215:GLY:HA3 | 30:A:816:CLA:HAB | 1.99 | 0.44 |
| 30:A:826:CLA:HBA1 | 30:A:830:CLA:H193 | 2.00 | 0.44 |
| 2:B:49:SER:HB2 | 30:B:805:CLA:HBB1 | 1.99 | 0.44 |
| 14:2:138:TRP:CE3 | 30:2:307:CLA:HHB | 2.53 | 0.44 |
| 15:3:40:VAL:O | 15:3:69:ARG:NH2 | 2.39 | 0.44 |
| 30:10:303:CLA:HBA2 | 30:10:303:CLA:H3A | 1.75 | 0.44 |
| 24:12:166:ARG:NH2 | 38:12:309:KC1:OBD | 2.51 | 0.44 |
| 30:5:302:CLA:H102 | 30:5:303:CLA:HMB3 | 1.98 | 0.44 |
| 21:9:131:THR:HA | 21:9:134:TRP:HB2 | 2.00 | 0.44 |
| 30:9:307:CLA:H112 | 30:9:307:CLA:H71 | 1.70 | 0.44 |
| 23:11:184:ARG:HD3 | 23:11:185:GLU:HG2 | 1.99 | 0.44 |
| 30:11:308:CLA:H41 | 30:11:308:CLA:H92 | 1.99 | 0.44 |
| 33:A:850:BCR:H20C | 33:A:850:BCR:H361 | 1.78 | 0.44 |
| 8:J:28:GLU:OE1 | 8:J:31:ARG:NH2 | 2.51 | 0.44 |
| 15:3:67:TRP:HB2 | 36:3:317:LMG:HC61 | 1.99 | 0.44 |
| 16:4:180:TYR:CG | 30:4:306:CLA:H2 | 2.53 | 0.44 |
| 38:4:310:KC1:O1A | 17:5:132:GLN:NE2 | 2.50 | 0.44 |
| 37:5:315:A86:O2 | 37:5:315:A86:O | 2.36 | 0.44 |
| 27:15:149:TRP:NE1 | 27:15:266:GLN:O | 2.49 | 0.44 |
| 1:A:297:HIS:HE2 | 30:A:820:CLA:C2B | 2.31 | 0.43 |
| 1:A:465:LEU:HG | 30:B:809:CLA:HMC3 | 1.99 | 0.43 |
| 30:A:813:CLA:H41 | 30:A:813:CLA:H62 | 1.80 | 0.43 |
| 30:A:814:CLA:H41 | 30:A:814:CLA:H61 | 1.80 | 0.43 |
| 2:B:344:THR:HB | 2:B:378:ALA:HB2 | 2.00 | 0.43 |
| 30:B:813:CLA:H42 | 33:B:842:BCR:H19C | 2.00 | 0.43 |
| 6:F:144:ILE:HG12 | 8:J:10:THR:HG22 | 2.00 | 0.43 |
| 9:L:41:LEU:HB3 | 9:L:46:ARG:HG2 | 2.00 | 0.43 |
| 13:1:212:THR:HG22 | 30:1:307:CLA:HBC2 | 2.00 | 0.43 |
| 30:9:307:CLA:H61 | 30:9:307:CLA:H41 | 1.70 | 0.43 |
| 1:A:409:ALA:HB1 | 33:A:850:BCR:HC42 | 2.00 | 0.43 |
| 26:14:82:GLN:HG2 | 26:14:158:TYR:CG | 2.52 | 0.43 |
| 28:16:58:LYS:HE2 | 28:16:58:LYS:HB3 | 1.68 | 0.43 |
| 1:A:169:MET:HG3 | 33:A:848:BCR:H322 | 2.00 | 0.43 |
| 30:A:821:CLA:H41 | 30:A:821:CLA:H62 | 1.63 | 0.43 |
| 30:B:837:CLA:H62 | 30:B:837:CLA:H41 | 1.83 | 0.43 |
| 6:F:90:ASP:OD2 | 6:F:90:ASP:N | 2.45 | 0.43 |
| 28:16:186:LEU:O | 28:16:190:ARG:N | 2.50 | 0.43 |
| 1:A:86:LEU:HD22 | 30:A:810:CLA:H202 | 2.00 | 0.43 |
| 1:A:349:TRP:CD1 | 30:A:826:CLA:H202 | 2.53 | 0.43 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:4:305:CLA:H62 | 30:4:305:CLA:H41 | 1.68 | 0.43 |
| 30:A:810:CLA:H42 | 33:J:102:BCR:H21C | 2.01 | 0.43 |
| 30:2:304:CLA:H2 | 30:2:304:CLA:HED2 | 2.01 | 0.43 |
| 30:10:303:CLA:H112 | 30:10:303:CLA:H151 | 1.68 | 0.43 |
| 30:10:309:CLA:H101 | 30:10:309:CLA:H62 | 1.73 | 0.43 |
| 1:A:51:ASN:ND2 | 40:A:909:HOH:O | 2.50 | 0.43 |
| 1:A:393:HIS:CE1 | 30:A:829:CLA:ND | 2.86 | 0.43 |
| 1:A:419:PRO:HG2 | 4:D:42:GLU:HB2 | 2.01 | 0.43 |
| 2:B:376:TYR:CD1 | 30:B:826:CLA:HAB | 2.54 | 0.43 |
| 30:B:838:CLA:H62 | 30:B:838:CLA:H41 | 1.72 | 0.43 |
| 30:9:305:CLA:H91 | 30:9:305:CLA:H112 | 1.81 | 0.43 |
| 30:15:313:CLA:H122 | 30:15:313:CLA:H162 | 1.88 | 0.43 |
| 28:16:172:THR:HG22 | 28:16:174:ASN:H | 1.83 | 0.43 |
| 1:A:268:HIS:NE2 | 35:A:857:LMT:O5B | 2.47 | 0.43 |
| 30:B:824:CLA:H172 | 30:4:301:CLA:HBC1 | 2.00 | 0.43 |
| 23:11:95:PHE:N | 30:11:306:CLA:OBD | 2.48 | 0.43 |
| 24:12:85:ALA:HB3 | 24:12:87:ILE:HD12 | 2.00 | 0.43 |
| 30:16:301:CLA:H142 | 30:16:301:CLA:H112 | 1.85 | 0.43 |
| 1:A:566:LYS:NZ | 2:B:672:GLU:OE2 | 2.47 | 0.43 |
| 30:A:833:CLA:H111 | 30:A:833:CLA:H91 | 1.91 | 0.43 |
| 19:7:211:ILE:HG21 | 30:7:306:CLA:HMC3 | 2.00 | 0.43 |
| 1:A:80:GLN:HB2 | 30:A:806:CLA:HMB2 | 2.00 | 0.43 |
| 1:A:200:HIS:CG | 30:A:814:CLA:HMC2 | 2.54 | 0.43 |
| 1:A:631:ILE:HD13 | 1:A:751:ILE:HD12 | 2.01 | 0.43 |
| 29:A:801:CL0:C1A | 30:B:801:CLA:HAB | 2.49 | 0.43 |
| 30:A:830:CLA:HHC | 30:A:830:CLA:HBB1 | 2.00 | 0.43 |
| 2:B:579:MET:HG3 | 2:B:709:LEU:HD21 | 2.01 | 0.43 |
| 30:B:804:CLA:H41 | 33:L:204:BCR:HC32 | 2.01 | 0.43 |
| 30:B:837:CLA:H52 | 30:B:838:CLA:H93 | 2.00 | 0.43 |
| 33:B:845:BCR:H361 | 33:B:845:BCR:H20C | 1.77 | 0.43 |
| 30:3:303:CLA:H92 | 30:3:303:CLA:H61 | 1.84 | 0.43 |
| 30:16:301:CLA:H143 | 30:16:301:CLA:H161 | 1.88 | 0.43 |
| 30:7:311:CLA:H61 | 35:7:321:LMT:H42 | 2.01 | 0.43 |
| 20:8:170:THR:OG1 | 20:8:173:GLU:OE1 | 2.29 | 0.43 |
| 22:10:99:ARG:HH12 | 22:10:110:ILE:HG13 | 1.83 | 0.43 |
| 1:A:245:ILE:HG22 | 35:7:301:LMT:H51 | 2.01 | 0.42 |
| 29:A:801:CL0:H11 | 30:B:801:CLA:HAA1 | 2.01 | 0.42 |
| 30:A:841:CLA:H172 | 6:F:125:GLY:HA2 | 2.00 | 0.42 |
| 3:C:29:VAL:HG12 | 4:D:110:ARG:HB3 | 2.01 | 0.42 |
| 4:D:28:LYS:HB3 | 4:D:86:ILE:HB | 2.01 | 0.42 |
| 30:6:309:CLA:H91 | 30:6:309:CLA:H112 | 1.82 | 0.42 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:11:308:CLA:H162 | 30:11:308:CLA:H122 | 1.68 | 0.42 |
| 24:12:174:ASN:ND2 | 30:12:308:CLA:OBD | 2.52 | 0.42 |
| 30:A:811:CLA:H112 | 30:A:811:CLA:H72 | 1.75 | 0.42 |
| 30:2:311:CLA:H141 | 30:3:303:CLA:H171 | 2.00 | 0.42 |
| 18:6:111:ALA:O | 39:6:319:DD6:O2 | 2.37 | 0.42 |
| 30:12:303:CLA:H2 | 30:12:303:CLA:HED3 | 2.01 | 0.42 |
| 30:13:307:CLA:H41 | 30:13:307:CLA:H62 | 1.86 | 0.42 |
| 27:15:64:GLU:HG2 | 27:15:65:LEU:N | 2.33 | 0.42 |
| 1:A:589:TRP:CD1 | 30:A:831:CLA:HMD1 | 2.54 | 0.42 |
| 30:A:829:CLA:H143 | 30:A:829:CLA:H112 | 1.85 | 0.42 |
| 31:A:845:PQN:H18 | 31:A:845:PQN:H222 | 1.79 | 0.42 |
| 2:B:181:LEU:HD21 | 30:B:813:CLA:H12 | 2.00 | 0.42 |
| 30:B:806:CLA:H51 | 30:B:828:CLA:H92 | 2.01 | 0.42 |
| 30:3:301:CLA:H61 | 30:3:301:CLA:H41 | 1.91 | 0.42 |
| 30:12:312:CLA:H193 | 30:12:312:CLA:H161 | 1.89 | 0.42 |
| 28:16:108:SER:OG | 28:16:109:SER:N | 2.53 | 0.42 |
| 30:A:824:CLA:H52 | 30:A:824:CLA:H11 | 1.77 | 0.42 |
| 2:B:298:HIS:CE1 | 30:B:820:CLA:NA | 2.87 | 0.42 |
| 30:B:812:CLA:HAC2 | 30:1:302:CLA:H13 | 2.01 | 0.42 |
| 30:2:308:CLA:HBA2 | 30:2:308:CLA:H3A | 1.67 | 0.42 |
| 30:5:304:CLA:H3A | 30:5:304:CLA:HBA2 | 1.74 | 0.42 |
| 30:6:314:CLA:H41 | 30:6:314:CLA:H62 | 1.57 | 0.42 |
| 26:14:133:SER:O | 26:14:137:LYS:HE3 | 2.19 | 0.42 |
| 1:A:397:ILE:HG21 | 30:A:830:CLA:HHC | 2.02 | 0.42 |
| 1:A:584:CYS:HB2 | 2:B:666:TRP:HB3 | 2.02 | 0.42 |
| 30:A:833:CLA:H61 | 30:A:833:CLA:H41 | 1.69 | 0.42 |
| 33:A:849:BCR:H15C | 33:A:849:BCR:H351 | 1.86 | 0.42 |
| 17:5:117:ASP:OD2 | 17:5:206:ASN:ND2 | 2.51 | 0.42 |
| 30:6:309:CLA:H92 | 30:6:309:CLA:H62 | 1.85 | 0.42 |
| 20:8:223:SER:HB2 | 20:8:226:LYS:HB2 | 2.00 | 0.42 |
| 35:12:319:LMT:H6E | 35:12:319:LMT:H5B | 2.01 | 0.42 |
| 30:B:834:CLA:HMB1 | 30:B:834:CLA:HBB1 | 2.01 | 0.42 |
| 33:F:204:BCR:H353 | 30:4:301:CLA:H2 | 2.01 | 0.42 |
| 8:J:12:PRO:HB2 | 33:J:103:BCR:H391 | 2.01 | 0.42 |
| 30:10:304:CLA:H2 | 30:10:304:CLA:HED3 | 2.02 | 0.42 |
| 1:A:684:LEU:HB2 | 30:A:803:CLA:HMC3 | 2.00 | 0.42 |
| 30:7:306:CLA:H3A | 30:7:306:CLA:HBA1 | 1.82 | 0.42 |
| 30:7:307:CLA:HBA2 | 30:7:307:CLA:H3A | 1.66 | 0.42 |
| 20:8:225:LEU:HD13 | 20:8:233:ILE:HG12 | 2.01 | 0.42 |
| 27:15:163:VAL:O | 27:15:167:LEU:N | 2.47 | 0.42 |
| 30:A:805:CLA:H2 | 30:A:812:CLA:H92 | 2.01 | 0.42 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:A:811:CLA:H203 | 30:A:811:CLA:H161 | 1.89 | 0.42 |
| 2:B:715:GLY:O | 2:B:719:THR:OG1 | 2.27 | 0.42 |
| 30:1:304:CLA:H101 | 30:1:304:CLA:H62 | 1.91 | 0.42 |
| 14:2:84:LEU:HD22 | 30:2:305:CLA:H93 | 2.01 | 0.42 |
| 30:2:309:CLA:H41 | 30:2:309:CLA:H62 | 1.75 | 0.42 |
| 30:3:306:CLA:H142 | 30:3:306:CLA:H111 | 1.88 | 0.42 |
| 30:7:307:CLA:H151 | 30:13:302:CLA:H8 | 2.00 | 0.42 |
| 23:11:111:SER:OG | 23:11:112:GLU:N | 2.53 | 0.42 |
| 28:16:106:MET:HA | 28:16:112:SER:HA | 2.00 | 0.42 |
| 30:A:822:CLA:HBC3 | 30:A:828:CLA:H193 | 2.02 | 0.42 |
| 2:B:91:ILE:HB | 2:B:111:PRO:HB2 | 2.01 | 0.42 |
| 30:B:816:CLA:HBA2 | 30:B:816:CLA:H3A | 1.70 | 0.42 |
| 33:B:844:BCR:H24C | 33:B:844:BCR:H371 | 1.84 | 0.42 |
| 3:C:66:ARG:HA | 3:C:66:ARG:HD2 | 1.86 | 0.42 |
| 30:F:201:CLA:H101 | 8:J:14:LEU:HD22 | 2.01 | 0.42 |
| 14:2:180:LYS:HD3 | 30:2:309:CLA:CAD | 2.50 | 0.42 |
| 15:3:83:VAL:HG23 | 15:3:186:ILE:HD12 | 2.02 | 0.42 |
| 35:6:302:LMT:O3' | 35:6:302:LMT:O2B | 2.36 | 0.42 |
| 20:8:228:LYS:HB3 | 20:8:232:GLU:HG3 | 2.02 | 0.42 |
| 22:10:204:PRO:O | 39:10:313:DD6:O2 | 2.36 | 0.42 |
| 26:14:122:ALA:H | 26:14:123:GLY:HA2 | 1.83 | 0.42 |
| 30:A:805:CLA:HMC3 | 30:A:807:CLA:HED3 | 2.02 | 0.42 |
| 30:A:820:CLA:HBA2 | 30:A:820:CLA:H3A | 1.88 | 0.42 |
| 30:A:829:CLA:H91 | 30:A:831:CLA:H192 | 2.02 | 0.42 |
| 8:J:31:ARG:NH2 | 30:J:101:CLA:O1D | 2.53 | 0.42 |
| 30:2:303:CLA:H61 | 30:2:303:CLA:H41 | 1.88 | 0.42 |
| 19:7:187:LYS:HA | 19:7:187:LYS:HD3 | 1.86 | 0.42 |
| 24:12:128:ILE:HG13 | 30:12:310:CLA:HMA1 | 2.02 | 0.42 |
| 30:15:304:CLA:H3A | 30:15:304:CLA:HBA2 | 1.86 | 0.42 |
| 30:A:820:CLA:HAB | 30:A:820:CLA:H111 | 2.01 | 0.41 |
| 30:B:834:CLA:HMB2 | 30:B:836:CLA:HED1 | 2.02 | 0.41 |
| 27:15:105:GLU:HA | 27:15:108:HIS:HB2 | 2.00 | 0.41 |
| 1:A:44:LYS:HE3 | 1:A:44:LYS:HB2 | 1.81 | 0.41 |
| 1:A:59:PHE:CD1 | 30:A:806:CLA:HMC2 | 2.55 | 0.41 |
| 2:B:271:ASP:HB3 | 30:B:817:CLA:HMA1 | 2.02 | 0.41 |
| 2:B:480:PRO:HA | 2:B:485:THR:HG21 | 2.02 | 0.41 |
| 30:B:830:CLA:H62 | 30:B:830:CLA:H2 | 1.75 | 0.41 |
| 25:13:183:THR:HB | 25:13:186:LYS:HD3 | 2.00 | 0.41 |
| 30:13:301:CLA:H91 | 30:13:301:CLA:H112 | 1.85 | 0.41 |
| 30:15:302:CLA:H102 | 30:15:303:CLA:H61 | 2.01 | 0.41 |
| 2:B:141:LEU:HD21 | 33:B:843:BCR:H24C | 2.03 | 0.41 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 2:B:476:LEU:O | 2:B:485:THR:OG1 | 2.38 | 0.41 |
| 38:5:312:KC1:C4D | 34:5:317:LHG:HC81 | 2.50 | 0.41 |
| 19:7:156:ILE:HG21 | 19:7:234:GLY:HA3 | 2.02 | 0.41 |
| 27:15:101:LEU:HD23 | 27:15:101:LEU:HA | 1.89 | 0.41 |
| 30:15:313:CLA:HMA2 | 30:15:313:CLA:H2 | 2.03 | 0.41 |
| 28:16:100:GLY:O | 28:16:102:HIS:ND1 | 2.51 | 0.41 |
| 9:L:89:LEU:HB3 | 33:L:204:BCR:H401 | 2.02 | 0.41 |
| 33:L:201:BCR:H20C | 33:L:201:BCR:H361 | 1.86 | 0.41 |
| 30:L:203:CLA:HBA1 | 30:L:203:CLA:H3A | 1.82 | 0.41 |
| 30:11:304:CLA:H3A | 30:11:304:CLA:HBA2 | 1.82 | 0.41 |
| 30:12:302:CLA:H61 | 30:12:302:CLA:H41 | 1.65 | 0.41 |
| 1:A:710:PHE:HB3 | 6:F:126:ARG:HG3 | 2.03 | 0.41 |
| 30:A:833:CLA:HAA1 | 9:L:22:THR:HG22 | 2.02 | 0.41 |
| 33:A:849:BCR:H20C | 33:A:849:BCR:H361 | 1.84 | 0.41 |
| 30:B:835:CLA:H142 | 30:B:835:CLA:H112 | 1.93 | 0.41 |
| 33:J:102:BCR:H15C | 33:J:102:BCR:H351 | 1.90 | 0.41 |
| 24:12:152:PRO:HG3 | 30:12:321:CLA:H8 | 1.70 | 0.41 |
| 27:15:116:PHE:HE2 | 27:15:243:PHE:HE2 | 1.68 | 0.41 |
| 30:A:838:CLA:HBB1 | 30:A:838:CLA:HMB1 | 2.01 | 0.41 |
| 2:B:148:LEU:HD21 | 30:1:302:CLA:H201 | 2.01 | 0.41 |
| 2:B:261:HIS:HD2 | 2:B:264:THR:H | 1.69 | 0.41 |
| 2:B:425:SER:HB3 | 2:B:528:VAL:HG22 | 2.01 | 0.41 |
| 30:5:302:CLA:H162 | 30:5:302:CLA:H122 | 1.81 | 0.41 |
| 30:8:305:CLA:H142 | 30:8:305:CLA:H112 | 1.85 | 0.41 |
| 21:9:145:GLU:OE1 | 30:9:307:CLA:NA | 2.53 | 0.41 |
| 26:14:176:ILE:HA | 26:14:177:PRO:HD3 | 1.86 | 0.41 |
| 36:14:321:LMG:HC71 | 27:15:173:CYS:SG | 2.60 | 0.41 |
| 28:16:80:GLU:OE1 | 30:16:301:CLA:C4A | 2.69 | 0.41 |
| 1:A:36:SER:HB3 | 1:A:39:LEU:HB2 | 2.02 | 0.41 |
| 1:A:393:HIS:HE2 | 30:A:830:CLA:C1B | 2.34 | 0.41 |
| 30:A:819:CLA:HBA2 | 30:A:819:CLA:H3A | 1.79 | 0.41 |
| 30:A:831:CLA:H142 | 30:A:831:CLA:H112 | 1.91 | 0.41 |
| 30:B:801:CLA:H102 | 30:B:801:CLA:H62 | 1.82 | 0.41 |
| 30:B:809:CLA:H101 | 30:B:826:CLA:H171 | 2.01 | 0.41 |
| 30:B:812:CLA:H121 | 30:B:812:CLA:H162 | 1.89 | 0.41 |
| 30:10:309:CLA:H41 | 30:10:309:CLA:H61 | 1.69 | 0.41 |
| 23:11:44:GLU:OE1 | 30:11:310:CLA:C1C | 2.67 | 0.41 |
| 35:12:301:LMT:H71 | 35:12:301:LMT:H102 | 1.92 | 0.41 |
| 30:14:302:CLA:H3A | 30:14:302:CLA:HBA2 | 1.86 | 0.41 |
| 30:A:817:CLA:H11 | 30:6:316:CLA:CGA | 2.51 | 0.41 |
| 2:B:186:SER:OG | 2:B:276:GLN:O | 2.39 | 0.41 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 30:B:828:CLA:H142 | 36:B:847:LMG:H212 | 2.03 | 0.41 |
| 30:1:303:CLA:H143 | 30:1:303:CLA:H112 | 1.83 | 0.41 |
| 15:3:160:SER:OG | 15:3:161:SER:N | 2.52 | 0.41 |
| 30:10:303:CLA:H192 | 30:10:307:CLA:H203 | 2.03 | 0.41 |
| 30:13:301:CLA:HBA2 | 30:13:301:CLA:H3A | 1.77 | 0.41 |
| 30:16:303:CLA:HMC1 | 30:16:303:CLA:H192 | 2.03 | 0.41 |
| 30:A:822:CLA:H101 | 33:A:851:BCR:H10C | 2.02 | 0.41 |
| 30:B:806:CLA:H111 | 30:B:806:CLA:H72 | 1.79 | 0.41 |
| 30:B:808:CLA:H162 | 30:B:826:CLA:H201 | 2.03 | 0.41 |
| 16:4:156:LYS:NZ | 30:4:311:CLA:OBD | 2.54 | 0.41 |
| 30:5:303:CLA:H2 | 30:5:303:CLA:HED3 | 2.02 | 0.41 |
| 30:6:306:CLA:H3A | 30:6:306:CLA:HBA2 | 1.83 | 0.41 |
| 30:6:316:CLA:C1C | 30:6:316:CLA:H51 | 2.51 | 0.41 |
| 19:7:147:ASP:OD1 | 19:7:147:ASP:N | 2.54 | 0.41 |
| 20:8:103:ILE:HA | 20:8:104:PRO:HD3 | 1.91 | 0.41 |
| 30:8:302:CLA:H41 | 30:8:302:CLA:H61 | 1.71 | 0.41 |
| 21:9:97:MET:SD | 30:9:308:CLA:HAB | 2.61 | 0.41 |
| 24:12:43:GLY:HA2 | 24:12:44:PRO:HA | 1.92 | 0.41 |
| 30:14:302:CLA:H62 | 30:14:302:CLA:H41 | 1.63 | 0.41 |
| 30:15:302:CLA:H93 | 30:15:302:CLA:H61 | 1.84 | 0.41 |
| 30:15:304:CLA:H111 | 30:15:304:CLA:H152 | 1.57 | 0.41 |
| 1:A:448:LEU:HB3 | 1:A:541:PHE:HB2 | 2.02 | 0.41 |
| 30:B:822:CLA:HMA1 | 30:B:839:CLA:CGD | 2.51 | 0.41 |
| 9:L:41:LEU:HD23 | 9:L:41:LEU:HA | 1.90 | 0.41 |
| 30:6:306:CLA:H93 | 30:6:306:CLA:H111 | 1.88 | 0.41 |
| 20:8:225:LEU:HA | 20:8:228:LYS:HG3 | 2.02 | 0.41 |
| 1:A:331:GLY:N | 34:A:853:LHG:HC32 | 2.36 | 0.40 |
| 30:A:829:CLA:H111 | 30:A:829:CLA:H72 | 1.77 | 0.40 |
| 30:A:843:CLA:H111 | 30:A:843:CLA:H72 | 1.93 | 0.40 |
| 2:B:40:GLU:HA | 2:B:164:LEU:HD13 | 2.02 | 0.40 |
| 30:B:809:CLA:H111 | 30:B:809:CLA:H152 | 1.83 | 0.40 |
| 30:B:821:CLA:HBC2 | 30:B:822:CLA:HBA1 | 2.03 | 0.40 |
| 9:L:46:ARG:O | 9:L:50:ILE:HG12 | 2.21 | 0.40 |
| 30:5:308:CLA:H203 | 30:5:308:CLA:H162 | 1.91 | 0.40 |
| 30:9:305:CLA:H161 | 30:9:305:CLA:H122 | 1.76 | 0.40 |
| 30:12:303:CLA:H151 | 30:12:303:CLA:H112 | 1.87 | 0.40 |
| 2:B:591:PHE:CE2 | 2:B:623:LEU:HD21 | 2.56 | 0.40 |
| 3:C:72:GLU:HB3 | 3:C:77:LEU:HG | 2.04 | 0.40 |
| 33:M:101:BCR:H15C | 33:M:101:BCR:H351 | 1.88 | 0.40 |
| 23:11:73:ILE:HG12 | 23:11:201:ILE:HG12 | 2.04 | 0.40 |
| 30:12:308:CLA:H142 | 30:12:308:CLA:H111 | 1.90 | 0.40 |

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| Atom-1 | Atom-2 | Interatomic distance (Å) | Clash overlap (Å) |
|--------------------|--------------------|--------------------------|-------------------|
| 25:13:100:VAL:HG12 | 25:13:215:ILE:HG12 | 2.03 | 0.40 |
| 26:14:201:ASP:O | 26:14:205:LYS:HG2 | 2.21 | 0.40 |
| 30:15:303:CLA:H72 | 30:15:303:CLA:H111 | 1.82 | 0.40 |
| 1:A:345:LEU:HB3 | 1:A:352:GLN:HE21 | 1.86 | 0.40 |
| 1:A:706:ASN:HB3 | 6:F:180:VAL:HG13 | 2.04 | 0.40 |
| 30:A:839:CLA:H92 | 30:A:839:CLA:H61 | 1.90 | 0.40 |
| 2:B:267:LEU:HD13 | 30:B:817:CLA:HMA2 | 2.02 | 0.40 |
| 30:B:809:CLA:H203 | 30:B:809:CLA:H161 | 1.88 | 0.40 |
| 33:B:846:BCR:H20C | 33:B:846:BCR:H361 | 1.87 | 0.40 |
| 30:8:301:CLA:HBA2 | 30:8:301:CLA:H3A | 1.71 | 0.40 |
| 30:8:303:CLA:H62 | 30:8:303:CLA:H41 | 1.80 | 0.40 |
| 30:B:813:CLA:H93 | 30:B:827:CLA:HBC1 | 2.02 | 0.40 |
| 30:B:816:CLA:H62 | 30:B:816:CLA:H41 | 1.79 | 0.40 |
| 33:L:205:BCR:H20C | 33:L:205:BCR:H361 | 1.93 | 0.40 |
| 16:4:161:LEU:HB2 | 30:4:306:CLA:HMD1 | 2.03 | 0.40 |
| 21:9:123:LEU:HA | 21:9:123:LEU:HD23 | 1.83 | 0.40 |
| 25:13:227:GLY:O | 25:13:231:ALA:N | 2.45 | 0.40 |
| 30:A:816:CLA:H71 | 30:A:816:CLA:H111 | 1.65 | 0.40 |
| 30:A:818:CLA:CHD | 30:A:819:CLA:HBB2 | 2.51 | 0.40 |
| 30:A:844:CLA:H161 | 30:A:844:CLA:H121 | 1.94 | 0.40 |
| 30:B:811:CLA:H193 | 30:1:303:CLA:H61 | 2.03 | 0.40 |
| 30:B:835:CLA:HBB1 | 30:B:835:CLA:H72 | 2.02 | 0.40 |
| 30:B:838:CLA:H93 | 30:B:838:CLA:H111 | 1.95 | 0.40 |
| 30:F:201:CLA:H162 | 30:F:201:CLA:H122 | 1.80 | 0.40 |
| 13:1:79:ASP:OD1 | 13:1:79:ASP:N | 2.54 | 0.40 |
| 30:1:301:CLA:C1B | 30:1:301:CLA:H42 | 2.51 | 0.40 |
| 30:7:309:CLA:H62 | 30:13:302:CLA:H43 | 2.03 | 0.40 |
| 21:9:136:GLN:NE2 | 30:9:306:CLA:C4D | 2.85 | 0.40 |

There are no symmetry-related clashes.

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 PDB entries followed by that with respect to all EM entries.

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 | |
|-----|-------|-----------------|------------|----------|----------|-------------|-----|
| 1 | A | 739/751 (98%) | 712 (96%) | 25 (3%) | 2 (0%) | 37 | 51 |
| 2 | B | 729/733 (100%) | 699 (96%) | 29 (4%) | 1 (0%) | 48 | 65 |
| 3 | C | 78/81 (96%) | 73 (94%) | 3 (4%) | 2 (3%) | 4 | 4 |
| 4 | D | 129/139 (93%) | 109 (84%) | 18 (14%) | 2 (2%) | 8 | 11 |
| 5 | E | 58/67 (87%) | 55 (95%) | 3 (5%) | 0 | 100 | 100 |
| 6 | F | 159/185 (86%) | 152 (96%) | 7 (4%) | 0 | 100 | 100 |
| 7 | I | 33/36 (92%) | 30 (91%) | 3 (9%) | 0 | 100 | 100 |
| 8 | J | 39/41 (95%) | 39 (100%) | 0 | 0 | 100 | 100 |
| 9 | L | 133/151 (88%) | 128 (96%) | 5 (4%) | 0 | 100 | 100 |
| 10 | M | 28/30 (93%) | 28 (100%) | 0 | 0 | 100 | 100 |
| 12 | 2u | 87/121 (72%) | 87 (100%) | 0 | 0 | 100 | 100 |
| 13 | 1 | 137/227 (60%) | 130 (95%) | 7 (5%) | 0 | 100 | 100 |
| 14 | 2 | 170/205 (83%) | 151 (89%) | 19 (11%) | 0 | 100 | 100 |
| 15 | 3 | 162/200 (81%) | 151 (93%) | 9 (6%) | 2 (1%) | 11 | 16 |
| 16 | 4 | 177/215 (82%) | 167 (94%) | 10 (6%) | 0 | 100 | 100 |
| 17 | 5 | 167/266 (63%) | 157 (94%) | 10 (6%) | 0 | 100 | 100 |
| 18 | 6 | 172/208 (83%) | 167 (97%) | 5 (3%) | 0 | 100 | 100 |
| 19 | 7 | 186/296 (63%) | 179 (96%) | 7 (4%) | 0 | 100 | 100 |
| 20 | 8 | 211/270 (78%) | 203 (96%) | 8 (4%) | 0 | 100 | 100 |
| 21 | 9 | 161/214 (75%) | 149 (92%) | 12 (8%) | 0 | 100 | 100 |
| 22 | 10 | 167/207 (81%) | 157 (94%) | 8 (5%) | 2 (1%) | 11 | 16 |
| 23 | 11 | 189/229 (82%) | 173 (92%) | 16 (8%) | 0 | 100 | 100 |
| 24 | 12 | 171/204 (84%) | 160 (94%) | 11 (6%) | 0 | 100 | 100 |
| 25 | 13 | 144/244 (59%) | 133 (92%) | 11 (8%) | 0 | 100 | 100 |
| 26 | 14 | 206/249 (83%) | 177 (86%) | 29 (14%) | 0 | 100 | 100 |
| 27 | 15 | 209/281 (74%) | 171 (82%) | 37 (18%) | 1 (0%) | 25 | 38 |
| 28 | 16 | 172/218 (79%) | 157 (91%) | 15 (9%) | 0 | 100 | 100 |
| All | All | 5013/6068 (83%) | 4694 (94%) | 307 (6%) | 12 (0%) | 45 | 59 |

All (12) Ramachandran outliers are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 1 | A | 122 | VAL |

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| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 4 | D | 92 | VAL |
| 2 | B | 492 | TRP |
| 3 | C | 62 | PHE |
| 3 | C | 63 | LEU |
| 4 | D | 91 | GLU |
| 22 | 10 | 204 | PRO |
| 22 | 10 | 205 | TYR |
| 27 | 15 | 250 | PRO |
| 15 | 3 | 162 | LYS |
| 1 | A | 234 | PRO |
| 15 | 3 | 105 | PRO |

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 PDB entries followed by that with respect to all EM entries.

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 | |
|-----|-------|----------------|------------|----------|-------------|-----|
| 1 | A | 602/611 (98%) | 601 (100%) | 1 (0%) | 92 | 97 |
| 2 | B | 592/593 (100%) | 589 (100%) | 3 (0%) | 86 | 94 |
| 3 | C | 69/70 (99%) | 66 (96%) | 3 (4%) | 25 | 42 |
| 4 | D | 111/119 (93%) | 111 (100%) | 0 | 100 | 100 |
| 5 | E | 51/58 (88%) | 51 (100%) | 0 | 100 | 100 |
| 6 | F | 132/153 (86%) | 132 (100%) | 0 | 100 | 100 |
| 7 | I | 29/29 (100%) | 29 (100%) | 0 | 100 | 100 |
| 8 | J | 37/37 (100%) | 37 (100%) | 0 | 100 | 100 |
| 9 | L | 107/121 (88%) | 107 (100%) | 0 | 100 | 100 |
| 10 | M | 24/24 (100%) | 24 (100%) | 0 | 100 | 100 |
| 12 | 2u | 69/94 (73%) | 69 (100%) | 0 | 100 | 100 |
| 13 | 1 | 114/183 (62%) | 113 (99%) | 1 (1%) | 75 | 88 |
| 14 | 2 | 134/154 (87%) | 134 (100%) | 0 | 100 | 100 |
| 15 | 3 | 128/154 (83%) | 127 (99%) | 1 (1%) | 79 | 90 |
| 16 | 4 | 142/165 (86%) | 142 (100%) | 0 | 100 | 100 |

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| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|-----------------|------------|----------|-------------|-----|
| 17 | 5 | 137/228 (60%) | 136 (99%) | 1 (1%) | 81 | 91 |
| 18 | 6 | 140/160 (88%) | 140 (100%) | 0 | 100 | 100 |
| 19 | 7 | 143/236 (61%) | 143 (100%) | 0 | 100 | 100 |
| 20 | 8 | 171/215 (80%) | 171 (100%) | 0 | 100 | 100 |
| 21 | 9 | 126/175 (72%) | 125 (99%) | 1 (1%) | 79 | 90 |
| 22 | 10 | 133/161 (83%) | 133 (100%) | 0 | 100 | 100 |
| 23 | 11 | 154/181 (85%) | 153 (99%) | 1 (1%) | 84 | 92 |
| 24 | 12 | 136/159 (86%) | 134 (98%) | 2 (2%) | 60 | 77 |
| 25 | 13 | 112/184 (61%) | 111 (99%) | 1 (1%) | 75 | 88 |
| 26 | 14 | 166/196 (85%) | 145 (87%) | 21 (13%) | 3 | 4 |
| 27 | 15 | 171/231 (74%) | 151 (88%) | 20 (12%) | 4 | 6 |
| 28 | 16 | 139/174 (80%) | 127 (91%) | 12 (9%) | 8 | 14 |
| All | All | 4069/4865 (84%) | 4001 (98%) | 68 (2%) | 56 | 75 |

All (68) residues with a non-rotameric sidechain are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 1 | A | 278 | PHE |
| 2 | B | 179 | SER |
| 2 | B | 202 | ARG |
| 2 | B | 256 | PHE |
| 3 | C | 62 | PHE |
| 3 | C | 63 | LEU |
| 3 | C | 65 | VAL |
| 13 | 1 | 185 | LEU |
| 15 | 3 | 155 | LYS |
| 17 | 5 | 149 | VAL |
| 21 | 9 | 197 | ILE |
| 23 | 11 | 184 | ARG |
| 24 | 12 | 42 | VAL |
| 24 | 12 | 166 | ARG |
| 25 | 13 | 76 | ARG |
| 26 | 14 | 50 | LYS |
| 26 | 14 | 77 | ILE |
| 26 | 14 | 82 | GLN |
| 26 | 14 | 92 | MET |
| 26 | 14 | 103 | ASN |
| 26 | 14 | 105 | ILE |

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| Mol | Chain | Res | Type |
|------------|--------------|------------|-------------|
| 26 | 14 | 111 | MET |
| 26 | 14 | 114 | ASP |
| 26 | 14 | 133 | SER |
| 26 | 14 | 156 | LYS |
| 26 | 14 | 169 | ASN |
| 26 | 14 | 171 | SER |
| 26 | 14 | 192 | LYS |
| 26 | 14 | 196 | GLU |
| 26 | 14 | 203 | LEU |
| 26 | 14 | 205 | LYS |
| 26 | 14 | 206 | GLU |
| 26 | 14 | 218 | MET |
| 26 | 14 | 223 | GLU |
| 26 | 14 | 229 | SER |
| 26 | 14 | 241 | ASP |
| 27 | 15 | 71 | LYS |
| 27 | 15 | 76 | LEU |
| 27 | 15 | 80 | ASP |
| 27 | 15 | 86 | ASP |
| 27 | 15 | 131 | GLN |
| 27 | 15 | 144 | SER |
| 27 | 15 | 146 | GLU |
| 27 | 15 | 187 | LYS |
| 27 | 15 | 218 | SER |
| 27 | 15 | 220 | GLU |
| 27 | 15 | 222 | LYS |
| 27 | 15 | 224 | ARG |
| 27 | 15 | 225 | ARG |
| 27 | 15 | 227 | VAL |
| 27 | 15 | 230 | LEU |
| 27 | 15 | 244 | LEU |
| 27 | 15 | 249 | ILE |
| 27 | 15 | 255 | LEU |
| 27 | 15 | 268 | MET |
| 27 | 15 | 269 | GLN |
| 28 | 16 | 45 | LYS |
| 28 | 16 | 47 | ASP |
| 28 | 16 | 62 | LEU |
| 28 | 16 | 70 | GLU |
| 28 | 16 | 71 | SER |
| 28 | 16 | 115 | SER |
| 28 | 16 | 117 | SER |

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| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 28 | 16 | 120 | LYS |
| 28 | 16 | 156 | LYS |
| 28 | 16 | 172 | THR |
| 28 | 16 | 176 | GLU |
| 28 | 16 | 208 | SER |

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (37) such sidechains are listed below:

| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 1 | A | 12 | ASN |
| 1 | A | 51 | ASN |
| 1 | A | 113 | GLN |
| 1 | A | 139 | GLN |
| 1 | A | 225 | ASN |
| 1 | A | 252 | GLN |
| 1 | A | 715 | GLN |
| 2 | B | 113 | ASN |
| 2 | B | 261 | HIS |
| 2 | B | 402 | ASN |
| 2 | B | 451 | GLN |
| 2 | B | 613 | ASN |
| 2 | B | 632 | ASN |
| 2 | B | 671 | GLN |
| 2 | B | 681 | HIS |
| 4 | D | 72 | GLN |
| 4 | D | 79 | ASN |
| 8 | J | 3 | ASN |
| 9 | L | 116 | GLN |
| 10 | M | 30 | ASN |
| 13 | 1 | 97 | GLN |
| 13 | 1 | 169 | HIS |
| 14 | 2 | 78 | HIS |
| 14 | 2 | 173 | ASN |
| 15 | 3 | 195 | HIS |
| 17 | 5 | 211 | HIS |
| 19 | 7 | 189 | GLN |
| 21 | 9 | 206 | ASN |
| 22 | 10 | 175 | GLN |
| 22 | 10 | 201 | HIS |
| 24 | 12 | 49 | ASN |
| 26 | 14 | 82 | GLN |
| 26 | 14 | 183 | ASN |

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| Mol | Chain | Res | Type |
|-----|-------|-----|------|
| 26 | 14 | 209 | ASN |
| 27 | 15 | 216 | ASN |
| 28 | 16 | 177 | GLN |
| 28 | 16 | 215 | ASN |

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

427 ligands 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 |
| 30 | CLA | F | 201 | 40 | 63,73,73 | 1.94 | 17 (26%) | 74,113,113 | 2.56 | 27 (36%) |
| 32 | SF4 | C | 102 | 3 | 0,12,12 | - | - | - | | |
| 38 | KC1 | 6 | 308 | 18 | 48,53,53 | 3.10 | 21 (43%) | 54,89,89 | 3.72 | 27 (50%) |
| 39 | DD6 | 12 | 315 | 30 | 40,45,45 | 5.50 | 23 (57%) | 51,67,67 | 5.92 | 25 (49%) |
| 30 | CLA | B | 837 | 40 | 63,73,73 | 1.96 | 16 (25%) | 74,113,113 | 2.59 | 26 (35%) |
| 30 | CLA | 7 | 311 | 19 | 63,73,73 | 2.00 | 16 (25%) | 74,113,113 | 2.51 | 26 (35%) |
| 30 | CLA | 4 | 303 | 16 | 63,73,73 | 2.00 | 15 (23%) | 74,113,113 | 2.58 | 26 (35%) |
| 39 | DD6 | 15 | 319 | 30 | 40,45,45 | 5.65 | 24 (60%) | 51,67,67 | 6.12 | 29 (56%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 38 | KC1 | 1 | 308 | 13 | 48,53,53 | 3.15 | 25 (52%) | 54,89,89 | 3.69 | 27 (50%) |
| 38 | KC1 | 8 | 314 | 38,40 | 48,53,53 | 3.11 | 25 (52%) | 54,89,89 | 3.57 | 29 (53%) |
| 30 | CLA | 14 | 313 | 26 | 44,54,73 | 2.48 | 16 (36%) | 51,90,113 | 3.17 | 27 (52%) |
| 36 | LMG | 6 | 301 | 30 | 33,33,55 | 0.95 | 1 (3%) | 41,41,63 | 1.22 | 4 (9%) |
| 33 | BCR | L | 201 | - | 41,41,41 | 1.13 | 3 (7%) | 56,56,56 | 1.33 | 6 (10%) |
| 30 | CLA | 5 | 311 | 17,40 | 63,73,73 | 2.06 | 15 (23%) | 74,113,113 | 2.70 | 27 (36%) |
| 30 | CLA | A | 817 | 36,40 | 47,57,73 | 2.32 | 15 (31%) | 53,93,113 | 3.04 | 23 (43%) |
| 30 | CLA | A | 840 | 1 | 45,55,73 | 2.33 | 17 (37%) | 52,91,113 | 3.18 | 26 (50%) |
| 30 | CLA | A | 824 | 1 | 49,59,73 | 2.25 | 17 (34%) | 56,96,113 | 3.04 | 27 (48%) |
| 30 | CLA | 1 | 302 | 13,30 | 63,73,73 | 2.01 | 15 (23%) | 74,113,113 | 2.61 | 26 (35%) |
| 30 | CLA | A | 831 | 1 | 63,73,73 | 1.95 | 14 (22%) | 74,113,113 | 2.76 | 28 (37%) |
| 30 | CLA | B | 804 | 2 | 50,60,73 | 2.24 | 17 (34%) | 57,97,113 | 3.00 | 29 (50%) |
| 36 | LMG | 2u | 204 | 12 | 31,31,55 | 1.11 | 3 (9%) | 39,39,63 | 1.18 | 5 (12%) |
| 37 | A86 | 8 | 315 | - | 47,50,50 | 4.01 | 22 (46%) | 51,76,76 | 7.00 | 20 (39%) |
| 30 | CLA | B | 808 | 2 | 63,73,73 | 1.94 | 15 (23%) | 74,113,113 | 2.68 | 28 (37%) |
| 30 | CLA | B | 803 | - | 63,73,73 | 1.92 | 16 (25%) | 74,113,113 | 2.57 | 27 (36%) |
| 30 | CLA | 5 | 302 | 17 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.58 | 28 (37%) |
| 30 | CLA | A | 812 | 1,30 | 63,73,73 | 1.93 | 15 (23%) | 74,113,113 | 2.67 | 26 (35%) |
| 30 | CLA | 4 | 302 | 16 | 63,73,73 | 2.00 | 15 (23%) | 74,113,113 | 2.54 | 25 (33%) |
| 30 | CLA | 2 | 303 | 14 | 53,63,73 | 2.43 | 15 (28%) | 62,101,113 | 2.78 | 28 (45%) |
| 30 | CLA | 3 | 305 | 15 | 60,70,73 | 2.08 | 16 (26%) | 70,109,113 | 2.65 | 30 (42%) |
| 30 | CLA | 5 | 303 | 17 | 63,73,73 | 1.99 | 17 (26%) | 74,113,113 | 2.54 | 27 (36%) |
| 39 | DD6 | 11 | 313 | - | 40,45,45 | 5.53 | 23 (57%) | 51,67,67 | 5.92 | 29 (56%) |
| 30 | CLA | 7 | 309 | 19 | 63,73,73 | 1.95 | 16 (25%) | 74,113,113 | 2.56 | 25 (33%) |
| 37 | A86 | 11 | 301 | - | 47,50,50 | 4.30 | 23 (48%) | 51,76,76 | 6.83 | 19 (37%) |
| 38 | KC1 | 4 | 310 | 16 | 48,53,53 | 3.15 | 25 (52%) | 54,89,89 | 3.78 | 28 (51%) |
| 39 | DD6 | 10 | 314 | - | 40,45,45 | 5.49 | 24 (60%) | 51,67,67 | 5.89 | 28 (54%) |
| 30 | CLA | A | 813 | 1 | 63,73,73 | 2.02 | 15 (23%) | 74,113,113 | 2.58 | 27 (36%) |
| 30 | CLA | 2 | 301 | 2,14 | 63,73,73 | 1.94 | 15 (23%) | 74,113,113 | 2.75 | 25 (33%) |
| 30 | CLA | B | 832 | 37,40 | 63,73,73 | 2.02 | 16 (25%) | 74,113,113 | 2.60 | 30 (40%) |
| 37 | A86 | 2 | 319 | - | 47,50,50 | 4.10 | 22 (46%) | 51,76,76 | 6.21 | 19 (37%) |
| 30 | CLA | 10 | 307 | 22 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.52 | 27 (36%) |
| 30 | CLA | 9 | 305 | - | 63,73,73 | 2.03 | 17 (26%) | 74,113,113 | 2.77 | 31 (41%) |
| 30 | CLA | A | 844 | - | 63,73,73 | 2.09 | 16 (25%) | 74,113,113 | 2.53 | 29 (39%) |
| 38 | KC1 | 12 | 311 | 24 | 48,53,53 | 3.14 | 24 (50%) | 54,89,89 | 3.78 | 32 (59%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 30 | CLA | 8 | 308 | 20 | 53,63,73 | 2.19 | 14 (26%) | 62,101,113 | 2.83 | 27 (43%) |
| 33 | BCR | F | 204 | - | 41,41,41 | 1.06 | 2 (4%) | 56,56,56 | 1.30 | 7 (12%) |
| 36 | LMG | 3 | 317 | - | 37,37,55 | 0.97 | 2 (5%) | 45,45,63 | 1.43 | 6 (13%) |
| 30 | CLA | 3 | 310 | 15 | 43,53,73 | 2.44 | 16 (37%) | 50,89,113 | 3.11 | 24 (48%) |
| 38 | KC1 | 10 | 310 | 22 | 48,53,53 | 3.11 | 25 (52%) | 54,89,89 | 3.80 | 31 (57%) |
| 30 | CLA | 2 | 307 | 14 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.54 | 27 (36%) |
| 37 | A86 | 10 | 317 | - | 47,50,50 | 4.44 | 24 (51%) | 51,76,76 | 6.74 | 14 (27%) |
| 30 | CLA | B | 829 | 2 | 63,73,73 | 1.95 | 13 (20%) | 74,113,113 | 2.57 | 25 (33%) |
| 35 | LMT | 9 | 317 | - | 33,33,36 | 0.49 | 0 | 44,44,47 | 1.12 | 5 (11%) |
| 38 | KC1 | 9 | 311 | 21 | 48,53,53 | 3.16 | 24 (50%) | 54,89,89 | 3.80 | 30 (55%) |
| 37 | A86 | 14 | 318 | - | 47,50,50 | 4.34 | 24 (51%) | 51,76,76 | 7.05 | 16 (31%) |
| 37 | A86 | 12 | 316 | - | 47,50,50 | 4.32 | 25 (53%) | 51,76,76 | 6.98 | 17 (33%) |
| 30 | CLA | 6 | 307 | 39,18 | 63,73,73 | 2.01 | 15 (23%) | 74,113,113 | 2.51 | 29 (39%) |
| 30 | CLA | 15 | 309 | 27 | 63,73,73 | 2.11 | 16 (25%) | 74,113,113 | 2.58 | 25 (33%) |
| 30 | CLA | 15 | 312 | 27 | 43,53,73 | 2.50 | 15 (34%) | 50,89,113 | 3.25 | 28 (56%) |
| 39 | DD6 | 2 | 316 | - | 40,45,45 | 5.41 | 24 (60%) | 51,67,67 | 5.74 | 27 (52%) |
| 35 | LMT | 11 | 317 | - | 36,36,36 | 0.43 | 0 | 47,47,47 | 0.90 | 2 (4%) |
| 30 | CLA | 16 | 301 | 28 | 63,73,73 | 2.02 | 16 (25%) | 74,113,113 | 2.65 | 26 (35%) |
| 36 | LMG | B | 849 | 2 | 43,43,55 | 0.95 | 2 (4%) | 51,51,63 | 1.18 | 4 (7%) |
| 30 | CLA | B | 825 | 2 | 63,73,73 | 1.99 | 16 (25%) | 74,113,113 | 2.69 | 29 (39%) |
| 30 | CLA | B | 817 | 2 | 57,67,73 | 2.08 | 15 (26%) | 66,105,113 | 2.84 | 26 (39%) |
| 30 | CLA | 13 | 301 | 25 | 63,73,73 | 2.02 | 17 (26%) | 74,113,113 | 2.72 | 25 (33%) |
| 38 | KC1 | 1 | 306 | 13 | 48,53,53 | 3.14 | 23 (47%) | 54,89,89 | 3.71 | 30 (55%) |
| 30 | CLA | A | 804 | 1 | 63,73,73 | 1.95 | 15 (23%) | 74,113,113 | 2.65 | 28 (37%) |
| 30 | CLA | J | 101 | 8 | 43,53,73 | 2.45 | 16 (37%) | 50,89,113 | 3.02 | 24 (48%) |
| 39 | DD6 | 2 | 317 | - | 40,45,45 | 5.56 | 24 (60%) | 51,67,67 | 5.58 | 27 (52%) |
| 30 | CLA | 7 | 306 | 19 | 63,73,73 | 1.97 | 16 (25%) | 74,113,113 | 2.52 | 28 (37%) |
| 33 | BCR | I | 101 | - | 41,41,41 | 1.07 | 3 (7%) | 56,56,56 | 1.32 | 5 (8%) |
| 30 | CLA | A | 806 | 1 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.83 | 29 (39%) |
| 30 | CLA | B | 801 | 2 | 63,73,73 | 1.88 | 16 (25%) | 74,113,113 | 2.75 | 31 (41%) |
| 37 | A86 | 7 | 315 | - | 47,50,50 | 4.07 | 23 (48%) | 51,76,76 | 6.41 | 18 (35%) |
| 38 | KC1 | 6 | 311 | 18 | 48,53,53 | 3.07 | 22 (45%) | 54,89,89 | 3.85 | 29 (53%) |
| 38 | KC1 | 8 | 307 | 20 | 48,53,53 | 3.06 | 21 (43%) | 54,89,89 | 3.77 | 29 (53%) |
| 30 | CLA | 16 | 302 | 28 | 63,73,73 | 2.02 | 17 (26%) | 74,113,113 | 2.60 | 27 (36%) |
| 38 | KC1 | 5 | 305 | 17 | 48,53,53 | 3.12 | 24 (50%) | 54,89,89 | 3.69 | 28 (51%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 30 | CLA | 16 | 303 | 28 | 63,73,73 | 2.03 | 15 (23%) | 74,113,113 | 2.75 | 27 (36%) |
| 30 | CLA | 13 | 303 | - | 63,73,73 | 2.10 | 16 (25%) | 74,113,113 | 2.67 | 29 (39%) |
| 30 | CLA | B | 839 | 34 | 63,73,73 | 1.93 | 15 (23%) | 74,113,113 | 2.77 | 27 (36%) |
| 31 | PQN | B | 840 | - | 34,34,34 | 1.53 | 2 (5%) | 43,45,45 | 1.15 | 5 (11%) |
| 35 | LMT | A | 855 | - | 36,36,36 | 0.39 | 0 | 47,47,47 | 0.90 | 3 (6%) |
| 30 | CLA | 10 | 304 | 22 | 63,73,73 | 2.03 | 16 (25%) | 74,113,113 | 2.56 | 26 (35%) |
| 30 | CLA | 7 | 303 | 19 | 63,73,73 | 1.96 | 14 (22%) | 74,113,113 | 2.62 | 28 (37%) |
| 33 | BCR | B | 843 | - | 41,41,41 | 1.09 | 2 (4%) | 56,56,56 | 1.28 | 6 (10%) |
| 37 | A86 | 11 | 315 | - | 47,50,50 | 4.23 | 24 (51%) | 51,76,76 | 6.15 | 22 (43%) |
| 38 | KC1 | 7 | 308 | 40 | 48,53,53 | 3.13 | 23 (47%) | 54,89,89 | 3.57 | 27 (50%) |
| 30 | CLA | 16 | 310 | 28 | 43,53,73 | 2.51 | 17 (39%) | 50,89,113 | 3.11 | 26 (52%) |
| 36 | LMG | F | 205 | - | 27,27,55 | 1.01 | 1 (3%) | 35,35,63 | 1.26 | 5 (14%) |
| 37 | A86 | 14 | 314 | - | 47,50,50 | 4.31 | 24 (51%) | 51,76,76 | 6.93 | 22 (43%) |
| 30 | CLA | B | 807 | 2 | 63,73,73 | 1.94 | 16 (25%) | 74,113,113 | 2.67 | 27 (36%) |
| 30 | CLA | 15 | 306 | - | 43,53,73 | 2.51 | 17 (39%) | 50,89,113 | 3.20 | 24 (48%) |
| 37 | A86 | 14 | 315 | 26 | 47,50,50 | 4.22 | 24 (51%) | 51,76,76 | 7.41 | 20 (39%) |
| 33 | BCR | A | 851 | - | 41,41,41 | 1.16 | 2 (4%) | 56,56,56 | 1.28 | 7 (12%) |
| 30 | CLA | B | 824 | 40 | 63,73,73 | 2.01 | 15 (23%) | 74,113,113 | 4.53 | 31 (41%) |
| 30 | CLA | A | 825 | 1 | 57,67,73 | 2.10 | 16 (28%) | 66,105,113 | 2.67 | 26 (39%) |
| 37 | A86 | 3 | 315 | - | 47,50,50 | 4.38 | 24 (51%) | 51,76,76 | 6.83 | 16 (31%) |
| 30 | CLA | 14 | 305 | 26 | 48,58,73 | 2.34 | 15 (31%) | 56,95,113 | 2.92 | 26 (46%) |
| 30 | CLA | A | 830 | 1 | 63,73,73 | 1.91 | 15 (23%) | 74,113,113 | 2.53 | 30 (40%) |
| 35 | LMT | 16 | 315 | - | 36,36,36 | 0.41 | 0 | 47,47,47 | 0.66 | 0 |
| 30 | CLA | B | 813 | 2 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.58 | 28 (37%) |
| 35 | LMT | B | 852 | - | 36,36,36 | 0.36 | 0 | 47,47,47 | 1.14 | 2 (4%) |
| 37 | A86 | 15 | 321 | 27 | 47,50,50 | 4.35 | 24 (51%) | 51,76,76 | 7.18 | 19 (37%) |
| 38 | KC1 | 9 | 312 | 21 | 48,53,53 | 3.12 | 24 (50%) | 54,89,89 | 3.65 | 27 (50%) |
| 39 | DD6 | 2 | 315 | - | 40,45,45 | 5.52 | 24 (60%) | 51,67,67 | 5.87 | 27 (52%) |
| 36 | LMG | 5 | 318 | - | 33,33,55 | 0.91 | 0 | 41,41,63 | 1.22 | 5 (12%) |
| 30 | CLA | 15 | 311 | 37 | 43,53,73 | 2.54 | 16 (37%) | 50,89,113 | 3.06 | 24 (48%) |
| 30 | CLA | 16 | 308 | 28 | 43,53,73 | 2.52 | 16 (37%) | 50,89,113 | 3.11 | 25 (50%) |
| 30 | CLA | B | 831 | 2 | 56,66,73 | 2.11 | 15 (26%) | 65,104,113 | 2.90 | 28 (43%) |
| 38 | KC1 | 8 | 311 | 40 | 48,53,53 | 3.10 | 21 (43%) | 54,89,89 | 3.64 | 28 (51%) |
| 38 | KC1 | 12 | 305 | 24 | 48,53,53 | 3.14 | 23 (47%) | 54,89,89 | 3.70 | 29 (53%) |
| 30 | CLA | 7 | 305 | 19,40 | 63,73,73 | 2.12 | 15 (23%) | 74,113,113 | 2.69 | 28 (37%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 33 | BCR | B | 841 | - | 41,41,41 | 1.15 | 2 (4%) | 56,56,56 | 1.27 | 7 (12%) |
| 38 | KC1 | 14 | 311 | 26 | 48,53,53 | 3.13 | 24 (50%) | 54,89,89 | 3.68 | 27 (50%) |
| 30 | CLA | A | 835 | 1 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.69 | 27 (36%) |
| 38 | KC1 | 3 | 308 | 15 | 48,53,53 | 3.09 | 24 (50%) | 54,89,89 | 3.70 | 30 (55%) |
| 30 | CLA | A | 839 | 1 | 63,73,73 | 1.97 | 15 (23%) | 74,113,113 | 2.75 | 30 (40%) |
| 30 | CLA | 14 | 312 | 26,37 | 43,53,73 | 2.52 | 16 (37%) | 50,89,113 | 3.03 | 24 (48%) |
| 30 | CLA | 10 | 309 | 22 | 63,73,73 | 2.07 | 16 (25%) | 74,113,113 | 2.55 | 26 (35%) |
| 30 | CLA | 6 | 314 | 18 | 63,73,73 | 1.97 | 14 (22%) | 74,113,113 | 2.71 | 30 (40%) |
| 30 | CLA | 4 | 304 | - | 58,68,73 | 2.09 | 15 (25%) | 68,107,113 | 2.71 | 29 (42%) |
| 37 | A86 | 14 | 301 | 26 | 47,50,50 | 4.35 | 24 (51%) | 51,76,76 | 6.72 | 17 (33%) |
| 38 | KC1 | 13 | 311 | 25 | 48,53,53 | 3.15 | 26 (54%) | 54,89,89 | 3.51 | 28 (51%) |
| 30 | CLA | 3 | 302 | 15 | 58,68,73 | 2.08 | 16 (27%) | 68,107,113 | 2.69 | 29 (42%) |
| 30 | CLA | B | 851 | 2,14 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.60 | 30 (40%) |
| 39 | DD6 | 3 | 312 | - | 40,45,45 | 5.53 | 24 (60%) | 51,67,67 | 5.89 | 25 (49%) |
| 30 | CLA | 3 | 303 | 15 | 63,73,73 | 2.10 | 16 (25%) | 74,113,113 | 2.70 | 29 (39%) |
| 30 | CLA | 16 | 309 | 28 | 43,53,73 | 2.52 | 16 (37%) | 50,89,113 | 3.16 | 24 (48%) |
| 34 | LHG | 6 | 322 | 30 | 26,26,48 | 0.89 | 1 (3%) | 29,32,54 | 1.36 | 3 (10%) |
| 37 | A86 | 2 | 318 | - | 47,50,50 | 4.27 | 23 (48%) | 51,76,76 | 6.30 | 21 (41%) |
| 30 | CLA | 9 | 301 | 34 | 63,73,73 | 1.99 | 16 (25%) | 74,113,113 | 2.73 | 26 (35%) |
| 38 | KC1 | 8 | 312 | 38 | 48,53,53 | 3.13 | 22 (45%) | 54,89,89 | 3.18 | 27 (50%) |
| 30 | CLA | 7 | 312 | 19 | 44,54,73 | 2.48 | 16 (36%) | 51,90,113 | 3.02 | 25 (49%) |
| 37 | A86 | 9 | 315 | - | 47,50,50 | 4.35 | 23 (48%) | 51,76,76 | 5.78 | 17 (33%) |
| 30 | CLA | 14 | 307 | 38 | 63,73,73 | 2.07 | 16 (25%) | 74,113,113 | 2.68 | 24 (32%) |
| 30 | CLA | 6 | 309 | 18 | 63,73,73 | 2.00 | 13 (20%) | 74,113,113 | 2.60 | 32 (43%) |
| 30 | CLA | A | 809 | 1,30 | 63,73,73 | 1.97 | 15 (23%) | 74,113,113 | 2.60 | 30 (40%) |
| 30 | CLA | B | 815 | 2 | 43,53,73 | 2.39 | 15 (34%) | 50,89,113 | 3.07 | 23 (46%) |
| 35 | LMT | 12 | 318 | - | 36,36,36 | 0.42 | 0 | 47,47,47 | 0.77 | 0 |
| 30 | CLA | F | 202 | 40 | 63,73,73 | 2.03 | 17 (26%) | 74,113,113 | 2.59 | 27 (36%) |
| 35 | LMT | 8 | 322 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 0.74 | 1 (2%) |
| 30 | CLA | 9 | 302 | 21,9 | 49,59,73 | 2.32 | 15 (30%) | 56,96,113 | 3.09 | 27 (48%) |
| 30 | CLA | A | 834 | 1 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.62 | 29 (39%) |
| 30 | CLA | A | 826 | 40 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.63 | 27 (36%) |
| 30 | CLA | 9 | 303 | 21 | 63,73,73 | 2.00 | 14 (22%) | 74,113,113 | 2.60 | 27 (36%) |
| 39 | DD6 | 4 | 316 | - | 40,45,45 | 5.56 | 24 (60%) | 51,67,67 | 6.30 | 27 (52%) |
| 30 | CLA | 1 | 307 | 13 | 63,73,73 | 2.07 | 16 (25%) | 74,113,113 | 2.64 | 27 (36%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|----------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 30 | CLA | 7 | 307 | 19 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.59 | 27 (36%) |
| 37 | A86 | 12 | 314 | - | 47,50,50 | 4.26 | 24 (51%) | 51,76,76 | 6.75 | 18 (35%) |
| 36 | LMG | A | 856 | - | 34,34,55 | 0.98 | 1 (2%) | 42,42,63 | 1.19 | 3 (7%) |
| 39 | DD6 | 4 | 313 | - | 40,45,45 | 5.49 | 23 (57%) | 51,67,67 | 5.86 | 26 (50%) |
| 30 | CLA | A | 811 | 1 | 63,73,73 | 1.97 | 15 (23%) | 74,113,113 | 2.61 | 25 (33%) |
| 30 | CLA | 3 | 306 | 15 | 63,73,73 | 2.03 | 15 (23%) | 74,113,113 | 2.56 | 30 (40%) |
| 38 | KC1 | 9 | 304 | 21 | 48,53,53 | 3.10 | 22 (45%) | 54,89,89 | 3.67 | 29 (53%) |
| 29 | CL0 | A | 801 | 1 | 63,73,73 | 1.92 | 15 (23%) | 74,113,113 | 2.68 | 29 (39%) |
| 33 | BCR | L | 204 | - | 41,41,41 | 1.08 | 2 (4%) | 56,56,56 | 1.46 | 8 (14%) |
| 30 | CLA | A | 843 | 40 | 63,73,73 | 1.95 | 16 (25%) | 74,113,113 | 2.55 | 28 (37%) |
| 30 | CLA | 8 | 301 | 20 | 63,73,73 | 2.00 | 15 (23%) | 74,113,113 | 2.62 | 28 (37%) |
| 30 | CLA | 4 | 301 | 2,16 | 47,57,73 | 2.27 | 16 (34%) | 53,93,113 | 3.01 | 24 (45%) |
| 37 | A86 | 15 | 320 | - | 47,50,50 | 4.49 | 24 (51%) | 51,76,76 | 6.81 | 19 (37%) |
| 36 | LMG | 8 | 320 | - | 42,42,55 | 0.90 | 2 (4%) | 50,50,63 | 1.31 | 5 (10%) |
| 38 | KC1 | 16 | 304 | 28 | 48,53,53 | 3.17 | 25 (52%) | 54,89,89 | 3.46 | 26 (48%) |
| 33 | BCR | J | 103 | - | 41,41,41 | 1.16 | 3 (7%) | 56,56,56 | 1.18 | 5 (8%) |
| 38 | KC1 | 2 | 314 | 40 | 48,53,53 | 3.14 | 21 (43%) | 54,89,89 | 3.70 | 30 (55%) |
| 30 | CLA | A | 829 | 1,30 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.66 | 28 (37%) |
| 37 | A86 | 2u | 205 | - | 47,50,50 | 4.36 | 24 (51%) | 51,76,76 | 6.18 | 21 (41%) |
| 30 | CLA | 6 | 315 | 18 | 43,53,73 | 2.49 | 16 (37%) | 50,89,113 | 3.06 | 25 (50%) |
| 39 | DD6 | 7 | 318 | - | 40,45,45 | 5.44 | 22 (55%) | 51,67,67 | 6.12 | 30 (58%) |
| 30 | CLA | B | 822 | 2,30 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.80 | 31 (41%) |
| 30 | CLA | 12 | 304 | 39,24 | 63,73,73 | 2.06 | 15 (23%) | 74,113,113 | 2.83 | 29 (39%) |
| 30 | CLA | 8 | 302 | 20 | 63,73,73 | 2.02 | 17 (26%) | 74,113,113 | 2.66 | 26 (35%) |
| 35 | LMT | 1 | 311 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 0.79 | 2 (4%) |
| 30 | CLA | 8 | 303 | 40 | 63,73,73 | 1.97 | 14 (22%) | 74,113,113 | 2.57 | 28 (37%) |
| 30 | CLA | B | 820 | 2 | 43,53,73 | 2.47 | 16 (37%) | 50,89,113 | 3.26 | 22 (44%) |
| 37 | A86 | 9 | 313 | 21 | 47,50,50 | 4.22 | 24 (51%) | 51,76,76 | 6.25 | 20 (39%) |
| 37 | A86 | 5 | 316 | - | 47,50,50 | 4.29 | 23 (48%) | 51,76,76 | 6.64 | 16 (31%) |
| 30 | CLA | 12 | 312 | 24 | 63,73,73 | 2.04 | 16 (25%) | 74,113,113 | 2.60 | 27 (36%) |
| 37 | A86 | 13 | 315 | - | 47,50,50 | 4.42 | 24 (51%) | 51,76,76 | 7.08 | 15 (29%) |
| 30 | CLA | 15 | 304 | 27,39,30 | 63,73,73 | 2.11 | 15 (23%) | 74,113,113 | 2.63 | 25 (33%) |
| 30 | CLA | 7 | 304 | 19 | 63,73,73 | 1.97 | 14 (22%) | 74,113,113 | 2.60 | 28 (37%) |
| 39 | DD6 | 6 | 321 | - | 40,45,45 | 5.44 | 23 (57%) | 51,67,67 | 5.92 | 27 (52%) |
| 38 | KC1 | 12 | 313 | 24 | 48,53,53 | 3.11 | 22 (45%) | 54,89,89 | 4.28 | 27 (50%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 30 | CLA | 12 | 310 | 40 | 63,73,73 | 2.00 | 15 (23%) | 74,113,113 | 2.63 | 26 (35%) |
| 30 | CLA | A | 828 | 1 | 63,73,73 | 1.92 | 14 (22%) | 74,113,113 | 2.75 | 28 (37%) |
| 32 | SF4 | C | 101 | 3 | 0,12,12 | - | - | - | | |
| 37 | A86 | 4 | 314 | - | 47,50,50 | 4.32 | 24 (51%) | 51,76,76 | 6.78 | 24 (47%) |
| 30 | CLA | 6 | 317 | - | 63,73,73 | 2.06 | 17 (26%) | 74,113,113 | 2.58 | 28 (37%) |
| 33 | BCR | B | 844 | - | 41,41,41 | 1.11 | 3 (7%) | 56,56,56 | 1.41 | 8 (14%) |
| 30 | CLA | L | 203 | 40 | 43,53,73 | 2.49 | 16 (37%) | 50,89,113 | 3.09 | 23 (46%) |
| 30 | CLA | A | 836 | 1 | 52,62,73 | 2.16 | 14 (26%) | 60,99,113 | 2.77 | 30 (50%) |
| 30 | CLA | 6 | 306 | 40 | 63,73,73 | 2.02 | 16 (25%) | 74,113,113 | 2.61 | 26 (35%) |
| 30 | CLA | B | 811 | 2,30 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.56 | 31 (41%) |
| 30 | CLA | 6 | 304 | 18 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.66 | 28 (37%) |
| 38 | KC1 | 12 | 309 | 24 | 48,53,53 | 3.14 | 24 (50%) | 54,89,89 | 3.60 | 29 (53%) |
| 38 | KC1 | 13 | 306 | 25 | 48,53,53 | 3.14 | 24 (50%) | 54,89,89 | 3.62 | 29 (53%) |
| 38 | KC1 | 13 | 305 | 25 | 48,53,53 | 3.16 | 26 (54%) | 54,89,89 | 3.72 | 30 (55%) |
| 39 | DD6 | 7 | 314 | - | 40,45,45 | 5.42 | 22 (55%) | 51,67,67 | 6.31 | 27 (52%) |
| 39 | DD6 | 5 | 314 | - | 40,45,45 | 5.38 | 24 (60%) | 51,67,67 | 6.22 | 29 (56%) |
| 38 | KC1 | 6 | 313 | 18 | 48,53,53 | 3.11 | 23 (47%) | 54,89,89 | 3.67 | 28 (51%) |
| 37 | A86 | 15 | 315 | 27 | 47,50,50 | 4.52 | 24 (51%) | 51,76,76 | 6.90 | 27 (52%) |
| 37 | A86 | 14 | 317 | - | 47,50,50 | 4.30 | 25 (53%) | 51,76,76 | 7.30 | 17 (33%) |
| 30 | CLA | B | 819 | 40 | 63,73,73 | 1.96 | 15 (23%) | 74,113,113 | 2.38 | 28 (37%) |
| 30 | CLA | 2 | 304 | 14 | 63,73,73 | 2.03 | 15 (23%) | 74,113,113 | 2.65 | 28 (37%) |
| 30 | CLA | 13 | 304 | 25 | 43,53,73 | 2.55 | 16 (37%) | 50,89,113 | 3.12 | 25 (50%) |
| 37 | A86 | 2 | 302 | - | 47,50,50 | 4.35 | 23 (48%) | 51,76,76 | 7.01 | 16 (31%) |
| 34 | LHG | A | 852 | - | 48,48,48 | 0.66 | 1 (2%) | 51,54,54 | 1.22 | 5 (9%) |
| 38 | KC1 | 14 | 306 | 26 | 48,53,53 | 3.16 | 26 (54%) | 54,89,89 | 3.72 | 31 (57%) |
| 30 | CLA | F | 203 | 6 | 43,53,73 | 2.44 | 16 (37%) | 50,89,113 | 3.09 | 26 (52%) |
| 38 | KC1 | 13 | 308 | 25 | 48,53,53 | 3.16 | 25 (52%) | 54,89,89 | 3.79 | 28 (51%) |
| 37 | A86 | 7 | 316 | - | 47,50,50 | 3.99 | 21 (44%) | 51,76,76 | 6.39 | 26 (50%) |
| 38 | KC1 | 4 | 307 | 16 | 48,53,53 | 3.14 | 24 (50%) | 54,89,89 | 3.57 | 29 (53%) |
| 37 | A86 | 10 | 316 | - | 47,50,50 | 4.18 | 23 (48%) | 51,76,76 | 6.79 | 19 (37%) |
| 39 | DD6 | 1 | 310 | - | 40,45,45 | 5.52 | 24 (60%) | 51,67,67 | 5.82 | 25 (49%) |
| 38 | KC1 | 11 | 311 | 23 | 48,53,53 | 3.17 | 25 (52%) | 54,89,89 | 3.69 | 29 (53%) |
| 30 | CLA | B | 834 | 2 | 58,68,73 | 2.10 | 17 (29%) | 68,107,113 | 2.77 | 26 (38%) |
| 39 | DD6 | 16 | 313 | - | 40,45,45 | 5.60 | 23 (57%) | 51,67,67 | 6.27 | 30 (58%) |
| 37 | A86 | 13 | 313 | 25 | 44,47,50 | 4.56 | 23 (52%) | 48,72,76 | 7.19 | 16 (33%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 35 | LMT | 12 | 320 | - | 36,36,36 | 0.39 | 0 | 47,47,47 | 0.71 | 0 |
| 35 | LMT | B | 850 | - | 36,36,36 | 0.39 | 0 | 47,47,47 | 0.93 | 3 (6%) |
| 30 | CLA | A | 838 | 1 | 49,59,73 | 2.27 | 15 (30%) | 56,96,113 | 3.03 | 27 (48%) |
| 30 | CLA | 14 | 304 | 26 | 43,53,73 | 2.53 | 16 (37%) | 50,89,113 | 3.08 | 23 (46%) |
| 37 | A86 | 5 | 301 | - | 47,50,50 | 4.30 | 24 (51%) | 51,76,76 | 6.56 | 20 (39%) |
| 30 | CLA | 15 | 314 | 27,30 | 43,53,73 | 2.45 | 16 (37%) | 50,89,113 | 3.17 | 23 (46%) |
| 30 | CLA | B | 814 | 2 | 53,63,73 | 2.17 | 15 (28%) | 62,101,113 | 2.78 | 27 (43%) |
| 34 | LHG | 9 | 318 | - | 33,33,48 | 0.71 | 0 | 36,39,54 | 1.28 | 4 (11%) |
| 38 | KC1 | 3 | 311 | 40 | 48,53,53 | 3.14 | 23 (47%) | 54,89,89 | 3.84 | 26 (48%) |
| 30 | CLA | A | 807 | 1 | 63,73,73 | 1.96 | 14 (22%) | 74,113,113 | 2.68 | 29 (39%) |
| 39 | DD6 | 7 | 302 | - | 40,45,45 | 5.50 | 24 (60%) | 51,67,67 | 5.69 | 27 (52%) |
| 30 | CLA | 15 | 302 | 27,30 | 63,73,73 | 2.08 | 15 (23%) | 74,113,113 | 2.83 | 30 (40%) |
| 35 | LMT | 12 | 301 | - | 36,36,36 | 0.44 | 0 | 47,47,47 | 0.77 | 0 |
| 30 | CLA | 9 | 309 | 21,40 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.50 | 28 (37%) |
| 30 | CLA | 14 | 310 | - | 48,58,73 | 2.36 | 15 (31%) | 56,95,113 | 2.98 | 28 (50%) |
| 30 | CLA | 3 | 301 | 15 | 63,73,73 | 1.98 | 14 (22%) | 74,113,113 | 2.64 | 28 (37%) |
| 30 | CLA | A | 823 | 1 | 47,57,73 | 2.29 | 14 (29%) | 53,93,113 | 3.05 | 26 (49%) |
| 35 | LMT | 15 | 301 | - | 36,36,36 | 0.51 | 0 | 47,47,47 | 1.14 | 3 (6%) |
| 35 | LMT | 7 | 301 | 30 | 36,36,36 | 0.41 | 0 | 47,47,47 | 0.81 | 1 (2%) |
| 30 | CLA | 1 | 304 | 13 | 63,73,73 | 2.01 | 15 (23%) | 74,113,113 | 2.50 | 27 (36%) |
| 30 | CLA | 1 | 303 | 13,30 | 63,73,73 | 2.02 | 14 (22%) | 74,113,113 | 2.58 | 27 (36%) |
| 30 | CLA | 7 | 310 | 19 | 63,73,73 | 2.03 | 15 (23%) | 74,113,113 | 2.59 | 26 (35%) |
| 30 | CLA | 3 | 307 | 15 | 63,73,73 | 2.11 | 17 (26%) | 74,113,113 | 2.54 | 27 (36%) |
| 34 | LHG | 5 | 317 | 30 | 26,26,48 | 0.86 | 1 (3%) | 29,32,54 | 1.34 | 3 (10%) |
| 30 | CLA | B | 835 | 2 | 63,73,73 | 1.98 | 15 (23%) | 74,113,113 | 2.65 | 29 (39%) |
| 38 | KC1 | 11 | 305 | 23 | 48,53,53 | 3.11 | 24 (50%) | 54,89,89 | 3.75 | 29 (53%) |
| 30 | CLA | B | 821 | 2 | 53,63,73 | 2.16 | 15 (28%) | 62,101,113 | 2.75 | 26 (41%) |
| 30 | CLA | 4 | 305 | 16 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.59 | 27 (36%) |
| 39 | DD6 | 8 | 316 | - | 40,45,45 | 5.42 | 23 (57%) | 51,67,67 | 5.88 | 29 (56%) |
| 30 | CLA | 13 | 307 | 25 | 63,73,73 | 2.11 | 17 (26%) | 74,113,113 | 2.61 | 28 (37%) |
| 30 | CLA | 15 | 313 | 27 | 63,73,73 | 2.09 | 16 (25%) | 74,113,113 | 2.65 | 28 (37%) |
| 30 | CLA | 8 | 309 | 20 | 45,55,73 | 2.41 | 16 (35%) | 52,91,113 | 2.96 | 24 (46%) |
| 30 | CLA | A | 808 | 1 | 49,59,73 | 2.24 | 15 (30%) | 56,96,113 | 2.98 | 27 (48%) |
| 30 | CLA | 4 | 309 | - | 63,73,73 | 2.11 | 16 (25%) | 74,113,113 | 2.61 | 28 (37%) |
| 30 | CLA | B | 828 | 2 | 63,73,73 | 1.99 | 17 (26%) | 74,113,113 | 2.68 | 29 (39%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 37 | A86 | 10 | 302 | - | 47,50,50 | 4.31 | 23 (48%) | 51,76,76 | 7.00 | 18 (35%) |
| 39 | DD6 | 6 | 319 | - | 40,45,45 | 5.48 | 23 (57%) | 51,67,67 | 5.56 | 29 (56%) |
| 38 | KC1 | 2 | 312 | 14 | 48,53,53 | 3.14 | 25 (52%) | 54,89,89 | 3.63 | 28 (51%) |
| 30 | CLA | A | 841 | 1 | 63,73,73 | 1.99 | 16 (25%) | 74,113,113 | 2.53 | 28 (37%) |
| 30 | CLA | 14 | 309 | 26 | 43,53,73 | 2.55 | 15 (34%) | 50,89,113 | 3.00 | 24 (48%) |
| 39 | DD6 | 3 | 313 | - | 40,45,45 | 5.52 | 24 (60%) | 51,67,67 | 5.73 | 25 (49%) |
| 30 | CLA | 1 | 305 | 40 | 63,73,73 | 2.08 | 15 (23%) | 74,113,113 | 2.55 | 27 (36%) |
| 37 | A86 | 11 | 316 | - | 47,50,50 | 4.29 | 25 (53%) | 51,76,76 | 6.81 | 16 (31%) |
| 30 | CLA | 10 | 303 | 22 | 63,73,73 | 2.03 | 13 (20%) | 74,113,113 | 2.55 | 26 (35%) |
| 30 | CLA | 9 | 306 | 21,37 | 43,53,73 | 2.52 | 15 (34%) | 50,89,113 | 3.10 | 26 (52%) |
| 30 | CLA | L | 202 | 9 | 63,73,73 | 1.96 | 13 (20%) | 74,113,113 | 2.71 | 27 (36%) |
| 30 | CLA | 12 | 321 | 26,24 | 63,73,73 | 2.06 | 17 (26%) | 74,113,113 | 2.54 | 27 (36%) |
| 37 | A86 | 2u | 203 | 30 | 47,50,50 | 4.22 | 24 (51%) | 51,76,76 | 6.79 | 20 (39%) |
| 36 | LMG | 8 | 321 | 36 | 29,29,55 | 1.10 | 3 (10%) | 37,37,63 | 1.28 | 6 (16%) |
| 30 | CLA | A | 816 | 1,35 | 63,73,73 | 1.97 | 16 (25%) | 74,113,113 | 2.59 | 25 (33%) |
| 33 | BCR | B | 846 | - | 41,41,41 | 1.13 | 3 (7%) | 56,56,56 | 1.21 | 6 (10%) |
| 35 | LMT | 11 | 302 | - | 36,36,36 | 0.34 | 0 | 47,47,47 | 0.78 | 2 (4%) |
| 38 | KC1 | 8 | 313 | 20 | 48,53,53 | 3.08 | 21 (43%) | 54,89,89 | 3.69 | 28 (51%) |
| 30 | CLA | A | 819 | 1 | 52,62,73 | 2.18 | 16 (30%) | 60,99,113 | 2.85 | 27 (45%) |
| 38 | KC1 | 5 | 306 | 17 | 48,53,53 | 3.11 | 22 (45%) | 54,89,89 | 3.98 | 29 (53%) |
| 38 | KC1 | 8 | 306 | 40 | 48,53,53 | 3.08 | 20 (41%) | 54,89,89 | 3.63 | 28 (51%) |
| 30 | CLA | 10 | 308 | 22 | 63,73,73 | 2.03 | 14 (22%) | 74,113,113 | 2.55 | 27 (36%) |
| 37 | A86 | 8 | 318 | - | 47,50,50 | 4.22 | 24 (51%) | 51,76,76 | 9.47 | 23 (45%) |
| 38 | KC1 | 10 | 312 | 22 | 48,53,53 | 3.14 | 24 (50%) | 54,89,89 | 3.73 | 28 (51%) |
| 30 | CLA | A | 837 | 1 | 43,53,73 | 2.46 | 14 (32%) | 50,89,113 | 3.06 | 24 (48%) |
| 39 | DD6 | 8 | 317 | - | 40,45,45 | 5.47 | 24 (60%) | 51,67,67 | 6.10 | 29 (56%) |
| 32 | SF4 | A | 846 | 1,2 | 0,12,12 | - | - | - | - | - |
| 35 | LMT | 11 | 303 | - | 36,36,36 | 0.40 | 0 | 47,47,47 | 0.85 | 0 |
| 30 | CLA | 5 | 307 | 17 | 63,73,73 | 2.02 | 17 (26%) | 74,113,113 | 2.59 | 30 (40%) |
| 30 | CLA | B | 812 | 2 | 63,73,73 | 2.05 | 15 (23%) | 74,113,113 | 2.48 | 26 (35%) |
| 37 | A86 | 3 | 314 | - | 47,50,50 | 4.29 | 24 (51%) | 51,76,76 | 6.73 | 17 (33%) |
| 30 | CLA | 2 | 311 | 14 | 63,73,73 | 2.07 | 16 (25%) | 74,113,113 | 2.54 | 24 (32%) |
| 30 | CLA | B | 838 | 2 | 63,73,73 | 1.96 | 14 (22%) | 74,113,113 | 2.63 | 25 (33%) |
| 35 | LMT | 11 | 318 | - | 36,36,36 | 0.43 | 0 | 47,47,47 | 0.89 | 1 (2%) |
| 30 | CLA | 2 | 310 | 14 | 63,73,73 | 2.04 | 15 (23%) | 74,113,113 | 4.52 | 29 (39%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 30 | CLA | A | 815 | 1 | 63,73,73 | 2.02 | 15 (23%) | 74,113,113 | 2.63 | 28 (37%) |
| 30 | CLA | 11 | 310 | 23 | 63,73,73 | 2.12 | 16 (25%) | 74,113,113 | 2.59 | 28 (37%) |
| 30 | CLA | 12 | 306 | 24 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.51 | 27 (36%) |
| 37 | A86 | 6 | 320 | - | 47,50,50 | 4.16 | 24 (51%) | 51,76,76 | 5.65 | 19 (37%) |
| 37 | A86 | 11 | 314 | - | 47,50,50 | 4.32 | 24 (51%) | 51,76,76 | 7.12 | 18 (35%) |
| 39 | DD6 | 10 | 313 | - | 40,45,45 | 5.56 | 24 (60%) | 51,67,67 | 6.12 | 28 (54%) |
| 36 | LMG | 8 | 319 | 20,36 | 37,37,55 | 0.93 | 0 | 45,45,63 | 1.29 | 5 (11%) |
| 30 | CLA | 1 | 301 | 13 | 63,73,73 | 2.01 | 15 (23%) | 74,113,113 | 2.55 | 24 (32%) |
| 30 | CLA | 11 | 309 | 23 | 63,73,73 | 2.05 | 15 (23%) | 74,113,113 | 2.62 | 28 (37%) |
| 39 | DD6 | 13 | 314 | - | 40,45,45 | 5.57 | 23 (57%) | 51,67,67 | 6.24 | 31 (60%) |
| 39 | DD6 | 5 | 313 | - | 40,45,45 | 5.54 | 24 (60%) | 51,67,67 | 5.88 | 25 (49%) |
| 30 | CLA | B | 823 | 40 | 52,62,73 | 2.18 | 17 (32%) | 60,99,113 | 2.86 | 30 (50%) |
| 30 | CLA | 3 | 309 | 15 | 43,53,73 | 2.52 | 16 (37%) | 50,89,113 | 3.14 | 24 (48%) |
| 38 | KC1 | 13 | 310 | 25 | 48,53,53 | 3.16 | 24 (50%) | 54,89,89 | 3.70 | 29 (53%) |
| 39 | DD6 | 6 | 318 | - | 40,45,45 | 5.44 | 24 (60%) | 51,67,67 | 5.70 | 27 (52%) |
| 30 | CLA | A | 820 | 1 | 63,73,73 | 2.00 | 16 (25%) | 74,113,113 | 2.61 | 27 (36%) |
| 30 | CLA | A | 833 | 1 | 63,73,73 | 2.01 | 17 (26%) | 74,113,113 | 2.55 | 26 (35%) |
| 30 | CLA | 10 | 311 | - | 43,53,73 | 2.50 | 16 (37%) | 50,89,113 | 3.09 | 24 (48%) |
| 30 | CLA | 16 | 307 | - | 44,54,73 | 2.49 | 16 (36%) | 51,90,113 | 3.02 | 24 (47%) |
| 30 | CLA | 11 | 308 | 23 | 63,73,73 | 2.05 | 14 (22%) | 74,113,113 | 2.56 | 27 (36%) |
| 30 | CLA | B | 802 | 30,40 | 63,73,73 | 1.93 | 17 (26%) | 74,113,113 | 2.77 | 29 (39%) |
| 30 | CLA | 15 | 305 | 27,37 | 43,53,73 | 2.52 | 16 (37%) | 50,89,113 | 3.06 | 26 (52%) |
| 30 | CLA | A | 818 | 1 | 52,62,73 | 2.14 | 15 (28%) | 60,99,113 | 2.93 | 26 (43%) |
| 33 | BCR | A | 849 | - | 41,41,41 | 1.12 | 2 (4%) | 56,56,56 | 1.40 | 8 (14%) |
| 35 | LMT | 6 | 302 | - | 32,32,36 | 0.36 | 0 | 43,43,47 | 0.93 | 2 (4%) |
| 37 | A86 | 15 | 322 | 30 | 47,50,50 | 4.53 | 24 (51%) | 51,76,76 | 6.97 | 18 (35%) |
| 30 | CLA | 2 | 313 | 14 | 43,53,73 | 2.51 | 16 (37%) | 50,89,113 | 3.11 | 25 (50%) |
| 30 | CLA | 4 | 311 | 16 | 48,58,73 | 2.34 | 16 (33%) | 56,95,113 | 3.12 | 31 (55%) |
| 33 | BCR | A | 850 | - | 41,41,41 | 1.13 | 2 (4%) | 56,56,56 | 1.36 | 9 (16%) |
| 30 | CLA | 6 | 305 | 18 | 63,73,73 | 2.05 | 16 (25%) | 74,113,113 | 2.61 | 28 (37%) |
| 38 | KC1 | 10 | 306 | 22 | 48,53,53 | 3.08 | 24 (50%) | 54,89,89 | 3.84 | 30 (55%) |
| 38 | KC1 | 16 | 311 | 28 | 48,53,53 | 3.17 | 25 (52%) | 54,89,89 | 3.56 | 26 (48%) |
| 30 | CLA | A | 814 | 1 | 58,68,73 | 2.05 | 14 (24%) | 68,107,113 | 2.67 | 29 (42%) |
| 30 | CLA | B | 833 | 30,40 | 63,73,73 | 1.98 | 17 (26%) | 74,113,113 | 2.54 | 26 (35%) |
| 37 | A86 | 5 | 315 | - | 47,50,50 | 4.30 | 24 (51%) | 51,76,76 | 6.93 | 17 (33%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|-------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 34 | LHG | A | 853 | 30 | 26,26,48 | 0.93 | 1 (3%) | 29,32,54 | 1.29 | 3 (10%) |
| 30 | CLA | 9 | 308 | 21 | 63,73,73 | 2.00 | 14 (22%) | 74,113,113 | 2.75 | 31 (41%) |
| 30 | CLA | B | 836 | 2 | 45,55,73 | 2.29 | 16 (35%) | 52,91,113 | 3.13 | 24 (46%) |
| 30 | CLA | 15 | 308 | 27,30 | 43,53,73 | 2.48 | 17 (39%) | 50,89,113 | 3.01 | 26 (52%) |
| 30 | CLA | 5 | 309 | 34 | 63,73,73 | 2.03 | 16 (25%) | 74,113,113 | 2.54 | 27 (36%) |
| 39 | DD6 | 3 | 316 | - | 40,45,45 | 5.56 | 25 (62%) | 51,67,67 | 5.81 | 26 (50%) |
| 30 | CLA | 12 | 307 | 24 | 44,54,73 | 2.36 | 15 (34%) | 51,90,113 | 3.10 | 26 (50%) |
| 38 | KC1 | 14 | 308 | 26,30 | 48,53,53 | 3.16 | 24 (50%) | 54,89,89 | 3.63 | 28 (51%) |
| 38 | KC1 | 11 | 307 | 23 | 48,53,53 | 3.15 | 23 (47%) | 54,89,89 | 3.67 | 30 (55%) |
| 30 | CLA | 6 | 310 | 34 | 63,73,73 | 2.04 | 14 (22%) | 74,113,113 | 2.53 | 26 (35%) |
| 30 | CLA | B | 805 | 2 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.62 | 27 (36%) |
| 30 | CLA | A | 810 | 1 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.60 | 28 (37%) |
| 30 | CLA | 15 | 307 | 27 | 48,58,73 | 2.35 | 18 (37%) | 56,95,113 | 2.92 | 26 (46%) |
| 34 | LHG | B | 848 | 30 | 26,26,48 | 0.94 | 1 (3%) | 29,32,54 | 1.37 | 4 (13%) |
| 38 | KC1 | 4 | 308 | 16 | 48,53,53 | 3.17 | 22 (45%) | 54,89,89 | 3.47 | 29 (53%) |
| 38 | KC1 | 13 | 312 | 25 | 48,53,53 | 3.20 | 26 (54%) | 54,89,89 | 3.66 | 29 (53%) |
| 38 | KC1 | 5 | 310 | 17 | 48,53,53 | 3.11 | 22 (45%) | 54,89,89 | 3.78 | 29 (53%) |
| 37 | A86 | 10 | 301 | 22 | 47,50,50 | 4.11 | 22 (46%) | 51,76,76 | 6.02 | 21 (41%) |
| 30 | CLA | 5 | 308 | 17 | 63,73,73 | 2.00 | 14 (22%) | 74,113,113 | 2.61 | 28 (37%) |
| 37 | A86 | 14 | 316 | - | 47,50,50 | 4.28 | 23 (48%) | 51,76,76 | 6.76 | 18 (35%) |
| 30 | CLA | 2 | 305 | 40 | 63,73,73 | 2.00 | 15 (23%) | 74,113,113 | 2.69 | 28 (37%) |
| 38 | KC1 | 7 | 313 | - | 48,53,53 | 3.07 | 20 (41%) | 54,89,89 | 3.67 | 30 (55%) |
| 30 | CLA | B | 827 | 2 | 63,73,73 | 1.95 | 15 (23%) | 74,113,113 | 2.51 | 27 (36%) |
| 30 | CLA | 8 | 304 | 20 | 56,66,73 | 2.08 | 14 (25%) | 65,104,113 | 2.94 | 30 (46%) |
| 37 | A86 | 15 | 317 | 30 | 47,50,50 | 4.40 | 24 (51%) | 51,76,76 | 6.99 | 14 (27%) |
| 30 | CLA | 2u | 202 | 12 | 63,73,73 | 1.97 | 17 (26%) | 74,113,113 | 2.64 | 28 (37%) |
| 30 | CLA | B | 816 | 2 | 53,63,73 | 2.15 | 16 (30%) | 62,101,113 | 2.91 | 26 (41%) |
| 39 | DD6 | 9 | 314 | - | 40,45,45 | 5.51 | 23 (57%) | 51,67,67 | 6.27 | 27 (52%) |
| 30 | CLA | B | 826 | 2 | 63,73,73 | 1.97 | 16 (25%) | 74,113,113 | 2.65 | 28 (37%) |
| 37 | A86 | 15 | 323 | - | 47,50,50 | 4.44 | 24 (51%) | 51,76,76 | 6.96 | 15 (29%) |
| 37 | A86 | 4 | 312 | - | 47,50,50 | 4.16 | 23 (48%) | 51,76,76 | 7.19 | 20 (39%) |
| 30 | CLA | A | 822 | 40 | 63,73,73 | 1.97 | 16 (25%) | 74,113,113 | 2.45 | 27 (36%) |
| 30 | CLA | 16 | 306 | 28 | 50,60,73 | 2.29 | 18 (36%) | 57,97,113 | 2.91 | 28 (49%) |
| 30 | CLA | 16 | 305 | 28 | 48,58,73 | 2.30 | 18 (37%) | 56,95,113 | 2.91 | 26 (46%) |
| 38 | KC1 | 3 | 304 | 15 | 48,53,53 | 3.11 | 26 (54%) | 54,89,89 | 3.77 | 30 (55%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|----------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 35 | LMT | A | 857 | - | 36,36,36 | 0.37 | 0 | 47,47,47 | 0.79 | 1 (2%) |
| 35 | LMT | A | 854 | - | 36,36,36 | 0.45 | 0 | 47,47,47 | 1.19 | 5 (10%) |
| 30 | CLA | 14 | 303 | 26 | 55,65,73 | 2.22 | 15 (27%) | 64,103,113 | 2.79 | 29 (45%) |
| 30 | CLA | 10 | 305 | 40 | 63,73,73 | 2.01 | 16 (25%) | 74,113,113 | 2.72 | 31 (41%) |
| 30 | CLA | 5 | 304 | 17 | 63,73,73 | 2.10 | 17 (26%) | 74,113,113 | 2.63 | 28 (37%) |
| 35 | LMT | 12 | 319 | - | 36,36,36 | 0.41 | 0 | 47,47,47 | 0.87 | 1 (2%) |
| 37 | A86 | 9 | 316 | 30 | 47,50,50 | 4.47 | 25 (53%) | 51,76,76 | 6.96 | 16 (31%) |
| 30 | CLA | 13 | 302 | 25 | 63,73,73 | 2.05 | 16 (25%) | 74,113,113 | 2.53 | 26 (35%) |
| 30 | CLA | 13 | 309 | - | 43,53,73 | 2.53 | 17 (39%) | 50,89,113 | 3.10 | 24 (48%) |
| 34 | LHG | 2 | 320 | 30 | 26,26,48 | 0.88 | 1 (3%) | 29,32,54 | 1.28 | 3 (10%) |
| 30 | CLA | 2 | 309 | 14,34 | 63,73,73 | 2.05 | 16 (25%) | 74,113,113 | 2.58 | 28 (37%) |
| 30 | CLA | B | 806 | 2 | 63,73,73 | 1.97 | 14 (22%) | 74,113,113 | 2.59 | 27 (36%) |
| 38 | KC1 | 6 | 312 | 18 | 48,53,53 | 3.10 | 22 (45%) | 54,89,89 | 3.57 | 29 (53%) |
| 30 | CLA | A | 842 | 1 | 63,73,73 | 1.98 | 16 (25%) | 74,113,113 | 2.66 | 29 (39%) |
| 30 | CLA | 4 | 306 | 16 | 63,73,73 | 2.01 | 13 (20%) | 74,113,113 | 2.59 | 29 (39%) |
| 33 | BCR | J | 102 | - | 41,41,41 | 1.09 | 2 (4%) | 56,56,56 | 1.20 | 4 (7%) |
| 37 | A86 | 4 | 315 | - | 47,50,50 | 4.26 | 23 (48%) | 51,76,76 | 6.63 | 19 (37%) |
| 30 | CLA | 12 | 308 | 40 | 63,73,73 | 2.04 | 17 (26%) | 74,113,113 | 2.55 | 27 (36%) |
| 30 | CLA | B | 810 | 2 | 63,73,73 | 1.97 | 16 (25%) | 74,113,113 | 2.61 | 27 (36%) |
| 36 | LMG | 14 | 321 | - | 38,38,55 | 1.03 | 4 (10%) | 46,46,63 | 1.21 | 3 (6%) |
| 37 | A86 | 14 | 319 | 30 | 47,50,50 | 4.31 | 24 (51%) | 51,76,76 | 6.93 | 16 (31%) |
| 30 | CLA | 8 | 305 | 20 | 63,73,73 | 1.97 | 15 (23%) | 74,113,113 | 4.60 | 31 (41%) |
| 31 | PQN | A | 845 | - | 34,34,34 | 1.55 | 2 (5%) | 43,45,45 | 1.14 | 4 (9%) |
| 38 | KC1 | 8 | 310 | 20 | 48,53,53 | 3.06 | 21 (43%) | 54,89,89 | 3.64 | 28 (51%) |
| 37 | A86 | 10 | 315 | - | 47,50,50 | 4.34 | 24 (51%) | 51,76,76 | 6.84 | 16 (31%) |
| 37 | A86 | 16 | 314 | - | 47,50,50 | 4.35 | 24 (51%) | 51,76,76 | 7.10 | 19 (37%) |
| 36 | LMG | B | 847 | - | 55,55,55 | 0.81 | 1 (1%) | 63,63,63 | 1.37 | 8 (12%) |
| 30 | CLA | 14 | 302 | 26 | 63,73,73 | 2.07 | 15 (23%) | 74,113,113 | 2.67 | 31 (41%) |
| 37 | A86 | 14 | 320 | - | 47,50,50 | 4.38 | 25 (53%) | 51,76,76 | 5.94 | 19 (37%) |
| 30 | CLA | 6 | 316 | 40 | 53,63,73 | 2.23 | 15 (28%) | 62,101,113 | 2.72 | 25 (40%) |
| 30 | CLA | 9 | 307 | 21 | 63,73,73 | 2.01 | 17 (26%) | 74,113,113 | 2.58 | 26 (35%) |
| 30 | CLA | 15 | 303 | 27,37,30 | 58,68,73 | 2.14 | 17 (29%) | 68,107,113 | 2.77 | 28 (41%) |
| 30 | CLA | A | 832 | 1 | 48,58,73 | 2.23 | 15 (31%) | 56,95,113 | 2.97 | 28 (50%) |
| 30 | CLA | B | 818 | 2 | 58,68,73 | 2.04 | 14 (24%) | 68,107,113 | 2.80 | 29 (42%) |
| 30 | CLA | B | 830 | 2 | 63,73,73 | 1.95 | 18 (28%) | 74,113,113 | 2.74 | 28 (37%) |

| Mol | Type | Chain | Res | Link | Bond lengths | | | Bond angles | | |
|-----|------|-------|-----|------|--------------|------|----------|-------------|------|----------|
| | | | | | Counts | RMSZ | # Z > 2 | Counts | RMSZ | # Z > 2 |
| 38 | KC1 | 11 | 312 | - | 48,53,53 | 3.13 | 23 (47%) | 54,89,89 | 3.46 | 29 (53%) |
| 30 | CLA | 2 | 308 | 14 | 63,73,73 | 2.03 | 14 (22%) | 74,113,113 | 2.61 | 27 (36%) |
| 33 | BCR | 2u | 201 | - | 41,41,41 | 1.21 | 4 (9%) | 56,56,56 | 1.41 | 8 (14%) |
| 30 | CLA | A | 821 | 1 | 59,69,73 | 1.99 | 16 (27%) | 69,108,113 | 2.66 | 27 (39%) |
| 33 | BCR | B | 842 | - | 41,41,41 | 1.08 | 2 (4%) | 56,56,56 | 1.22 | 6 (10%) |
| 33 | BCR | L | 205 | - | 41,41,41 | 1.06 | 2 (4%) | 56,56,56 | 1.26 | 5 (8%) |
| 37 | A86 | 16 | 312 | 28 | 47,50,50 | 4.32 | 24 (51%) | 51,76,76 | 6.84 | 22 (43%) |
| 30 | CLA | A | 805 | 1,30 | 57,67,73 | 2.11 | 15 (26%) | 66,105,113 | 2.78 | 29 (43%) |
| 33 | BCR | B | 845 | - | 41,41,41 | 1.10 | 2 (4%) | 56,56,56 | 1.21 | 5 (8%) |
| 30 | CLA | A | 802 | 40 | 63,73,73 | 1.96 | 15 (23%) | 74,113,113 | 2.70 | 29 (39%) |
| 33 | BCR | A | 847 | - | 41,41,41 | 1.18 | 3 (7%) | 56,56,56 | 1.25 | 6 (10%) |
| 38 | KC1 | 2 | 306 | 14 | 48,53,53 | 3.13 | 25 (52%) | 54,89,89 | 3.79 | 30 (55%) |
| 35 | LMT | 7 | 321 | - | 36,36,36 | 0.32 | 0 | 47,47,47 | 0.75 | 1 (2%) |
| 30 | CLA | 12 | 303 | 24 | 63,73,73 | 2.05 | 18 (28%) | 74,113,113 | 2.57 | 26 (35%) |
| 33 | BCR | M | 101 | - | 41,41,41 | 1.10 | 3 (7%) | 56,56,56 | 1.29 | 6 (10%) |
| 30 | CLA | B | 809 | 2 | 63,73,73 | 1.89 | 16 (25%) | 74,113,113 | 2.51 | 26 (35%) |
| 33 | BCR | A | 848 | - | 41,41,41 | 1.05 | 2 (4%) | 56,56,56 | 1.23 | 3 (5%) |
| 38 | KC1 | 9 | 310 | 21 | 48,53,53 | 3.09 | 22 (45%) | 54,89,89 | 3.80 | 29 (53%) |
| 39 | DD6 | 12 | 317 | - | 40,45,45 | 5.44 | 23 (57%) | 51,67,67 | 6.19 | 27 (52%) |
| 30 | CLA | A | 803 | - | 63,73,73 | 1.95 | 15 (23%) | 74,113,113 | 2.56 | 30 (40%) |
| 37 | A86 | 4 | 317 | - | 47,50,50 | 4.25 | 22 (46%) | 51,76,76 | 6.29 | 17 (33%) |
| 37 | A86 | 7 | 319 | - | 47,50,50 | 4.35 | 24 (51%) | 51,76,76 | 6.86 | 22 (43%) |
| 30 | CLA | 11 | 306 | 40 | 53,63,73 | 2.22 | 16 (30%) | 62,101,113 | 2.94 | 30 (48%) |
| 30 | CLA | A | 827 | 40 | 63,73,73 | 1.93 | 17 (26%) | 74,113,113 | 2.79 | 29 (39%) |
| 30 | CLA | 11 | 304 | 23 | 63,73,73 | 2.06 | 16 (25%) | 74,113,113 | 2.60 | 26 (35%) |
| 39 | DD6 | 15 | 318 | - | 40,45,45 | 5.60 | 23 (57%) | 51,67,67 | 6.05 | 30 (58%) |
| 36 | LMG | 7 | 320 | - | 37,37,55 | 0.99 | 3 (8%) | 45,45,63 | 1.25 | 6 (13%) |
| 39 | DD6 | 6 | 303 | 30 | 40,45,45 | 5.56 | 24 (60%) | 51,67,67 | 5.54 | 26 (50%) |
| 38 | KC1 | 5 | 312 | 17 | 48,53,53 | 3.12 | 22 (45%) | 54,89,89 | 3.66 | 28 (51%) |
| 37 | A86 | 1 | 309 | - | 47,50,50 | 4.20 | 24 (51%) | 51,76,76 | 7.24 | 21 (41%) |
| 30 | CLA | 12 | 302 | 24 | 63,73,73 | 1.99 | 15 (23%) | 74,113,113 | 2.68 | 31 (41%) |
| 37 | A86 | 15 | 316 | 30 | 47,50,50 | 4.35 | 24 (51%) | 51,76,76 | 6.47 | 16 (31%) |
| 30 | CLA | 15 | 310 | 27 | 43,53,73 | 2.58 | 16 (37%) | 50,89,113 | 3.12 | 24 (48%) |
| 39 | DD6 | 7 | 317 | - | 40,45,45 | 5.46 | 21 (52%) | 51,67,67 | 5.86 | 29 (56%) |

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 |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 30 | CLA | F | 201 | 40 | 1/1/15/20 | 7/37/115/115 | - |
| 32 | SF4 | C | 102 | 3 | - | - | 0/6/5/5 |
| 38 | KC1 | 6 | 308 | 18 | - | 6/15/71/71 | - |
| 39 | DD6 | 12 | 315 | 30 | - | 9/26/80/80 | 0/3/3/3 |
| 30 | CLA | B | 837 | 40 | 1/1/15/20 | 5/37/115/115 | - |
| 30 | CLA | 7 | 311 | 19 | 1/1/15/20 | 12/37/115/115 | - |
| 30 | CLA | 4 | 303 | 16 | 1/1/15/20 | 4/37/115/115 | - |
| 39 | DD6 | 15 | 319 | 30 | - | 13/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 1 | 308 | 13 | - | 3/15/71/71 | - |
| 38 | KC1 | 8 | 314 | 38,40 | - | 5/15/71/71 | - |
| 30 | CLA | 14 | 313 | 26 | 1/1/11/20 | 2/15/93/115 | - |
| 36 | LMG | 6 | 301 | 30 | - | 16/28/48/70 | 0/1/1/1 |
| 33 | BCR | L | 201 | - | - | 12/29/63/63 | 0/2/2/2 |
| 30 | CLA | 5 | 311 | 17,40 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | A | 817 | 36,40 | - | 4/18/96/115 | - |
| 30 | CLA | A | 840 | 1 | 1/1/11/20 | 3/16/94/115 | - |
| 30 | CLA | A | 824 | 1 | 1/1/12/20 | 3/21/99/115 | - |
| 30 | CLA | 1 | 302 | 13,30 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | A | 831 | 1 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | B | 804 | 2 | 1/1/12/20 | 6/22/100/115 | - |
| 36 | LMG | 2u | 204 | 12 | - | 14/26/46/70 | 0/1/1/1 |
| 37 | A86 | 8 | 315 | - | - | 7/34/90/90 | 0/3/3/3 |
| 30 | CLA | B | 808 | 2 | 1/1/15/20 | 12/37/115/115 | - |
| 30 | CLA | B | 803 | - | 1/1/15/20 | 5/37/115/115 | - |
| 30 | CLA | 5 | 302 | 17 | 1/1/15/20 | 12/37/115/115 | - |
| 30 | CLA | A | 812 | 1,30 | 1/1/15/20 | 14/37/115/115 | - |
| 30 | CLA | 4 | 302 | 16 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 3 | 305 | 15 | 1/1/14/20 | 11/34/112/115 | - |
| 30 | CLA | 5 | 303 | 17 | 1/1/15/20 | 5/37/115/115 | - |
| 30 | CLA | 2 | 303 | 14 | - | 12/25/103/115 | - |
| 39 | DD6 | 11 | 313 | - | - | 11/26/80/80 | 0/3/3/3 |
| 30 | CLA | 7 | 309 | 19 | 1/1/15/20 | 10/37/115/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 37 | A86 | 11 | 301 | - | - | 13/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 4 | 310 | 16 | - | 4/15/71/71 | - |
| 39 | DD6 | 10 | 314 | - | - | 9/26/80/80 | 0/3/3/3 |
| 30 | CLA | A | 813 | 1 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 2 | 301 | 2,14 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | B | 832 | 37,40 | 1/1/15/20 | 5/37/115/115 | - |
| 37 | A86 | 2 | 319 | - | - | 9/34/90/90 | 0/3/3/3 |
| 30 | CLA | 10 | 307 | 22 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 9 | 305 | - | 1/1/15/20 | 11/37/115/115 | - |
| 30 | CLA | A | 844 | - | 1/1/15/20 | 12/37/115/115 | - |
| 38 | KC1 | 12 | 311 | 24 | - | 5/15/71/71 | - |
| 30 | CLA | 8 | 308 | 20 | 1/1/13/20 | 8/25/103/115 | - |
| 33 | BCR | F | 204 | - | - | 8/29/63/63 | 0/2/2/2 |
| 36 | LMG | 3 | 317 | - | - | 18/32/52/70 | 0/1/1/1 |
| 30 | CLA | 3 | 310 | 15 | - | 3/13/91/115 | - |
| 38 | KC1 | 10 | 310 | 22 | - | 6/15/71/71 | - |
| 30 | CLA | 2 | 307 | 14 | 1/1/15/20 | 7/37/115/115 | - |
| 37 | A86 | 10 | 317 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | B | 829 | 2 | 1/1/15/20 | 11/37/115/115 | - |
| 35 | LMT | 9 | 317 | - | - | 5/18/58/61 | 0/2/2/2 |
| 38 | KC1 | 9 | 311 | 21 | - | 9/15/71/71 | - |
| 37 | A86 | 14 | 318 | - | - | 16/34/90/90 | 0/3/3/3 |
| 37 | A86 | 12 | 316 | - | - | 16/34/90/90 | 0/3/3/3 |
| 30 | CLA | 6 | 307 | 39,18 | 1/1/15/20 | 11/37/115/115 | - |
| 30 | CLA | 15 | 309 | 27 | - | 10/37/115/115 | - |
| 30 | CLA | 15 | 312 | 27 | 1/1/11/20 | 6/13/91/115 | - |
| 39 | DD6 | 2 | 316 | - | - | 12/26/80/80 | 0/3/3/3 |
| 35 | LMT | 11 | 317 | - | - | 2/21/61/61 | 0/2/2/2 |
| 30 | CLA | 16 | 301 | 28 | - | 13/37/115/115 | - |
| 36 | LMG | B | 849 | 2 | - | 14/38/58/70 | 0/1/1/1 |
| 30 | CLA | B | 825 | 2 | 1/1/15/20 | 8/37/115/115 | - |
| 30 | CLA | B | 817 | 2 | 1/1/13/20 | 4/30/108/115 | - |
| 30 | CLA | 13 | 301 | 25 | 1/1/15/20 | 15/37/115/115 | - |
| 38 | KC1 | 1 | 306 | 13 | - | 9/15/71/71 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 30 | CLA | A | 804 | 1 | 1/1/15/20 | 11/37/115/115 | - |
| 30 | CLA | J | 101 | 8 | 1/1/11/20 | 2/13/91/115 | - |
| 39 | DD6 | 2 | 317 | - | - | 14/26/80/80 | 0/3/3/3 |
| 30 | CLA | 7 | 306 | 19 | 1/1/15/20 | 8/37/115/115 | - |
| 33 | BCR | I | 101 | - | - | 4/29/63/63 | 0/2/2/2 |
| 30 | CLA | A | 806 | 1 | 1/1/15/20 | 14/37/115/115 | - |
| 30 | CLA | B | 801 | 2 | 1/1/15/20 | 6/37/115/115 | - |
| 37 | A86 | 7 | 315 | - | - | 16/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 6 | 311 | 18 | - | 10/15/71/71 | - |
| 38 | KC1 | 8 | 307 | 20 | - | 8/15/71/71 | - |
| 30 | CLA | 16 | 302 | 28 | 1/1/15/20 | 8/37/115/115 | - |
| 38 | KC1 | 5 | 305 | 17 | - | 5/15/71/71 | - |
| 30 | CLA | 16 | 303 | 28 | 1/1/15/20 | 18/37/115/115 | - |
| 30 | CLA | 13 | 303 | - | - | 7/37/115/115 | - |
| 30 | CLA | B | 839 | 34 | 1/1/15/20 | 4/37/115/115 | - |
| 31 | PQN | B | 840 | - | - | 5/23/43/43 | 0/2/2/2 |
| 35 | LMT | A | 855 | - | - | 4/21/61/61 | 0/2/2/2 |
| 30 | CLA | 10 | 304 | 22 | 1/1/15/20 | 2/37/115/115 | - |
| 30 | CLA | 7 | 303 | 19 | 1/1/15/20 | 10/37/115/115 | - |
| 33 | BCR | B | 843 | - | - | 8/29/63/63 | 0/2/2/2 |
| 37 | A86 | 11 | 315 | - | - | 13/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 7 | 308 | 40 | - | 7/15/71/71 | - |
| 30 | CLA | 16 | 310 | 28 | 1/1/11/20 | 6/13/91/115 | - |
| 36 | LMG | F | 205 | - | - | 14/21/41/70 | 0/1/1/1 |
| 37 | A86 | 14 | 314 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | B | 807 | 2 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | 15 | 306 | - | 1/1/11/20 | 6/13/91/115 | - |
| 37 | A86 | 14 | 315 | 26 | - | 10/34/90/90 | 0/3/3/3 |
| 33 | BCR | A | 851 | - | - | 7/29/63/63 | 0/2/2/2 |
| 30 | CLA | B | 824 | 40 | 1/1/15/20 | 5/37/115/115 | - |
| 30 | CLA | A | 825 | 1 | 1/1/13/20 | 11/30/108/115 | - |
| 37 | A86 | 3 | 315 | - | - | 14/34/90/90 | 0/3/3/3 |
| 30 | CLA | 14 | 305 | 26 | 1/1/12/20 | 1/19/97/115 | - |
| 30 | CLA | A | 830 | 1 | 1/1/15/20 | 9/37/115/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 35 | LMT | 16 | 315 | - | - | 5/21/61/61 | 0/2/2/2 |
| 30 | CLA | B | 813 | 2 | 1/1/15/20 | 20/37/115/115 | - |
| 35 | LMT | B | 852 | - | - | 8/21/61/61 | 0/2/2/2 |
| 37 | A86 | 15 | 321 | 27 | - | 13/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 9 | 312 | 21 | - | 6/15/71/71 | - |
| 39 | DD6 | 2 | 315 | - | - | 12/26/80/80 | 0/3/3/3 |
| 36 | LMG | 5 | 318 | - | - | 11/28/48/70 | 0/1/1/1 |
| 30 | CLA | 15 | 311 | 37 | 1/1/11/20 | 6/13/91/115 | - |
| 30 | CLA | 16 | 308 | 28 | 1/1/11/20 | 4/13/91/115 | - |
| 30 | CLA | B | 831 | 2 | - | 7/29/107/115 | - |
| 38 | KC1 | 8 | 311 | 40 | - | 5/15/71/71 | - |
| 38 | KC1 | 12 | 305 | 24 | - | 7/15/71/71 | - |
| 30 | CLA | 7 | 305 | 19,40 | 1/1/15/20 | 8/37/115/115 | - |
| 33 | BCR | B | 841 | - | - | 10/29/63/63 | 0/2/2/2 |
| 38 | KC1 | 14 | 311 | 26 | - | 5/15/71/71 | - |
| 30 | CLA | A | 835 | 1 | 1/1/15/20 | 9/37/115/115 | - |
| 38 | KC1 | 3 | 308 | 15 | - | 8/15/71/71 | - |
| 30 | CLA | A | 839 | 1 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 14 | 312 | 26,37 | - | 6/13/91/115 | - |
| 30 | CLA | 10 | 309 | 22 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 6 | 314 | 18 | - | 16/37/115/115 | - |
| 30 | CLA | 4 | 304 | - | 1/1/14/20 | 8/31/109/115 | - |
| 37 | A86 | 14 | 301 | 26 | - | 7/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 13 | 311 | 25 | - | 2/15/71/71 | - |
| 30 | CLA | 3 | 302 | 15 | 1/1/14/20 | 7/31/109/115 | - |
| 30 | CLA | B | 851 | 2,14 | - | 10/37/115/115 | - |
| 39 | DD6 | 3 | 312 | - | - | 11/26/80/80 | 0/3/3/3 |
| 30 | CLA | 3 | 303 | 15 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 16 | 309 | 28 | - | 4/13/91/115 | - |
| 34 | LHG | 6 | 322 | 30 | - | 11/31/31/53 | - |
| 37 | A86 | 2 | 318 | - | - | 8/34/90/90 | 0/3/3/3 |
| 30 | CLA | 9 | 301 | 34 | 1/1/15/20 | 7/37/115/115 | - |
| 38 | KC1 | 8 | 312 | 38 | - | 9/15/71/71 | - |
| 30 | CLA | 7 | 312 | 19 | 1/1/11/20 | 5/15/93/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 37 | A86 | 9 | 315 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 14 | 307 | 38 | - | 6/37/115/115 | - |
| 30 | CLA | 6 | 309 | 18 | 1/1/15/20 | 12/37/115/115 | - |
| 30 | CLA | A | 809 | 1,30 | 1/1/15/20 | 15/37/115/115 | - |
| 30 | CLA | B | 815 | 2 | 1/1/11/20 | 2/13/91/115 | - |
| 35 | LMT | 12 | 318 | - | - | 3/21/61/61 | 0/2/2/2 |
| 30 | CLA | F | 202 | 40 | 1/1/15/20 | 17/37/115/115 | - |
| 35 | LMT | 8 | 322 | - | - | 3/21/61/61 | 0/2/2/2 |
| 30 | CLA | 9 | 302 | 21,9 | 1/1/12/20 | 5/21/99/115 | - |
| 30 | CLA | A | 834 | 1 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | A | 826 | 40 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 9 | 303 | 21 | - | 9/37/115/115 | - |
| 39 | DD6 | 4 | 316 | - | - | 14/26/80/80 | 0/3/3/3 |
| 30 | CLA | 1 | 307 | 13 | - | 16/37/115/115 | - |
| 30 | CLA | 7 | 307 | 19 | - | 15/37/115/115 | - |
| 37 | A86 | 12 | 314 | - | - | 12/34/90/90 | 0/3/3/3 |
| 36 | LMG | A | 856 | - | - | 15/29/49/70 | 0/1/1/1 |
| 39 | DD6 | 4 | 313 | - | - | 14/26/80/80 | 0/3/3/3 |
| 30 | CLA | A | 811 | 1 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 3 | 306 | 15 | 1/1/15/20 | 9/37/115/115 | - |
| 38 | KC1 | 9 | 304 | 21 | - | 6/15/71/71 | - |
| 29 | CL0 | A | 801 | 1 | 3/3/20/25 | 4/37/135/135 | - |
| 33 | BCR | L | 204 | - | - | 11/29/63/63 | 0/2/2/2 |
| 30 | CLA | A | 843 | 40 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | 8 | 301 | 20 | 1/1/15/20 | 16/37/115/115 | - |
| 30 | CLA | 4 | 301 | 2,16 | 1/1/11/20 | 6/18/96/115 | - |
| 37 | A86 | 15 | 320 | - | - | 15/34/90/90 | 0/3/3/3 |
| 36 | LMG | 8 | 320 | - | - | 20/37/57/70 | 0/1/1/1 |
| 38 | KC1 | 16 | 304 | 28 | - | 7/15/71/71 | - |
| 33 | BCR | J | 103 | - | - | 9/29/63/63 | 0/2/2/2 |
| 38 | KC1 | 2 | 314 | 40 | - | 9/15/71/71 | - |
| 30 | CLA | A | 829 | 1,30 | 1/1/15/20 | 13/37/115/115 | - |
| 37 | A86 | 2u | 205 | - | - | 11/34/90/90 | 0/3/3/3 |
| 30 | CLA | 6 | 315 | 18 | 1/1/11/20 | 2/13/91/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|----------|-----------|---------------|---------|
| 39 | DD6 | 7 | 318 | - | - | 14/26/80/80 | 0/3/3/3 |
| 30 | CLA | B | 822 | 2,30 | - | 9/37/115/115 | - |
| 30 | CLA | 12 | 304 | 39,24 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 8 | 302 | 20 | 1/1/15/20 | 7/37/115/115 | - |
| 35 | LMT | 1 | 311 | - | - | 5/21/61/61 | 0/2/2/2 |
| 30 | CLA | 8 | 303 | 40 | - | 10/37/115/115 | - |
| 30 | CLA | B | 820 | 2 | - | 3/13/91/115 | - |
| 37 | A86 | 9 | 313 | 21 | - | 8/34/90/90 | 0/3/3/3 |
| 37 | A86 | 5 | 316 | - | - | 6/34/90/90 | 0/3/3/3 |
| 30 | CLA | 12 | 312 | 24 | 1/1/15/20 | 12/37/115/115 | - |
| 37 | A86 | 13 | 315 | - | - | 12/34/90/90 | 0/3/3/3 |
| 30 | CLA | 15 | 304 | 27,39,30 | 1/1/15/20 | 19/37/115/115 | - |
| 30 | CLA | 7 | 304 | 19 | 1/1/15/20 | 7/37/115/115 | - |
| 39 | DD6 | 6 | 321 | - | - | 12/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 12 | 313 | 24 | - | 7/15/71/71 | - |
| 30 | CLA | 12 | 310 | 40 | - | 8/37/115/115 | - |
| 30 | CLA | A | 828 | 1 | 1/1/15/20 | 11/37/115/115 | - |
| 32 | SF4 | C | 101 | 3 | - | - | 0/6/5/5 |
| 37 | A86 | 4 | 314 | - | - | 9/34/90/90 | 0/3/3/3 |
| 30 | CLA | 6 | 317 | - | 1/1/15/20 | 13/37/115/115 | - |
| 33 | BCR | B | 844 | - | - | 9/29/63/63 | 0/2/2/2 |
| 30 | CLA | L | 203 | 40 | 1/1/11/20 | 1/13/91/115 | - |
| 30 | CLA | A | 836 | 1 | 1/1/12/20 | 7/24/102/115 | - |
| 30 | CLA | 6 | 306 | 40 | 1/1/15/20 | 8/37/115/115 | - |
| 30 | CLA | B | 811 | 2,30 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 6 | 304 | 18 | 1/1/15/20 | 10/37/115/115 | - |
| 38 | KC1 | 12 | 309 | 24 | - | 9/15/71/71 | - |
| 38 | KC1 | 13 | 306 | 25 | - | 9/15/71/71 | - |
| 38 | KC1 | 13 | 305 | 25 | - | 8/15/71/71 | - |
| 39 | DD6 | 7 | 314 | - | - | 11/26/80/80 | 0/3/3/3 |
| 39 | DD6 | 5 | 314 | - | - | 10/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 6 | 313 | 18 | - | 5/15/71/71 | - |
| 37 | A86 | 15 | 315 | 27 | - | 9/34/90/90 | 0/3/3/3 |
| 37 | A86 | 14 | 317 | - | - | 15/34/90/90 | 0/3/3/3 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 30 | CLA | B | 819 | 40 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 2 | 304 | 14 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 13 | 304 | 25 | - | 6/13/91/115 | - |
| 37 | A86 | 2 | 302 | - | - | 10/34/90/90 | 0/3/3/3 |
| 34 | LHG | A | 852 | - | - | 25/53/53/53 | - |
| 38 | KC1 | 14 | 306 | 26 | - | 8/15/71/71 | - |
| 30 | CLA | F | 203 | 6 | 1/1/11/20 | 6/13/91/115 | - |
| 38 | KC1 | 13 | 308 | 25 | - | 10/15/71/71 | - |
| 37 | A86 | 7 | 316 | - | - | 6/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 4 | 307 | 16 | - | 6/15/71/71 | - |
| 37 | A86 | 10 | 316 | - | - | 11/34/90/90 | 0/3/3/3 |
| 39 | DD6 | 1 | 310 | - | - | 12/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 11 | 311 | 23 | - | 10/15/71/71 | - |
| 30 | CLA | B | 834 | 2 | 1/1/14/20 | 8/31/109/115 | - |
| 39 | DD6 | 16 | 313 | - | - | 13/26/80/80 | 0/3/3/3 |
| 37 | A86 | 13 | 313 | 25 | - | 10/30/86/90 | 0/3/3/3 |
| 35 | LMT | 12 | 320 | - | - | 1/21/61/61 | 0/2/2/2 |
| 35 | LMT | B | 850 | - | - | 0/21/61/61 | 0/2/2/2 |
| 30 | CLA | A | 838 | 1 | 1/1/12/20 | 4/21/99/115 | - |
| 30 | CLA | 14 | 304 | 26 | 1/1/11/20 | 4/13/91/115 | - |
| 37 | A86 | 5 | 301 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 15 | 314 | 27,30 | - | 4/13/91/115 | - |
| 30 | CLA | B | 814 | 2 | 1/1/13/20 | 5/25/103/115 | - |
| 34 | LHG | 9 | 318 | - | - | 19/38/38/53 | - |
| 38 | KC1 | 3 | 311 | 40 | - | 7/15/71/71 | - |
| 30 | CLA | A | 807 | 1 | 1/1/15/20 | 11/37/115/115 | - |
| 39 | DD6 | 7 | 302 | - | - | 12/26/80/80 | 0/3/3/3 |
| 30 | CLA | 15 | 302 | 27,30 | - | 14/37/115/115 | - |
| 35 | LMT | 12 | 301 | - | - | 4/21/61/61 | 0/2/2/2 |
| 30 | CLA | 9 | 309 | 21,40 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 14 | 310 | - | 1/1/12/20 | 4/19/97/115 | - |
| 30 | CLA | 3 | 301 | 15 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | A | 823 | 1 | - | 6/18/96/115 | - |
| 35 | LMT | 15 | 301 | - | - | 6/21/61/61 | 0/2/2/2 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 35 | LMT | 7 | 301 | 30 | - | 3/21/61/61 | 0/2/2/2 |
| 30 | CLA | 1 | 304 | 13 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | 1 | 303 | 13,30 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 7 | 310 | 19 | - | 9/37/115/115 | - |
| 30 | CLA | 3 | 307 | 15 | 1/1/15/20 | 13/37/115/115 | - |
| 34 | LHG | 5 | 317 | 30 | - | 4/31/31/53 | - |
| 30 | CLA | B | 835 | 2 | 1/1/15/20 | 5/37/115/115 | - |
| 38 | KC1 | 11 | 305 | 23 | - | 7/15/71/71 | - |
| 30 | CLA | B | 821 | 2 | 1/1/13/20 | 13/25/103/115 | - |
| 30 | CLA | 4 | 305 | 16 | 1/1/15/20 | 9/37/115/115 | - |
| 39 | DD6 | 8 | 316 | - | - | 13/26/80/80 | 0/3/3/3 |
| 30 | CLA | 13 | 307 | 25 | 1/1/15/20 | 6/37/115/115 | - |
| 30 | CLA | 15 | 313 | 27 | - | 10/37/115/115 | - |
| 30 | CLA | 8 | 309 | 20 | - | 3/16/94/115 | - |
| 30 | CLA | A | 808 | 1 | 1/1/12/20 | 3/21/99/115 | - |
| 30 | CLA | 4 | 309 | - | 1/1/15/20 | 8/37/115/115 | - |
| 30 | CLA | B | 828 | 2 | 1/1/15/20 | 13/37/115/115 | - |
| 37 | A86 | 10 | 302 | - | - | 12/34/90/90 | 0/3/3/3 |
| 39 | DD6 | 6 | 319 | - | - | 11/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 2 | 312 | 14 | - | 4/15/71/71 | - |
| 30 | CLA | A | 841 | 1 | 1/1/15/20 | 8/37/115/115 | - |
| 30 | CLA | 14 | 309 | 26 | 1/1/11/20 | 3/13/91/115 | - |
| 39 | DD6 | 3 | 313 | - | - | 9/26/80/80 | 0/3/3/3 |
| 30 | CLA | 1 | 305 | 40 | 1/1/15/20 | 8/37/115/115 | - |
| 37 | A86 | 11 | 316 | - | - | 13/34/90/90 | 0/3/3/3 |
| 30 | CLA | 10 | 303 | 22 | 1/1/15/20 | 12/37/115/115 | - |
| 30 | CLA | 9 | 306 | 21,37 | 1/1/11/20 | 5/13/91/115 | - |
| 30 | CLA | L | 202 | 9 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | 12 | 321 | 26,24 | 1/1/15/20 | 3/37/115/115 | - |
| 37 | A86 | 2u | 203 | 30 | - | 14/34/90/90 | 0/3/3/3 |
| 36 | LMG | 8 | 321 | 36 | - | 5/24/44/70 | 0/1/1/1 |
| 30 | CLA | A | 816 | 1,35 | 1/1/15/20 | 17/37/115/115 | - |
| 33 | BCR | B | 846 | - | - | 7/29/63/63 | 0/2/2/2 |
| 35 | LMT | 11 | 302 | - | - | 0/21/61/61 | 0/2/2/2 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 38 | KC1 | 8 | 313 | 20 | - | 5/15/71/71 | - |
| 30 | CLA | A | 819 | 1 | - | 6/24/102/115 | - |
| 38 | KC1 | 5 | 306 | 17 | - | 10/15/71/71 | - |
| 38 | KC1 | 8 | 306 | 40 | - | 8/15/71/71 | - |
| 30 | CLA | 10 | 308 | 22 | 1/1/15/20 | 11/37/115/115 | - |
| 37 | A86 | 8 | 318 | - | - | 11/34/90/90 | 0/3/3/3 |
| 38 | KC1 | 10 | 312 | 22 | - | 5/15/71/71 | - |
| 30 | CLA | A | 837 | 1 | 1/1/11/20 | 4/13/91/115 | - |
| 39 | DD6 | 8 | 317 | - | - | 10/26/80/80 | 0/3/3/3 |
| 35 | LMT | 11 | 303 | - | - | 11/21/61/61 | 0/2/2/2 |
| 32 | SF4 | A | 846 | 1,2 | - | - | 0/6/5/5 |
| 30 | CLA | 5 | 307 | 17 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | B | 812 | 2 | 1/1/15/20 | 7/37/115/115 | - |
| 37 | A86 | 3 | 314 | - | - | 8/34/90/90 | 0/3/3/3 |
| 30 | CLA | 2 | 311 | 14 | - | 9/37/115/115 | - |
| 30 | CLA | B | 838 | 2 | 1/1/15/20 | 15/37/115/115 | - |
| 35 | LMT | 11 | 318 | - | - | 1/21/61/61 | 0/2/2/2 |
| 30 | CLA | 2 | 310 | 14 | 1/1/15/20 | 6/37/115/115 | - |
| 30 | CLA | A | 815 | 1 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | 11 | 310 | 23 | 1/1/15/20 | 15/37/115/115 | - |
| 30 | CLA | 12 | 306 | 24 | 1/1/15/20 | 5/37/115/115 | - |
| 37 | A86 | 6 | 320 | - | - | 9/34/90/90 | 0/3/3/3 |
| 37 | A86 | 11 | 314 | - | - | 12/34/90/90 | 0/3/3/3 |
| 39 | DD6 | 10 | 313 | - | - | 11/26/80/80 | 0/3/3/3 |
| 36 | LMG | 8 | 319 | 20,36 | - | 17/32/52/70 | 0/1/1/1 |
| 30 | CLA | 1 | 301 | 13 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 11 | 309 | 23 | - | 15/37/115/115 | - |
| 39 | DD6 | 13 | 314 | - | - | 13/26/80/80 | 0/3/3/3 |
| 39 | DD6 | 5 | 313 | - | - | 9/26/80/80 | 0/3/3/3 |
| 30 | CLA | B | 823 | 40 | 1/1/12/20 | 3/24/102/115 | - |
| 30 | CLA | 3 | 309 | 15 | - | 4/13/91/115 | - |
| 38 | KC1 | 13 | 310 | 25 | - | 5/15/71/71 | - |
| 39 | DD6 | 6 | 318 | - | - | 11/26/80/80 | 0/3/3/3 |
| 30 | CLA | A | 820 | 1 | 1/1/15/20 | 16/37/115/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 30 | CLA | A | 833 | 1 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | 16 | 307 | - | 1/1/11/20 | 3/15/93/115 | - |
| 30 | CLA | 10 | 311 | - | - | 6/13/91/115 | - |
| 30 | CLA | 11 | 308 | 23 | 1/1/15/20 | 10/37/115/115 | - |
| 30 | CLA | B | 802 | 30,40 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 15 | 305 | 27,37 | 1/1/11/20 | 8/13/91/115 | - |
| 30 | CLA | A | 818 | 1 | - | 6/24/102/115 | - |
| 33 | BCR | A | 849 | - | - | 10/29/63/63 | 0/2/2/2 |
| 35 | LMT | 6 | 302 | - | - | 2/17/57/61 | 0/2/2/2 |
| 37 | A86 | 15 | 322 | 30 | - | 15/34/90/90 | 0/3/3/3 |
| 30 | CLA | 2 | 313 | 14 | - | 3/13/91/115 | - |
| 30 | CLA | 4 | 311 | 16 | 1/1/12/20 | 0/19/97/115 | - |
| 33 | BCR | A | 850 | - | - | 11/29/63/63 | 0/2/2/2 |
| 30 | CLA | 6 | 305 | 18 | 1/1/15/20 | 5/37/115/115 | - |
| 38 | KC1 | 10 | 306 | 22 | - | 8/15/71/71 | - |
| 38 | KC1 | 16 | 311 | 28 | - | 6/15/71/71 | - |
| 30 | CLA | A | 814 | 1 | 1/1/14/20 | 9/31/109/115 | - |
| 30 | CLA | B | 833 | 30,40 | 1/1/15/20 | 11/37/115/115 | - |
| 37 | A86 | 5 | 315 | - | - | 6/34/90/90 | 0/3/3/3 |
| 34 | LHG | A | 853 | 30 | - | 8/31/31/53 | - |
| 30 | CLA | 9 | 308 | 21 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | B | 836 | 2 | 1/1/11/20 | 2/16/94/115 | - |
| 30 | CLA | 15 | 308 | 27,30 | 1/1/11/20 | 8/13/91/115 | - |
| 30 | CLA | 5 | 309 | 34 | 1/1/15/20 | 9/37/115/115 | - |
| 39 | DD6 | 3 | 316 | - | - | 12/26/80/80 | 0/3/3/3 |
| 30 | CLA | 12 | 307 | 24 | 1/1/11/20 | 4/15/93/115 | - |
| 38 | KC1 | 14 | 308 | 26,30 | - | 9/15/71/71 | - |
| 38 | KC1 | 11 | 307 | 23 | - | 10/15/71/71 | - |
| 30 | CLA | 6 | 310 | 34 | 1/1/15/20 | 8/37/115/115 | - |
| 30 | CLA | B | 805 | 2 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | A | 810 | 1 | 1/1/15/20 | 11/37/115/115 | - |
| 30 | CLA | 15 | 307 | 27 | 1/1/12/20 | 6/19/97/115 | - |
| 34 | LHG | B | 848 | 30 | - | 18/31/31/53 | - |
| 38 | KC1 | 4 | 308 | 16 | - | 2/15/71/71 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|-------|-----------|---------------|---------|
| 38 | KC1 | 13 | 312 | 25 | - | 6/15/71/71 | - |
| 38 | KC1 | 5 | 310 | 17 | - | 6/15/71/71 | - |
| 37 | A86 | 10 | 301 | 22 | - | 6/34/90/90 | 0/3/3/3 |
| 30 | CLA | 5 | 308 | 17 | - | 13/37/115/115 | - |
| 37 | A86 | 14 | 316 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 2 | 305 | 40 | 1/1/15/20 | 10/37/115/115 | - |
| 38 | KC1 | 7 | 313 | - | - | 4/15/71/71 | - |
| 30 | CLA | B | 827 | 2 | 1/1/15/20 | 5/37/115/115 | - |
| 30 | CLA | 8 | 304 | 20 | 1/1/13/20 | 8/29/107/115 | - |
| 37 | A86 | 15 | 317 | 30 | - | 15/34/90/90 | 0/3/3/3 |
| 30 | CLA | 2u | 202 | 12 | 1/1/15/20 | 13/37/115/115 | - |
| 30 | CLA | B | 816 | 2 | - | 7/25/103/115 | - |
| 39 | DD6 | 9 | 314 | - | - | 12/26/80/80 | 0/3/3/3 |
| 30 | CLA | B | 826 | 2 | 1/1/15/20 | 14/37/115/115 | - |
| 37 | A86 | 15 | 323 | - | - | 16/34/90/90 | 0/3/3/3 |
| 37 | A86 | 4 | 312 | - | - | 9/34/90/90 | 0/3/3/3 |
| 30 | CLA | A | 822 | 40 | 1/1/15/20 | 7/37/115/115 | - |
| 30 | CLA | 16 | 306 | 28 | 1/1/12/20 | 13/22/100/115 | - |
| 30 | CLA | 16 | 305 | 28 | 1/1/12/20 | 2/19/97/115 | - |
| 38 | KC1 | 3 | 304 | 15 | - | 5/15/71/71 | - |
| 35 | LMT | A | 857 | - | - | 2/21/61/61 | 0/2/2/2 |
| 35 | LMT | A | 854 | - | - | 16/21/61/61 | 0/2/2/2 |
| 30 | CLA | 14 | 303 | 26 | 1/1/13/20 | 8/28/106/115 | - |
| 30 | CLA | 10 | 305 | 40 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 5 | 304 | 17 | 1/1/15/20 | 11/37/115/115 | - |
| 35 | LMT | 12 | 319 | - | - | 0/21/61/61 | 0/2/2/2 |
| 37 | A86 | 9 | 316 | 30 | - | 9/34/90/90 | 0/3/3/3 |
| 30 | CLA | 13 | 302 | 25 | 1/1/15/20 | 14/37/115/115 | - |
| 30 | CLA | 13 | 309 | - | 1/1/11/20 | 7/13/91/115 | - |
| 34 | LHG | 2 | 320 | 30 | - | 12/31/31/53 | - |
| 30 | CLA | 2 | 309 | 14,34 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | B | 806 | 2 | 1/1/15/20 | 7/37/115/115 | - |
| 38 | KC1 | 6 | 312 | 18 | - | 5/15/71/71 | - |
| 30 | CLA | A | 842 | 1 | 1/1/15/20 | 10/37/115/115 | - |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|----------|-----------|---------------|---------|
| 30 | CLA | 4 | 306 | 16 | 1/1/15/20 | 10/37/115/115 | - |
| 33 | BCR | J | 102 | - | - | 10/29/63/63 | 0/2/2/2 |
| 37 | A86 | 4 | 315 | - | - | 5/34/90/90 | 0/3/3/3 |
| 30 | CLA | 12 | 308 | 40 | 1/1/15/20 | 11/37/115/115 | - |
| 30 | CLA | B | 810 | 2 | 1/1/15/20 | 7/37/115/115 | - |
| 36 | LMG | 14 | 321 | - | - | 13/33/53/70 | 0/1/1/1 |
| 37 | A86 | 14 | 319 | 30 | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 8 | 305 | 20 | - | 13/37/115/115 | - |
| 31 | PQN | A | 845 | - | - | 6/23/43/43 | 0/2/2/2 |
| 38 | KC1 | 8 | 310 | 20 | - | 8/15/71/71 | - |
| 37 | A86 | 10 | 315 | - | - | 13/34/90/90 | 0/3/3/3 |
| 37 | A86 | 16 | 314 | - | - | 10/34/90/90 | 0/3/3/3 |
| 36 | LMG | B | 847 | - | - | 25/50/70/70 | 0/1/1/1 |
| 30 | CLA | 14 | 302 | 26 | 1/1/15/20 | 10/37/115/115 | - |
| 37 | A86 | 14 | 320 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 6 | 316 | 40 | 1/1/13/20 | 7/25/103/115 | - |
| 30 | CLA | 9 | 307 | 21 | 1/1/15/20 | 9/37/115/115 | - |
| 30 | CLA | 15 | 303 | 27,37,30 | 1/1/14/20 | 8/31/109/115 | - |
| 30 | CLA | A | 832 | 1 | - | 4/19/97/115 | - |
| 30 | CLA | B | 818 | 2 | 1/1/14/20 | 5/31/109/115 | - |
| 30 | CLA | B | 830 | 2 | 1/1/15/20 | 10/37/115/115 | - |
| 38 | KC1 | 11 | 312 | - | - | 5/15/71/71 | - |
| 30 | CLA | 2 | 308 | 14 | - | 8/37/115/115 | - |
| 33 | BCR | 2u | 201 | - | - | 11/29/63/63 | 0/2/2/2 |
| 30 | CLA | A | 821 | 1 | 1/1/14/20 | 9/33/111/115 | - |
| 33 | BCR | B | 842 | - | - | 8/29/63/63 | 0/2/2/2 |
| 33 | BCR | L | 205 | - | - | 8/29/63/63 | 0/2/2/2 |
| 37 | A86 | 16 | 312 | 28 | - | 14/34/90/90 | 0/3/3/3 |
| 30 | CLA | A | 805 | 1,30 | 1/1/13/20 | 9/30/108/115 | - |
| 33 | BCR | B | 845 | - | - | 11/29/63/63 | 0/2/2/2 |
| 30 | CLA | A | 802 | 40 | 1/1/15/20 | 7/37/115/115 | - |
| 33 | BCR | A | 847 | - | - | 10/29/63/63 | 0/2/2/2 |
| 38 | KC1 | 2 | 306 | 14 | - | 5/15/71/71 | - |
| 35 | LMT | 7 | 321 | - | - | 4/21/61/61 | 0/2/2/2 |

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| Mol | Type | Chain | Res | Link | Chirals | Torsions | Rings |
|-----|------|-------|-----|------|-----------|---------------|---------|
| 30 | CLA | 12 | 303 | 24 | 1/1/15/20 | 6/37/115/115 | - |
| 33 | BCR | M | 101 | - | - | 10/29/63/63 | 0/2/2/2 |
| 30 | CLA | B | 809 | 2 | 1/1/15/20 | 10/37/115/115 | - |
| 33 | BCR | A | 848 | - | - | 10/29/63/63 | 0/2/2/2 |
| 38 | KC1 | 9 | 310 | 21 | - | 6/15/71/71 | - |
| 39 | DD6 | 12 | 317 | - | - | 13/26/80/80 | 0/3/3/3 |
| 30 | CLA | A | 803 | - | 1/1/15/20 | 7/37/115/115 | - |
| 37 | A86 | 4 | 317 | - | - | 5/34/90/90 | 0/3/3/3 |
| 37 | A86 | 7 | 319 | - | - | 10/34/90/90 | 0/3/3/3 |
| 30 | CLA | 11 | 306 | 40 | 1/1/13/20 | 8/25/103/115 | - |
| 30 | CLA | A | 827 | 40 | 1/1/15/20 | 3/37/115/115 | - |
| 30 | CLA | 11 | 304 | 23 | 1/1/15/20 | 9/37/115/115 | - |
| 39 | DD6 | 15 | 318 | - | - | 13/26/80/80 | 0/3/3/3 |
| 36 | LMG | 7 | 320 | - | - | 14/32/52/70 | 0/1/1/1 |
| 39 | DD6 | 6 | 303 | 30 | - | 10/26/80/80 | 0/3/3/3 |
| 38 | KC1 | 5 | 312 | 17 | - | 6/15/71/71 | - |
| 37 | A86 | 1 | 309 | - | - | 7/34/90/90 | 0/3/3/3 |
| 30 | CLA | 12 | 302 | 24 | - | 13/37/115/115 | - |
| 37 | A86 | 15 | 316 | 30 | - | 13/34/90/90 | 0/3/3/3 |
| 30 | CLA | 15 | 310 | 27 | 1/1/11/20 | 6/13/91/115 | - |
| 39 | DD6 | 7 | 317 | - | - | 10/26/80/80 | 0/3/3/3 |

All (6801) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 15 | 322 | A86 | C14-C13 | 16.41 | 1.69 | 1.51 |
| 37 | 15 | 315 | A86 | C14-C13 | 16.01 | 1.69 | 1.51 |
| 37 | 9 | 313 | A86 | C14-C13 | 15.74 | 1.68 | 1.51 |
| 37 | 16 | 314 | A86 | C14-C13 | 15.70 | 1.68 | 1.51 |
| 37 | 10 | 317 | A86 | C14-C13 | 15.54 | 1.68 | 1.51 |
| 37 | 2u | 205 | A86 | C14-C13 | 15.53 | 1.68 | 1.51 |
| 37 | 15 | 320 | A86 | C14-C13 | 15.52 | 1.68 | 1.51 |
| 37 | 15 | 321 | A86 | C14-C13 | 15.45 | 1.68 | 1.51 |
| 37 | 9 | 316 | A86 | C14-C13 | 15.34 | 1.68 | 1.51 |
| 37 | 14 | 320 | A86 | C14-C13 | 15.32 | 1.68 | 1.51 |
| 37 | 13 | 315 | A86 | C14-C13 | 15.27 | 1.68 | 1.51 |
| 37 | 5 | 301 | A86 | C14-C13 | 15.24 | 1.68 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 7 | 319 | A86 | C14-C13 | 15.22 | 1.68 | 1.51 |
| 37 | 4 | 317 | A86 | C14-C13 | 15.22 | 1.68 | 1.51 |
| 37 | 14 | 301 | A86 | C14-C13 | 15.20 | 1.68 | 1.51 |
| 37 | 3 | 315 | A86 | C14-C13 | 15.19 | 1.68 | 1.51 |
| 37 | 2 | 318 | A86 | C14-C13 | 15.18 | 1.68 | 1.51 |
| 37 | 15 | 316 | A86 | C14-C13 | 15.15 | 1.68 | 1.51 |
| 37 | 5 | 315 | A86 | C14-C13 | 15.15 | 1.68 | 1.51 |
| 37 | 11 | 315 | A86 | C14-C13 | 15.14 | 1.68 | 1.51 |
| 37 | 11 | 314 | A86 | C14-C13 | 15.10 | 1.68 | 1.51 |
| 37 | 5 | 316 | A86 | C14-C13 | 15.10 | 1.68 | 1.51 |
| 37 | 4 | 315 | A86 | C14-C13 | 15.08 | 1.68 | 1.51 |
| 39 | 2 | 315 | DD6 | C10-C11 | 15.07 | 1.70 | 1.35 |
| 37 | 9 | 315 | A86 | C14-C13 | 15.03 | 1.68 | 1.51 |
| 37 | 14 | 318 | A86 | C14-C13 | 15.01 | 1.68 | 1.51 |
| 37 | 10 | 315 | A86 | C14-C13 | 14.99 | 1.68 | 1.51 |
| 37 | 8 | 318 | A86 | C14-C13 | 14.98 | 1.67 | 1.51 |
| 37 | 15 | 323 | A86 | C14-C13 | 14.96 | 1.67 | 1.51 |
| 37 | 14 | 316 | A86 | C14-C13 | 14.96 | 1.67 | 1.51 |
| 37 | 15 | 317 | A86 | C14-C13 | 14.96 | 1.67 | 1.51 |
| 37 | 2 | 319 | A86 | C14-C13 | 14.91 | 1.67 | 1.51 |
| 37 | 2 | 302 | A86 | C14-C13 | 14.90 | 1.67 | 1.51 |
| 39 | 11 | 313 | DD6 | C10-C11 | 14.88 | 1.70 | 1.35 |
| 37 | 14 | 315 | A86 | C14-C13 | 14.88 | 1.67 | 1.51 |
| 39 | 6 | 303 | DD6 | C10-C11 | 14.86 | 1.70 | 1.35 |
| 37 | 12 | 316 | A86 | C14-C13 | 14.85 | 1.67 | 1.51 |
| 37 | 14 | 317 | A86 | C14-C13 | 14.84 | 1.67 | 1.51 |
| 37 | 16 | 312 | A86 | C14-C13 | 14.83 | 1.67 | 1.51 |
| 37 | 12 | 314 | A86 | C14-C13 | 14.82 | 1.67 | 1.51 |
| 39 | 15 | 318 | DD6 | C10-C11 | 14.80 | 1.70 | 1.35 |
| 39 | 10 | 313 | DD6 | C10-C11 | 14.80 | 1.70 | 1.35 |
| 37 | 11 | 316 | A86 | C14-C13 | 14.78 | 1.67 | 1.51 |
| 39 | 3 | 313 | DD6 | C10-C11 | 14.78 | 1.70 | 1.35 |
| 39 | 13 | 314 | DD6 | C10-C11 | 14.75 | 1.69 | 1.35 |
| 37 | 13 | 313 | A86 | C14-C13 | 14.75 | 1.67 | 1.51 |
| 37 | 14 | 319 | A86 | C14-C13 | 14.75 | 1.67 | 1.51 |
| 39 | 15 | 319 | DD6 | C10-C11 | 14.74 | 1.69 | 1.35 |
| 37 | 10 | 301 | A86 | C14-C13 | 14.72 | 1.67 | 1.51 |
| 39 | 10 | 314 | DD6 | C10-C11 | 14.72 | 1.69 | 1.35 |
| 39 | 5 | 313 | DD6 | C10-C11 | 14.71 | 1.69 | 1.35 |
| 37 | 4 | 314 | A86 | C14-C13 | 14.71 | 1.67 | 1.51 |
| 37 | 10 | 316 | A86 | C14-C13 | 14.71 | 1.67 | 1.51 |
| 37 | 14 | 314 | A86 | C14-C13 | 14.71 | 1.67 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 7 | 318 | DD6 | C10-C11 | 14.70 | 1.69 | 1.35 |
| 37 | 3 | 314 | A86 | C14-C13 | 14.69 | 1.67 | 1.51 |
| 39 | 2 | 317 | DD6 | C10-C11 | 14.69 | 1.69 | 1.35 |
| 39 | 7 | 302 | DD6 | C10-C11 | 14.64 | 1.69 | 1.35 |
| 39 | 3 | 316 | DD6 | C10-C11 | 14.61 | 1.69 | 1.35 |
| 39 | 12 | 315 | DD6 | C10-C11 | 14.61 | 1.69 | 1.35 |
| 39 | 3 | 312 | DD6 | C10-C11 | 14.61 | 1.69 | 1.35 |
| 39 | 1 | 310 | DD6 | C10-C11 | 14.59 | 1.69 | 1.35 |
| 39 | 4 | 313 | DD6 | C10-C11 | 14.59 | 1.69 | 1.35 |
| 39 | 12 | 317 | DD6 | C10-C11 | 14.58 | 1.69 | 1.35 |
| 39 | 16 | 313 | DD6 | C10-C11 | 14.57 | 1.69 | 1.35 |
| 39 | 7 | 317 | DD6 | C10-C11 | 14.55 | 1.69 | 1.35 |
| 37 | 10 | 302 | A86 | C14-C13 | 14.54 | 1.67 | 1.51 |
| 37 | 4 | 312 | A86 | C14-C13 | 14.45 | 1.67 | 1.51 |
| 37 | 2u | 203 | A86 | C14-C13 | 14.44 | 1.67 | 1.51 |
| 39 | 6 | 318 | DD6 | C10-C11 | 14.39 | 1.69 | 1.35 |
| 39 | 8 | 317 | DD6 | C10-C11 | 14.39 | 1.69 | 1.35 |
| 39 | 7 | 314 | DD6 | C10-C11 | 14.38 | 1.69 | 1.35 |
| 39 | 4 | 316 | DD6 | C10-C11 | 14.37 | 1.69 | 1.35 |
| 37 | 7 | 315 | A86 | C14-C13 | 14.36 | 1.67 | 1.51 |
| 39 | 6 | 319 | DD6 | C10-C11 | 14.36 | 1.69 | 1.35 |
| 37 | 1 | 309 | A86 | C14-C13 | 14.35 | 1.67 | 1.51 |
| 39 | 5 | 314 | DD6 | C10-C11 | 14.34 | 1.69 | 1.35 |
| 39 | 9 | 314 | DD6 | C10-C11 | 14.33 | 1.68 | 1.35 |
| 37 | 11 | 301 | A86 | C14-C13 | 14.31 | 1.67 | 1.51 |
| 37 | 7 | 316 | A86 | C14-C13 | 14.30 | 1.67 | 1.51 |
| 39 | 6 | 321 | DD6 | C10-C11 | 14.27 | 1.68 | 1.35 |
| 39 | 2 | 316 | DD6 | C10-C11 | 14.25 | 1.68 | 1.35 |
| 39 | 8 | 316 | DD6 | C10-C11 | 14.20 | 1.68 | 1.35 |
| 37 | 6 | 320 | A86 | C14-C13 | 14.10 | 1.67 | 1.51 |
| 39 | 4 | 316 | DD6 | C36-C31 | 14.09 | 1.50 | 1.35 |
| 39 | 15 | 319 | DD6 | C36-C31 | 14.08 | 1.50 | 1.35 |
| 39 | 3 | 316 | DD6 | C36-C31 | 13.87 | 1.50 | 1.35 |
| 37 | 8 | 315 | A86 | C14-C13 | 13.78 | 1.66 | 1.51 |
| 39 | 7 | 302 | DD6 | C36-C31 | 13.74 | 1.50 | 1.35 |
| 39 | 1 | 310 | DD6 | C36-C31 | 13.71 | 1.50 | 1.35 |
| 39 | 6 | 321 | DD6 | C36-C31 | 13.70 | 1.50 | 1.35 |
| 39 | 8 | 317 | DD6 | C36-C31 | 13.68 | 1.50 | 1.35 |
| 39 | 5 | 313 | DD6 | C36-C31 | 13.66 | 1.50 | 1.35 |
| 39 | 13 | 314 | DD6 | C36-C31 | 13.63 | 1.50 | 1.35 |
| 39 | 6 | 319 | DD6 | C36-C31 | 13.63 | 1.50 | 1.35 |
| 39 | 7 | 317 | DD6 | C36-C31 | 13.60 | 1.50 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 2 | 316 | DD6 | C36-C31 | 13.57 | 1.50 | 1.35 |
| 39 | 10 | 313 | DD6 | C36-C31 | 13.54 | 1.50 | 1.35 |
| 39 | 9 | 314 | DD6 | C36-C31 | 13.52 | 1.50 | 1.35 |
| 39 | 12 | 315 | DD6 | C36-C31 | 13.49 | 1.49 | 1.35 |
| 39 | 16 | 313 | DD6 | C36-C31 | 13.48 | 1.49 | 1.35 |
| 39 | 10 | 314 | DD6 | C36-C31 | 13.47 | 1.49 | 1.35 |
| 39 | 11 | 313 | DD6 | C36-C31 | 13.39 | 1.49 | 1.35 |
| 39 | 3 | 312 | DD6 | C36-C31 | 13.38 | 1.49 | 1.35 |
| 39 | 15 | 318 | DD6 | C36-C31 | 13.34 | 1.49 | 1.35 |
| 39 | 7 | 318 | DD6 | C36-C31 | 13.32 | 1.49 | 1.35 |
| 39 | 3 | 313 | DD6 | C36-C31 | 13.30 | 1.49 | 1.35 |
| 39 | 2 | 317 | DD6 | C36-C31 | 13.25 | 1.49 | 1.35 |
| 39 | 4 | 313 | DD6 | C36-C31 | 13.25 | 1.49 | 1.35 |
| 39 | 8 | 316 | DD6 | C36-C31 | 13.22 | 1.49 | 1.35 |
| 39 | 6 | 303 | DD6 | C36-C31 | 13.19 | 1.49 | 1.35 |
| 39 | 2 | 315 | DD6 | C36-C31 | 13.19 | 1.49 | 1.35 |
| 39 | 7 | 314 | DD6 | C36-C31 | 13.14 | 1.49 | 1.35 |
| 39 | 5 | 314 | DD6 | C36-C31 | 13.09 | 1.49 | 1.35 |
| 39 | 6 | 318 | DD6 | C36-C31 | 12.99 | 1.49 | 1.35 |
| 39 | 12 | 317 | DD6 | C36-C31 | 12.97 | 1.49 | 1.35 |
| 37 | 13 | 313 | A86 | C30-C31 | 12.22 | 1.44 | 1.30 |
| 37 | 15 | 320 | A86 | C30-C31 | 12.06 | 1.44 | 1.30 |
| 37 | 9 | 316 | A86 | C30-C31 | 11.97 | 1.44 | 1.30 |
| 37 | 15 | 323 | A86 | C30-C31 | 11.94 | 1.44 | 1.30 |
| 37 | 15 | 317 | A86 | C30-C31 | 11.93 | 1.44 | 1.30 |
| 37 | 10 | 317 | A86 | C30-C31 | 11.88 | 1.44 | 1.30 |
| 37 | 15 | 322 | A86 | C30-C31 | 11.83 | 1.44 | 1.30 |
| 37 | 15 | 315 | A86 | C30-C31 | 11.83 | 1.44 | 1.30 |
| 37 | 9 | 315 | A86 | C30-C31 | 11.78 | 1.44 | 1.30 |
| 37 | 3 | 315 | A86 | C30-C31 | 11.77 | 1.44 | 1.30 |
| 39 | 15 | 319 | DD6 | C28-C27 | 11.77 | 1.58 | 1.50 |
| 37 | 2 | 302 | A86 | C30-C31 | 11.74 | 1.44 | 1.30 |
| 37 | 14 | 320 | A86 | C30-C31 | 11.68 | 1.44 | 1.30 |
| 39 | 4 | 316 | DD6 | C28-C27 | 11.61 | 1.58 | 1.50 |
| 39 | 16 | 313 | DD6 | C28-C27 | 11.57 | 1.58 | 1.50 |
| 37 | 10 | 302 | A86 | C30-C31 | 11.57 | 1.44 | 1.30 |
| 37 | 3 | 314 | A86 | C30-C31 | 11.56 | 1.44 | 1.30 |
| 37 | 16 | 312 | A86 | C30-C31 | 11.54 | 1.44 | 1.30 |
| 37 | 13 | 315 | A86 | C30-C31 | 11.53 | 1.44 | 1.30 |
| 37 | 7 | 319 | A86 | C30-C31 | 11.53 | 1.44 | 1.30 |
| 37 | 14 | 317 | A86 | C30-C31 | 11.52 | 1.44 | 1.30 |
| 39 | 15 | 318 | DD6 | C28-C27 | 11.51 | 1.58 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 301 | A86 | C30-C31 | 11.47 | 1.44 | 1.30 |
| 37 | 6 | 320 | A86 | C30-C31 | 11.45 | 1.44 | 1.30 |
| 37 | 11 | 301 | A86 | C30-C31 | 11.45 | 1.43 | 1.30 |
| 37 | 10 | 315 | A86 | C30-C31 | 11.44 | 1.43 | 1.30 |
| 37 | 5 | 316 | A86 | C30-C31 | 11.43 | 1.43 | 1.30 |
| 39 | 2 | 315 | DD6 | C28-C27 | 11.40 | 1.58 | 1.50 |
| 37 | 14 | 318 | A86 | C30-C31 | 11.38 | 1.43 | 1.30 |
| 39 | 9 | 314 | DD6 | C28-C27 | 11.38 | 1.58 | 1.50 |
| 37 | 11 | 316 | A86 | C30-C31 | 11.35 | 1.43 | 1.30 |
| 37 | 5 | 301 | A86 | C30-C31 | 11.35 | 1.43 | 1.30 |
| 37 | 14 | 316 | A86 | C30-C31 | 11.35 | 1.43 | 1.30 |
| 37 | 12 | 316 | A86 | C30-C31 | 11.34 | 1.43 | 1.30 |
| 37 | 14 | 314 | A86 | C30-C31 | 11.34 | 1.43 | 1.30 |
| 39 | 3 | 312 | DD6 | C28-C27 | 11.33 | 1.58 | 1.50 |
| 37 | 4 | 317 | A86 | C30-C31 | 11.32 | 1.43 | 1.30 |
| 37 | 4 | 314 | A86 | C30-C31 | 11.29 | 1.43 | 1.30 |
| 37 | 15 | 316 | A86 | C30-C31 | 11.28 | 1.43 | 1.30 |
| 39 | 3 | 313 | DD6 | C28-C27 | 11.26 | 1.58 | 1.50 |
| 37 | 4 | 315 | A86 | C30-C31 | 11.26 | 1.43 | 1.30 |
| 37 | 15 | 321 | A86 | C30-C31 | 11.26 | 1.43 | 1.30 |
| 39 | 13 | 314 | DD6 | C28-C27 | 11.24 | 1.58 | 1.50 |
| 37 | 5 | 315 | A86 | C30-C31 | 11.23 | 1.43 | 1.30 |
| 37 | 11 | 314 | A86 | C30-C31 | 11.23 | 1.43 | 1.30 |
| 37 | 2u | 205 | A86 | C30-C31 | 11.22 | 1.43 | 1.30 |
| 39 | 5 | 313 | DD6 | C28-C27 | 11.15 | 1.58 | 1.50 |
| 37 | 14 | 319 | A86 | C30-C31 | 11.12 | 1.43 | 1.30 |
| 37 | 12 | 314 | A86 | C30-C31 | 11.09 | 1.43 | 1.30 |
| 37 | 16 | 314 | A86 | C30-C31 | 11.07 | 1.43 | 1.30 |
| 37 | 11 | 315 | A86 | C30-C31 | 11.06 | 1.43 | 1.30 |
| 37 | 2 | 318 | A86 | C30-C31 | 11.06 | 1.43 | 1.30 |
| 39 | 6 | 303 | DD6 | C28-C27 | 11.06 | 1.58 | 1.50 |
| 39 | 1 | 310 | DD6 | C28-C27 | 11.05 | 1.58 | 1.50 |
| 39 | 8 | 316 | DD6 | C28-C27 | 11.03 | 1.58 | 1.50 |
| 39 | 10 | 313 | DD6 | C28-C27 | 11.03 | 1.58 | 1.50 |
| 39 | 3 | 316 | DD6 | C28-C27 | 11.02 | 1.58 | 1.50 |
| 37 | 10 | 316 | A86 | C30-C31 | 10.98 | 1.43 | 1.30 |
| 37 | 1 | 309 | A86 | C30-C31 | 10.96 | 1.43 | 1.30 |
| 37 | 4 | 312 | A86 | C30-C31 | 10.94 | 1.43 | 1.30 |
| 39 | 6 | 321 | DD6 | C28-C27 | 10.88 | 1.58 | 1.50 |
| 39 | 8 | 317 | DD6 | C28-C27 | 10.86 | 1.58 | 1.50 |
| 37 | 14 | 315 | A86 | C30-C31 | 10.81 | 1.43 | 1.30 |
| 39 | 2 | 317 | DD6 | C28-C27 | 10.81 | 1.58 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 4 | 313 | DD6 | C28-C27 | 10.80 | 1.58 | 1.50 |
| 39 | 12 | 315 | DD6 | C28-C27 | 10.80 | 1.58 | 1.50 |
| 39 | 5 | 314 | DD6 | C28-C27 | 10.79 | 1.58 | 1.50 |
| 37 | 8 | 318 | A86 | C30-C31 | 10.78 | 1.43 | 1.30 |
| 39 | 2 | 316 | DD6 | C28-C27 | 10.75 | 1.58 | 1.50 |
| 39 | 11 | 313 | DD6 | C28-C27 | 10.72 | 1.58 | 1.50 |
| 39 | 6 | 319 | DD6 | C28-C27 | 10.70 | 1.58 | 1.50 |
| 37 | 2u | 203 | A86 | C30-C31 | 10.67 | 1.43 | 1.30 |
| 37 | 10 | 301 | A86 | C30-C31 | 10.66 | 1.43 | 1.30 |
| 39 | 10 | 314 | DD6 | C28-C27 | 10.64 | 1.57 | 1.50 |
| 37 | 8 | 315 | A86 | C30-C31 | 10.64 | 1.43 | 1.30 |
| 39 | 6 | 318 | DD6 | C28-C27 | 10.62 | 1.57 | 1.50 |
| 37 | 9 | 313 | A86 | C30-C31 | 10.45 | 1.42 | 1.30 |
| 39 | 6 | 319 | DD6 | C5-C6 | 10.40 | 1.59 | 1.35 |
| 39 | 4 | 313 | DD6 | C5-C6 | 10.32 | 1.59 | 1.35 |
| 39 | 12 | 317 | DD6 | C28-C27 | 10.23 | 1.57 | 1.50 |
| 39 | 13 | 314 | DD6 | C5-C6 | 10.21 | 1.59 | 1.35 |
| 39 | 2 | 316 | DD6 | C5-C6 | 10.20 | 1.59 | 1.35 |
| 37 | 7 | 316 | A86 | C30-C31 | 10.19 | 1.42 | 1.30 |
| 37 | 2 | 319 | A86 | C30-C31 | 10.17 | 1.42 | 1.30 |
| 39 | 7 | 314 | DD6 | C28-C27 | 10.15 | 1.57 | 1.50 |
| 39 | 7 | 317 | DD6 | C28-C27 | 10.14 | 1.57 | 1.50 |
| 39 | 7 | 317 | DD6 | C5-C6 | 10.12 | 1.59 | 1.35 |
| 39 | 16 | 313 | DD6 | C5-C6 | 10.12 | 1.59 | 1.35 |
| 39 | 3 | 316 | DD6 | C5-C6 | 10.06 | 1.59 | 1.35 |
| 39 | 2 | 317 | DD6 | C5-C6 | 10.06 | 1.59 | 1.35 |
| 39 | 10 | 314 | DD6 | C5-C6 | 10.06 | 1.59 | 1.35 |
| 39 | 3 | 313 | DD6 | C5-C6 | 10.04 | 1.59 | 1.35 |
| 39 | 5 | 313 | DD6 | C5-C6 | 10.04 | 1.59 | 1.35 |
| 39 | 11 | 313 | DD6 | C5-C6 | 10.02 | 1.59 | 1.35 |
| 37 | 7 | 315 | A86 | C30-C31 | 10.01 | 1.42 | 1.30 |
| 39 | 6 | 318 | DD6 | C5-C6 | 10.01 | 1.58 | 1.35 |
| 39 | 10 | 313 | DD6 | C5-C6 | 10.00 | 1.58 | 1.35 |
| 39 | 12 | 317 | DD6 | C5-C6 | 9.98 | 1.58 | 1.35 |
| 39 | 9 | 314 | DD6 | C5-C6 | 9.98 | 1.58 | 1.35 |
| 39 | 6 | 303 | DD6 | C5-C6 | 9.97 | 1.58 | 1.35 |
| 39 | 8 | 316 | DD6 | C5-C6 | 9.97 | 1.58 | 1.35 |
| 39 | 3 | 312 | DD6 | C5-C6 | 9.96 | 1.58 | 1.35 |
| 39 | 7 | 302 | DD6 | C5-C6 | 9.96 | 1.58 | 1.35 |
| 39 | 7 | 314 | DD6 | C5-C6 | 9.95 | 1.58 | 1.35 |
| 39 | 15 | 319 | DD6 | C5-C6 | 9.92 | 1.58 | 1.35 |
| 39 | 7 | 318 | DD6 | C5-C6 | 9.90 | 1.58 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 39 | 12 | 315 | DD6 | C5-C6 | 9.89 | 1.58 | 1.35 |
| 39 | 15 | 318 | DD6 | C5-C6 | 9.86 | 1.58 | 1.35 |
| 39 | 2 | 315 | DD6 | C5-C6 | 9.86 | 1.58 | 1.35 |
| 39 | 6 | 321 | DD6 | C5-C6 | 9.86 | 1.58 | 1.35 |
| 39 | 1 | 310 | DD6 | C5-C6 | 9.84 | 1.58 | 1.35 |
| 39 | 4 | 316 | DD6 | C5-C6 | 9.84 | 1.58 | 1.35 |
| 39 | 8 | 317 | DD6 | C5-C6 | 9.84 | 1.58 | 1.35 |
| 37 | 13 | 313 | A86 | C30-C29 | 9.75 | 1.47 | 1.31 |
| 39 | 7 | 302 | DD6 | C28-C27 | 9.73 | 1.57 | 1.50 |
| 39 | 5 | 314 | DD6 | C5-C6 | 9.72 | 1.58 | 1.35 |
| 39 | 7 | 318 | DD6 | C28-C27 | 9.71 | 1.57 | 1.50 |
| 37 | 9 | 316 | A86 | C30-C29 | 9.66 | 1.47 | 1.31 |
| 37 | 15 | 317 | A86 | C30-C29 | 9.59 | 1.47 | 1.31 |
| 37 | 10 | 317 | A86 | C30-C29 | 9.56 | 1.47 | 1.31 |
| 37 | 15 | 322 | A86 | C30-C29 | 9.56 | 1.47 | 1.31 |
| 37 | 9 | 315 | A86 | C30-C29 | 9.56 | 1.47 | 1.31 |
| 37 | 15 | 320 | A86 | C30-C29 | 9.55 | 1.47 | 1.31 |
| 37 | 15 | 323 | A86 | C30-C29 | 9.51 | 1.47 | 1.31 |
| 37 | 13 | 315 | A86 | C30-C29 | 9.44 | 1.47 | 1.31 |
| 37 | 3 | 314 | A86 | C30-C29 | 9.43 | 1.47 | 1.31 |
| 37 | 7 | 319 | A86 | C30-C29 | 9.39 | 1.47 | 1.31 |
| 37 | 3 | 315 | A86 | C30-C29 | 9.38 | 1.47 | 1.31 |
| 37 | 2 | 302 | A86 | C30-C29 | 9.37 | 1.47 | 1.31 |
| 37 | 15 | 315 | A86 | C30-C29 | 9.35 | 1.47 | 1.31 |
| 37 | 14 | 320 | A86 | C30-C29 | 9.35 | 1.47 | 1.31 |
| 37 | 14 | 317 | A86 | C30-C29 | 9.34 | 1.47 | 1.31 |
| 37 | 14 | 316 | A86 | C30-C29 | 9.32 | 1.47 | 1.31 |
| 37 | 14 | 301 | A86 | C30-C29 | 9.30 | 1.47 | 1.31 |
| 37 | 10 | 315 | A86 | C30-C29 | 9.29 | 1.47 | 1.31 |
| 37 | 14 | 318 | A86 | C30-C29 | 9.28 | 1.47 | 1.31 |
| 37 | 16 | 312 | A86 | C30-C29 | 9.26 | 1.46 | 1.31 |
| 37 | 4 | 317 | A86 | C30-C29 | 9.24 | 1.46 | 1.31 |
| 37 | 10 | 302 | A86 | C30-C29 | 9.23 | 1.46 | 1.31 |
| 37 | 5 | 301 | A86 | C30-C29 | 9.21 | 1.46 | 1.31 |
| 37 | 12 | 316 | A86 | C30-C29 | 9.20 | 1.46 | 1.31 |
| 37 | 4 | 315 | A86 | C30-C29 | 9.18 | 1.46 | 1.31 |
| 37 | 6 | 320 | A86 | C30-C29 | 9.17 | 1.46 | 1.31 |
| 37 | 14 | 314 | A86 | C30-C29 | 9.17 | 1.46 | 1.31 |
| 37 | 11 | 314 | A86 | C30-C29 | 9.16 | 1.46 | 1.31 |
| 37 | 11 | 316 | A86 | C30-C29 | 9.15 | 1.46 | 1.31 |
| 37 | 4 | 314 | A86 | C30-C29 | 9.15 | 1.46 | 1.31 |
| 37 | 15 | 316 | A86 | C30-C29 | 9.13 | 1.46 | 1.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 5 | 315 | A86 | C30-C29 | 9.11 | 1.46 | 1.31 |
| 37 | 15 | 321 | A86 | C30-C29 | 9.11 | 1.46 | 1.31 |
| 39 | 15 | 319 | DD6 | C23-C16 | 9.11 | 1.71 | 1.53 |
| 37 | 5 | 316 | A86 | C30-C29 | 9.11 | 1.46 | 1.31 |
| 37 | 11 | 301 | A86 | C30-C29 | 9.10 | 1.46 | 1.31 |
| 39 | 2 | 317 | DD6 | C23-C16 | 9.06 | 1.71 | 1.53 |
| 37 | 12 | 314 | A86 | C30-C29 | 9.03 | 1.46 | 1.31 |
| 37 | 16 | 314 | A86 | C30-C29 | 9.02 | 1.46 | 1.31 |
| 39 | 12 | 315 | DD6 | C23-C16 | 9.00 | 1.71 | 1.53 |
| 37 | 14 | 319 | A86 | C30-C29 | 9.00 | 1.46 | 1.31 |
| 37 | 11 | 315 | A86 | C30-C29 | 8.99 | 1.46 | 1.31 |
| 37 | 10 | 316 | A86 | C30-C29 | 8.95 | 1.46 | 1.31 |
| 37 | 2 | 318 | A86 | C30-C29 | 8.94 | 1.46 | 1.31 |
| 39 | 10 | 313 | DD6 | C23-C16 | 8.94 | 1.70 | 1.53 |
| 37 | 2u | 205 | A86 | C30-C29 | 8.92 | 1.46 | 1.31 |
| 37 | 1 | 309 | A86 | C30-C29 | 8.88 | 1.46 | 1.31 |
| 39 | 6 | 321 | DD6 | C13-C11 | -8.84 | 1.27 | 1.46 |
| 37 | 8 | 318 | A86 | C30-C29 | 8.83 | 1.46 | 1.31 |
| 39 | 1 | 310 | DD6 | C23-C16 | 8.82 | 1.70 | 1.53 |
| 39 | 15 | 318 | DD6 | C23-C16 | 8.82 | 1.70 | 1.53 |
| 39 | 3 | 312 | DD6 | C23-C16 | 8.81 | 1.70 | 1.53 |
| 37 | 10 | 301 | A86 | C30-C29 | 8.81 | 1.46 | 1.31 |
| 37 | 4 | 312 | A86 | C30-C29 | 8.79 | 1.46 | 1.31 |
| 37 | 14 | 315 | A86 | C30-C29 | 8.79 | 1.46 | 1.31 |
| 39 | 5 | 314 | DD6 | C13-C11 | -8.72 | 1.27 | 1.46 |
| 39 | 6 | 303 | DD6 | C23-C16 | 8.70 | 1.70 | 1.53 |
| 37 | 2u | 203 | A86 | C30-C29 | 8.68 | 1.46 | 1.31 |
| 39 | 5 | 314 | DD6 | C23-C16 | 8.68 | 1.70 | 1.53 |
| 37 | 9 | 313 | A86 | C30-C29 | 8.64 | 1.45 | 1.31 |
| 39 | 5 | 313 | DD6 | C23-C16 | 8.64 | 1.70 | 1.53 |
| 39 | 3 | 316 | DD6 | C23-C16 | 8.62 | 1.70 | 1.53 |
| 39 | 5 | 313 | DD6 | C13-C11 | -8.62 | 1.27 | 1.46 |
| 39 | 3 | 313 | DD6 | C23-C16 | 8.61 | 1.70 | 1.53 |
| 39 | 2 | 315 | DD6 | C23-C16 | 8.58 | 1.70 | 1.53 |
| 39 | 1 | 310 | DD6 | C13-C11 | -8.57 | 1.27 | 1.46 |
| 39 | 2 | 317 | DD6 | C13-C11 | -8.57 | 1.27 | 1.46 |
| 39 | 9 | 314 | DD6 | C23-C16 | 8.56 | 1.70 | 1.53 |
| 39 | 4 | 316 | DD6 | C23-C16 | 8.55 | 1.70 | 1.53 |
| 39 | 8 | 317 | DD6 | C13-C11 | -8.52 | 1.27 | 1.46 |
| 37 | 8 | 315 | A86 | C30-C29 | 8.52 | 1.45 | 1.31 |
| 39 | 3 | 312 | DD6 | C13-C11 | -8.50 | 1.27 | 1.46 |
| 39 | 6 | 318 | DD6 | C23-C16 | 8.49 | 1.70 | 1.53 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 11 | 313 | DD6 | C23-C16 | 8.48 | 1.70 | 1.53 |
| 39 | 6 | 318 | DD6 | C13-C11 | -8.48 | 1.27 | 1.46 |
| 39 | 10 | 314 | DD6 | C13-C11 | -8.48 | 1.27 | 1.46 |
| 39 | 7 | 318 | DD6 | C13-C11 | -8.47 | 1.27 | 1.46 |
| 39 | 8 | 317 | DD6 | C23-C16 | 8.46 | 1.69 | 1.53 |
| 39 | 15 | 319 | DD6 | C13-C11 | -8.46 | 1.27 | 1.46 |
| 39 | 7 | 317 | DD6 | C13-C11 | -8.45 | 1.27 | 1.46 |
| 39 | 7 | 318 | DD6 | C23-C16 | 8.44 | 1.69 | 1.53 |
| 30 | 2 | 303 | CLA | OBD-CAD | 8.44 | 1.37 | 1.22 |
| 39 | 7 | 314 | DD6 | C23-C16 | 8.44 | 1.69 | 1.53 |
| 39 | 13 | 314 | DD6 | C23-C16 | 8.43 | 1.69 | 1.53 |
| 39 | 9 | 314 | DD6 | C13-C11 | -8.43 | 1.27 | 1.46 |
| 37 | 2 | 319 | A86 | C30-C29 | 8.42 | 1.45 | 1.31 |
| 39 | 16 | 313 | DD6 | C13-C11 | -8.42 | 1.27 | 1.46 |
| 39 | 12 | 317 | DD6 | C13-C11 | -8.42 | 1.27 | 1.46 |
| 37 | 7 | 316 | A86 | C30-C29 | 8.41 | 1.45 | 1.31 |
| 39 | 4 | 313 | DD6 | C23-C16 | 8.40 | 1.69 | 1.53 |
| 39 | 6 | 303 | DD6 | C13-C11 | -8.40 | 1.28 | 1.46 |
| 39 | 12 | 315 | DD6 | C13-C11 | -8.39 | 1.28 | 1.46 |
| 39 | 7 | 317 | DD6 | C23-C16 | 8.38 | 1.69 | 1.53 |
| 39 | 4 | 313 | DD6 | C13-C11 | -8.38 | 1.28 | 1.46 |
| 39 | 2 | 316 | DD6 | C23-C16 | 8.37 | 1.69 | 1.53 |
| 37 | 7 | 315 | A86 | C30-C29 | 8.35 | 1.45 | 1.31 |
| 39 | 11 | 313 | DD6 | C19-C20 | 8.35 | 1.63 | 1.52 |
| 39 | 15 | 318 | DD6 | C13-C11 | -8.33 | 1.28 | 1.46 |
| 39 | 4 | 316 | DD6 | C13-C11 | -8.28 | 1.28 | 1.46 |
| 39 | 12 | 317 | DD6 | C19-C20 | 8.25 | 1.63 | 1.52 |
| 39 | 6 | 321 | DD6 | C23-C16 | 8.25 | 1.69 | 1.53 |
| 39 | 12 | 317 | DD6 | C23-C16 | 8.24 | 1.69 | 1.53 |
| 39 | 8 | 316 | DD6 | C23-C16 | 8.20 | 1.69 | 1.53 |
| 39 | 3 | 316 | DD6 | C13-C11 | -8.19 | 1.28 | 1.46 |
| 39 | 10 | 313 | DD6 | C13-C11 | -8.19 | 1.28 | 1.46 |
| 39 | 10 | 314 | DD6 | C23-C16 | 8.17 | 1.69 | 1.53 |
| 39 | 10 | 313 | DD6 | C19-C20 | 8.13 | 1.63 | 1.52 |
| 39 | 11 | 313 | DD6 | C13-C11 | -8.13 | 1.28 | 1.46 |
| 39 | 6 | 303 | DD6 | C19-C20 | 8.13 | 1.63 | 1.52 |
| 39 | 2 | 316 | DD6 | C13-C11 | -8.11 | 1.28 | 1.46 |
| 39 | 7 | 302 | DD6 | C23-C16 | 8.06 | 1.69 | 1.53 |
| 39 | 7 | 302 | DD6 | C19-C20 | 8.05 | 1.63 | 1.52 |
| 39 | 6 | 318 | DD6 | C19-C20 | 8.04 | 1.63 | 1.52 |
| 39 | 3 | 313 | DD6 | C13-C11 | -8.04 | 1.28 | 1.46 |
| 39 | 7 | 314 | DD6 | C13-C11 | -8.04 | 1.28 | 1.46 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 6 | 319 | DD6 | C19-C20 | 8.04 | 1.63 | 1.52 |
| 39 | 13 | 314 | DD6 | C19-C20 | 8.04 | 1.63 | 1.52 |
| 37 | 2u | 205 | A86 | C8-C6 | 8.02 | 1.63 | 1.46 |
| 37 | 4 | 314 | A86 | C8-C6 | 7.99 | 1.63 | 1.46 |
| 38 | 8 | 314 | KC1 | C2A-C3A | 7.99 | 1.53 | 1.37 |
| 39 | 7 | 314 | DD6 | C19-C20 | 7.99 | 1.63 | 1.52 |
| 37 | 10 | 302 | A86 | C8-C6 | 7.96 | 1.63 | 1.46 |
| 37 | 14 | 314 | A86 | C4-C5 | 7.95 | 1.67 | 1.43 |
| 39 | 16 | 313 | DD6 | C21-C20 | -7.95 | 1.39 | 1.51 |
| 39 | 7 | 318 | DD6 | C19-C20 | 7.93 | 1.63 | 1.52 |
| 37 | 15 | 315 | A86 | C4-C5 | 7.91 | 1.67 | 1.43 |
| 39 | 6 | 319 | DD6 | C13-C11 | -7.89 | 1.29 | 1.46 |
| 39 | 16 | 313 | DD6 | C19-C20 | 7.89 | 1.63 | 1.52 |
| 37 | 11 | 301 | A86 | C8-C6 | 7.88 | 1.62 | 1.46 |
| 39 | 2 | 315 | DD6 | C13-C11 | -7.88 | 1.29 | 1.46 |
| 39 | 7 | 302 | DD6 | C13-C11 | -7.87 | 1.29 | 1.46 |
| 39 | 13 | 314 | DD6 | C13-C11 | -7.87 | 1.29 | 1.46 |
| 37 | 15 | 315 | A86 | C8-C6 | 7.86 | 1.62 | 1.46 |
| 37 | 13 | 313 | A86 | C4-C5 | 7.86 | 1.67 | 1.43 |
| 38 | 11 | 312 | KC1 | C2A-C3A | 7.84 | 1.53 | 1.37 |
| 38 | 4 | 308 | KC1 | C2A-C3A | 7.84 | 1.53 | 1.37 |
| 37 | 2u | 203 | A86 | C8-C6 | 7.83 | 1.62 | 1.46 |
| 39 | 11 | 313 | DD6 | C9-C10 | 7.82 | 1.67 | 1.43 |
| 39 | 10 | 314 | DD6 | C19-C20 | 7.81 | 1.63 | 1.52 |
| 39 | 3 | 313 | DD6 | C9-C10 | 7.79 | 1.67 | 1.43 |
| 39 | 15 | 318 | DD6 | C19-C20 | 7.78 | 1.63 | 1.52 |
| 38 | 16 | 311 | KC1 | C2A-C3A | 7.76 | 1.52 | 1.37 |
| 39 | 6 | 319 | DD6 | C23-C16 | 7.76 | 1.68 | 1.53 |
| 39 | 8 | 316 | DD6 | C13-C11 | -7.75 | 1.29 | 1.46 |
| 37 | 15 | 320 | A86 | C4-C5 | 7.75 | 1.67 | 1.43 |
| 39 | 16 | 313 | DD6 | C23-C16 | 7.74 | 1.68 | 1.53 |
| 37 | 15 | 322 | A86 | C4-C5 | 7.74 | 1.67 | 1.43 |
| 39 | 7 | 302 | DD6 | C9-C10 | 7.73 | 1.67 | 1.43 |
| 37 | 14 | 320 | A86 | C4-C5 | 7.72 | 1.67 | 1.43 |
| 39 | 2 | 317 | DD6 | C19-C20 | 7.72 | 1.63 | 1.52 |
| 39 | 13 | 314 | DD6 | C9-C10 | 7.72 | 1.67 | 1.43 |
| 37 | 9 | 316 | A86 | C4-C5 | 7.71 | 1.67 | 1.43 |
| 37 | 8 | 318 | A86 | C4-C5 | 7.69 | 1.67 | 1.43 |
| 39 | 12 | 317 | DD6 | C9-C10 | 7.69 | 1.67 | 1.43 |
| 39 | 6 | 319 | DD6 | C9-C10 | 7.69 | 1.67 | 1.43 |
| 39 | 3 | 316 | DD6 | C9-C10 | 7.68 | 1.67 | 1.43 |
| 39 | 2 | 317 | DD6 | C9-C10 | 7.68 | 1.67 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 37 | 15 | 320 | A86 | C8-C6 | 7.67 | 1.62 | 1.46 |
| 37 | 9 | 316 | A86 | C8-C6 | 7.66 | 1.62 | 1.46 |
| 39 | 5 | 313 | DD6 | C9-C10 | 7.66 | 1.66 | 1.43 |
| 37 | 10 | 317 | A86 | C4-C5 | 7.66 | 1.66 | 1.43 |
| 39 | 15 | 319 | DD6 | C19-C20 | 7.66 | 1.63 | 1.52 |
| 39 | 1 | 310 | DD6 | C19-C20 | 7.65 | 1.62 | 1.52 |
| 37 | 16 | 312 | A86 | C4-C5 | 7.65 | 1.66 | 1.43 |
| 39 | 16 | 313 | DD6 | C9-C10 | 7.65 | 1.66 | 1.43 |
| 37 | 14 | 319 | A86 | C4-C5 | 7.64 | 1.66 | 1.43 |
| 37 | 13 | 313 | A86 | C8-C6 | 7.64 | 1.62 | 1.46 |
| 37 | 13 | 315 | A86 | C4-C5 | 7.64 | 1.66 | 1.43 |
| 37 | 3 | 314 | A86 | C4-C5 | 7.64 | 1.66 | 1.43 |
| 37 | 15 | 323 | A86 | C4-C5 | 7.63 | 1.66 | 1.43 |
| 39 | 10 | 314 | DD6 | C9-C10 | 7.62 | 1.66 | 1.43 |
| 37 | 9 | 315 | A86 | C4-C5 | 7.62 | 1.66 | 1.43 |
| 39 | 7 | 318 | DD6 | C9-C10 | 7.62 | 1.66 | 1.43 |
| 39 | 3 | 312 | DD6 | C9-C10 | 7.61 | 1.66 | 1.43 |
| 37 | 15 | 317 | A86 | C4-C5 | 7.61 | 1.66 | 1.43 |
| 37 | 12 | 316 | A86 | C4-C5 | 7.60 | 1.66 | 1.43 |
| 39 | 12 | 315 | DD6 | C9-C10 | 7.60 | 1.66 | 1.43 |
| 39 | 7 | 317 | DD6 | C19-C20 | 7.60 | 1.62 | 1.52 |
| 39 | 7 | 317 | DD6 | C9-C10 | 7.60 | 1.66 | 1.43 |
| 37 | 15 | 316 | A86 | C4-C5 | 7.59 | 1.66 | 1.43 |
| 39 | 15 | 318 | DD6 | C9-C10 | 7.59 | 1.66 | 1.43 |
| 38 | 14 | 308 | KC1 | C2A-C3A | 7.59 | 1.52 | 1.37 |
| 39 | 15 | 319 | DD6 | C9-C10 | 7.59 | 1.66 | 1.43 |
| 39 | 6 | 318 | DD6 | C9-C10 | 7.59 | 1.66 | 1.43 |
| 37 | 10 | 315 | A86 | C4-C5 | 7.59 | 1.66 | 1.43 |
| 37 | 14 | 317 | A86 | C4-C5 | 7.58 | 1.66 | 1.43 |
| 39 | 6 | 303 | DD6 | C9-C10 | 7.58 | 1.66 | 1.43 |
| 37 | 14 | 318 | A86 | C4-C5 | 7.57 | 1.66 | 1.43 |
| 37 | 11 | 314 | A86 | C4-C5 | 7.57 | 1.66 | 1.43 |
| 38 | 14 | 311 | KC1 | C2A-C3A | 7.57 | 1.52 | 1.37 |
| 31 | A | 845 | PQN | C3-C2 | 7.56 | 1.48 | 1.35 |
| 39 | 10 | 313 | DD6 | C9-C10 | 7.56 | 1.66 | 1.43 |
| 39 | 1 | 310 | DD6 | C9-C10 | 7.55 | 1.66 | 1.43 |
| 39 | 4 | 316 | DD6 | C9-C10 | 7.55 | 1.66 | 1.43 |
| 37 | 12 | 314 | A86 | C4-C5 | 7.55 | 1.66 | 1.43 |
| 39 | 4 | 316 | DD6 | C19-C20 | 7.55 | 1.62 | 1.52 |
| 37 | 5 | 316 | A86 | C4-C5 | 7.55 | 1.66 | 1.43 |
| 37 | 3 | 315 | A86 | C4-C5 | 7.54 | 1.66 | 1.43 |
| 39 | 3 | 313 | DD6 | C19-C20 | 7.54 | 1.62 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 12 | 309 | KC1 | C2A-C3A | 7.54 | 1.52 | 1.37 |
| 37 | 5 | 301 | A86 | C4-C5 | 7.52 | 1.66 | 1.43 |
| 37 | 15 | 323 | A86 | C8-C6 | 7.52 | 1.62 | 1.46 |
| 38 | 13 | 312 | KC1 | C2A-C3A | 7.52 | 1.52 | 1.37 |
| 37 | 2 | 302 | A86 | C4-C5 | 7.51 | 1.66 | 1.43 |
| 38 | 16 | 304 | KC1 | C2A-C3A | 7.51 | 1.52 | 1.37 |
| 37 | 14 | 301 | A86 | C4-C5 | 7.50 | 1.66 | 1.43 |
| 37 | 13 | 315 | A86 | C8-C6 | 7.49 | 1.62 | 1.46 |
| 37 | 11 | 316 | A86 | C4-C5 | 7.49 | 1.66 | 1.43 |
| 37 | 1 | 309 | A86 | C4-C5 | 7.49 | 1.66 | 1.43 |
| 39 | 8 | 317 | DD6 | C9-C10 | 7.49 | 1.66 | 1.43 |
| 37 | 10 | 302 | A86 | C4-C5 | 7.48 | 1.66 | 1.43 |
| 39 | 3 | 312 | DD6 | C19-C20 | 7.48 | 1.62 | 1.52 |
| 37 | 15 | 322 | A86 | C8-C6 | 7.48 | 1.62 | 1.46 |
| 39 | 6 | 321 | DD6 | C9-C10 | 7.48 | 1.66 | 1.43 |
| 37 | 4 | 314 | A86 | C4-C5 | 7.47 | 1.66 | 1.43 |
| 37 | 5 | 315 | A86 | C4-C5 | 7.47 | 1.66 | 1.43 |
| 39 | 4 | 313 | DD6 | C9-C10 | 7.46 | 1.66 | 1.43 |
| 39 | 9 | 314 | DD6 | C19-C20 | 7.46 | 1.62 | 1.52 |
| 38 | 8 | 306 | KC1 | C2A-C3A | 7.46 | 1.52 | 1.37 |
| 37 | 14 | 314 | A86 | C8-C6 | 7.45 | 1.61 | 1.46 |
| 39 | 9 | 314 | DD6 | C9-C10 | 7.45 | 1.66 | 1.43 |
| 37 | 7 | 315 | A86 | C4-C5 | 7.45 | 1.66 | 1.43 |
| 39 | 7 | 314 | DD6 | C9-C10 | 7.44 | 1.66 | 1.43 |
| 37 | 16 | 314 | A86 | C4-C5 | 7.44 | 1.66 | 1.43 |
| 39 | 3 | 316 | DD6 | C19-C20 | 7.44 | 1.62 | 1.52 |
| 38 | 11 | 311 | KC1 | C2A-C3A | 7.44 | 1.52 | 1.37 |
| 37 | 11 | 315 | A86 | C4-C5 | 7.43 | 1.66 | 1.43 |
| 37 | 10 | 317 | A86 | C8-C6 | 7.43 | 1.61 | 1.46 |
| 38 | 7 | 308 | KC1 | C2A-C3A | 7.42 | 1.52 | 1.37 |
| 37 | 2 | 319 | A86 | C4-C5 | 7.42 | 1.66 | 1.43 |
| 37 | 14 | 315 | A86 | C4-C5 | 7.42 | 1.66 | 1.43 |
| 37 | 14 | 316 | A86 | C4-C5 | 7.42 | 1.66 | 1.43 |
| 37 | 4 | 312 | A86 | C4-C5 | 7.41 | 1.66 | 1.43 |
| 37 | 9 | 315 | A86 | C8-C6 | 7.41 | 1.61 | 1.46 |
| 37 | 2 | 318 | A86 | C4-C5 | 7.41 | 1.66 | 1.43 |
| 37 | 9 | 316 | A86 | C19-C20 | 7.41 | 1.62 | 1.52 |
| 37 | 11 | 301 | A86 | C4-C5 | 7.41 | 1.66 | 1.43 |
| 37 | 16 | 314 | A86 | C19-C20 | 7.41 | 1.62 | 1.52 |
| 37 | 2u | 205 | A86 | C4-C5 | 7.41 | 1.66 | 1.43 |
| 37 | 14 | 320 | A86 | C8-C6 | 7.41 | 1.61 | 1.46 |
| 37 | 15 | 321 | A86 | C4-C5 | 7.41 | 1.66 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 8 | 316 | DD6 | C9-C10 | 7.41 | 1.66 | 1.43 |
| 39 | 2 | 315 | DD6 | C9-C10 | 7.41 | 1.66 | 1.43 |
| 38 | 13 | 310 | KC1 | C2A-C3A | 7.41 | 1.52 | 1.37 |
| 38 | 3 | 308 | KC1 | C2A-C3A | 7.39 | 1.52 | 1.37 |
| 39 | 8 | 316 | DD6 | C21-C20 | -7.39 | 1.40 | 1.51 |
| 37 | 5 | 316 | A86 | C8-C6 | 7.39 | 1.61 | 1.46 |
| 38 | 4 | 307 | KC1 | C2A-C3A | 7.39 | 1.52 | 1.37 |
| 37 | 7 | 319 | A86 | C8-C6 | 7.38 | 1.61 | 1.46 |
| 37 | 10 | 315 | A86 | C8-C6 | 7.38 | 1.61 | 1.46 |
| 38 | 13 | 308 | KC1 | C2A-C3A | 7.35 | 1.52 | 1.37 |
| 39 | 5 | 314 | DD6 | C9-C10 | 7.35 | 1.66 | 1.43 |
| 37 | 15 | 317 | A86 | C8-C6 | 7.34 | 1.61 | 1.46 |
| 37 | 13 | 315 | A86 | C19-C20 | 7.34 | 1.62 | 1.52 |
| 39 | 8 | 317 | DD6 | C19-C20 | 7.34 | 1.62 | 1.52 |
| 39 | 6 | 321 | DD6 | C19-C20 | 7.34 | 1.62 | 1.52 |
| 37 | 14 | 319 | A86 | C8-C6 | 7.34 | 1.61 | 1.46 |
| 38 | 11 | 307 | KC1 | C2A-C3A | 7.33 | 1.52 | 1.37 |
| 37 | 10 | 316 | A86 | C4-C5 | 7.33 | 1.65 | 1.43 |
| 37 | 4 | 317 | A86 | C4-C5 | 7.33 | 1.65 | 1.43 |
| 37 | 7 | 319 | A86 | C4-C5 | 7.33 | 1.65 | 1.43 |
| 38 | 8 | 310 | KC1 | C2A-C3A | 7.32 | 1.52 | 1.37 |
| 37 | 5 | 315 | A86 | C8-C6 | 7.32 | 1.61 | 1.46 |
| 37 | 2u | 203 | A86 | C4-C5 | 7.32 | 1.65 | 1.43 |
| 38 | 2 | 312 | KC1 | C2A-C3A | 7.31 | 1.52 | 1.37 |
| 39 | 2 | 315 | DD6 | C19-C20 | 7.31 | 1.62 | 1.52 |
| 31 | B | 840 | PQN | C3-C2 | 7.31 | 1.48 | 1.35 |
| 37 | 2 | 302 | A86 | C8-C6 | 7.31 | 1.61 | 1.46 |
| 39 | 7 | 302 | DD6 | C24-C1 | 7.31 | 1.61 | 1.46 |
| 37 | 11 | 314 | A86 | C8-C6 | 7.31 | 1.61 | 1.46 |
| 37 | 12 | 316 | A86 | C8-C6 | 7.31 | 1.61 | 1.46 |
| 37 | 4 | 315 | A86 | C4-C5 | 7.30 | 1.65 | 1.43 |
| 37 | 15 | 316 | A86 | C8-C6 | 7.30 | 1.61 | 1.46 |
| 39 | 2 | 316 | DD6 | C9-C10 | 7.30 | 1.65 | 1.43 |
| 38 | 14 | 306 | KC1 | C2A-C3A | 7.30 | 1.52 | 1.37 |
| 37 | 6 | 320 | A86 | C4-C5 | 7.29 | 1.65 | 1.43 |
| 38 | 12 | 311 | KC1 | C2A-C3A | 7.29 | 1.52 | 1.37 |
| 39 | 5 | 313 | DD6 | C19-C20 | 7.29 | 1.62 | 1.52 |
| 37 | 15 | 321 | A86 | C19-C20 | 7.29 | 1.62 | 1.52 |
| 38 | 4 | 310 | KC1 | C2A-C3A | 7.28 | 1.52 | 1.37 |
| 37 | 13 | 313 | A86 | C25-C26 | 7.28 | 1.65 | 1.43 |
| 37 | 16 | 312 | A86 | C8-C6 | 7.28 | 1.61 | 1.46 |
| 37 | 3 | 315 | A86 | C8-C6 | 7.28 | 1.61 | 1.46 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 12 | 305 | KC1 | C2A-C3A | 7.28 | 1.51 | 1.37 |
| 38 | 8 | 312 | KC1 | C2A-C3A | 7.26 | 1.51 | 1.37 |
| 39 | 4 | 316 | DD6 | C30-C29 | 7.26 | 1.40 | 1.20 |
| 37 | 14 | 301 | A86 | C8-C6 | 7.25 | 1.61 | 1.46 |
| 37 | 15 | 323 | A86 | C19-C20 | 7.25 | 1.62 | 1.52 |
| 37 | 3 | 314 | A86 | C8-C6 | 7.24 | 1.61 | 1.46 |
| 38 | 1 | 308 | KC1 | C2A-C3A | 7.23 | 1.51 | 1.37 |
| 38 | 5 | 310 | KC1 | C2A-C3A | 7.23 | 1.51 | 1.37 |
| 39 | 4 | 313 | DD6 | C19-C20 | 7.23 | 1.62 | 1.52 |
| 37 | 16 | 314 | A86 | C8-C6 | 7.22 | 1.61 | 1.46 |
| 37 | 9 | 313 | A86 | C4-C5 | 7.22 | 1.65 | 1.43 |
| 37 | 14 | 318 | A86 | C8-C6 | 7.22 | 1.61 | 1.46 |
| 38 | 3 | 304 | KC1 | C2A-C3A | 7.21 | 1.51 | 1.37 |
| 37 | 15 | 321 | A86 | C8-C6 | 7.21 | 1.61 | 1.46 |
| 37 | 14 | 319 | A86 | C19-C20 | 7.21 | 1.62 | 1.52 |
| 37 | 5 | 301 | A86 | C8-C6 | 7.20 | 1.61 | 1.46 |
| 39 | 2 | 317 | DD6 | C24-C1 | 7.20 | 1.61 | 1.46 |
| 37 | 14 | 318 | A86 | C19-C20 | 7.20 | 1.62 | 1.52 |
| 39 | 12 | 315 | DD6 | C19-C20 | 7.20 | 1.62 | 1.52 |
| 37 | 14 | 317 | A86 | C8-C6 | 7.18 | 1.61 | 1.46 |
| 38 | 2 | 314 | KC1 | C2A-C3A | 7.18 | 1.51 | 1.37 |
| 37 | 15 | 322 | A86 | C19-C20 | 7.18 | 1.62 | 1.52 |
| 39 | 15 | 318 | DD6 | C30-C29 | 7.18 | 1.40 | 1.20 |
| 37 | 13 | 313 | A86 | C19-C20 | 7.17 | 1.62 | 1.52 |
| 38 | 9 | 310 | KC1 | C2A-C3A | 7.17 | 1.51 | 1.37 |
| 37 | 3 | 315 | A86 | C19-C20 | 7.17 | 1.62 | 1.52 |
| 38 | 13 | 311 | KC1 | C2A-C3A | 7.17 | 1.51 | 1.37 |
| 39 | 13 | 314 | DD6 | C30-C29 | 7.16 | 1.40 | 1.20 |
| 37 | 11 | 315 | A86 | C8-C6 | 7.15 | 1.61 | 1.46 |
| 37 | 10 | 317 | A86 | C19-C20 | 7.14 | 1.62 | 1.52 |
| 38 | 8 | 311 | KC1 | C2A-C3A | 7.14 | 1.51 | 1.37 |
| 38 | 6 | 312 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 38 | 13 | 306 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 38 | 10 | 310 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 37 | 11 | 316 | A86 | C8-C6 | 7.13 | 1.61 | 1.46 |
| 38 | 6 | 313 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 38 | 9 | 304 | KC1 | C2A-C3A | 7.13 | 1.51 | 1.37 |
| 38 | 13 | 305 | KC1 | C2A-C3A | 7.12 | 1.51 | 1.37 |
| 37 | 15 | 320 | A86 | C19-C20 | 7.12 | 1.62 | 1.52 |
| 39 | 12 | 315 | DD6 | C21-C20 | -7.12 | 1.41 | 1.51 |
| 39 | 6 | 319 | DD6 | C24-C1 | 7.11 | 1.61 | 1.46 |
| 37 | 10 | 301 | A86 | C4-C5 | 7.11 | 1.65 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 4 | 313 | DD6 | C24-C1 | 7.11 | 1.61 | 1.46 |
| 38 | 10 | 312 | KC1 | C2A-C3A | 7.11 | 1.51 | 1.37 |
| 37 | 1 | 309 | A86 | C19-C20 | 7.10 | 1.62 | 1.52 |
| 39 | 15 | 319 | DD6 | C30-C29 | 7.10 | 1.40 | 1.20 |
| 38 | 5 | 305 | KC1 | C2A-C3A | 7.10 | 1.51 | 1.37 |
| 39 | 16 | 313 | DD6 | C30-C29 | 7.10 | 1.40 | 1.20 |
| 37 | 2 | 318 | A86 | C8-C6 | 7.10 | 1.61 | 1.46 |
| 38 | 1 | 306 | KC1 | C2A-C3A | 7.10 | 1.51 | 1.37 |
| 38 | 6 | 311 | KC1 | C2A-C3A | 7.09 | 1.51 | 1.37 |
| 39 | 2 | 315 | DD6 | C24-C1 | 7.09 | 1.61 | 1.46 |
| 39 | 3 | 316 | DD6 | C30-C29 | 7.08 | 1.40 | 1.20 |
| 39 | 2 | 315 | DD6 | C30-C29 | 7.08 | 1.40 | 1.20 |
| 39 | 15 | 318 | DD6 | C24-C1 | 7.08 | 1.61 | 1.46 |
| 39 | 15 | 319 | DD6 | C24-C1 | 7.08 | 1.61 | 1.46 |
| 38 | 2 | 306 | KC1 | C2A-C3A | 7.08 | 1.51 | 1.37 |
| 38 | 7 | 313 | KC1 | C2A-C3A | 7.08 | 1.51 | 1.37 |
| 37 | 14 | 315 | A86 | C19-C20 | 7.07 | 1.62 | 1.52 |
| 39 | 6 | 318 | DD6 | C24-C1 | 7.07 | 1.61 | 1.46 |
| 39 | 13 | 314 | DD6 | C24-C1 | 7.06 | 1.61 | 1.46 |
| 39 | 2 | 317 | DD6 | C30-C31 | 7.06 | 1.55 | 1.42 |
| 37 | 15 | 323 | A86 | C25-C26 | 7.06 | 1.65 | 1.43 |
| 37 | 15 | 317 | A86 | C19-C20 | 7.06 | 1.62 | 1.52 |
| 37 | 7 | 319 | A86 | C19-C20 | 7.05 | 1.62 | 1.52 |
| 37 | 11 | 316 | A86 | C19-C20 | 7.05 | 1.62 | 1.52 |
| 37 | 14 | 315 | A86 | C8-C6 | 7.04 | 1.61 | 1.46 |
| 37 | 14 | 316 | A86 | C8-C6 | 7.04 | 1.61 | 1.46 |
| 39 | 3 | 316 | DD6 | C24-C1 | 7.04 | 1.61 | 1.46 |
| 37 | 8 | 315 | A86 | C4-C5 | 7.03 | 1.65 | 1.43 |
| 39 | 15 | 318 | DD6 | C30-C31 | 7.03 | 1.55 | 1.42 |
| 37 | 4 | 312 | A86 | C8-C6 | 7.03 | 1.61 | 1.46 |
| 38 | 3 | 311 | KC1 | C2A-C3A | 7.03 | 1.51 | 1.37 |
| 37 | 8 | 318 | A86 | C19-C20 | 7.03 | 1.62 | 1.52 |
| 39 | 12 | 315 | DD6 | C24-C1 | 7.03 | 1.61 | 1.46 |
| 38 | 5 | 312 | KC1 | C2A-C3A | 7.03 | 1.51 | 1.37 |
| 39 | 4 | 313 | DD6 | C21-C20 | -7.02 | 1.41 | 1.51 |
| 37 | 2 | 319 | A86 | C8-C6 | 7.02 | 1.61 | 1.46 |
| 37 | 15 | 320 | A86 | C25-C26 | 7.02 | 1.65 | 1.43 |
| 37 | 15 | 316 | A86 | C25-C26 | 7.02 | 1.65 | 1.43 |
| 37 | 14 | 314 | A86 | C19-C20 | 7.02 | 1.62 | 1.52 |
| 39 | 5 | 313 | DD6 | C30-C29 | 7.02 | 1.40 | 1.20 |
| 37 | 2 | 318 | A86 | C25-C26 | 7.02 | 1.64 | 1.43 |
| 37 | 15 | 317 | A86 | C25-C26 | 7.01 | 1.64 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 6 | 303 | DD6 | C30-C29 | 7.01 | 1.40 | 1.20 |
| 37 | 14 | 301 | A86 | C19-C20 | 7.01 | 1.62 | 1.52 |
| 37 | 6 | 320 | A86 | C8-C6 | 7.00 | 1.60 | 1.46 |
| 37 | 3 | 315 | A86 | C25-C26 | 7.00 | 1.64 | 1.43 |
| 37 | 1 | 309 | A86 | C8-C6 | 7.00 | 1.60 | 1.46 |
| 39 | 7 | 317 | DD6 | C24-C1 | 7.00 | 1.60 | 1.46 |
| 39 | 7 | 302 | DD6 | C30-C29 | 7.00 | 1.39 | 1.20 |
| 37 | 9 | 316 | A86 | C25-C26 | 7.00 | 1.64 | 1.43 |
| 38 | 6 | 308 | KC1 | C2A-C3A | 7.00 | 1.51 | 1.37 |
| 39 | 1 | 310 | DD6 | C30-C29 | 6.99 | 1.39 | 1.20 |
| 37 | 2 | 302 | A86 | C19-C20 | 6.99 | 1.62 | 1.52 |
| 39 | 6 | 303 | DD6 | C24-C1 | 6.99 | 1.60 | 1.46 |
| 39 | 5 | 314 | DD6 | C21-C20 | -6.99 | 1.41 | 1.51 |
| 39 | 3 | 313 | DD6 | C24-C1 | 6.99 | 1.60 | 1.46 |
| 37 | 11 | 314 | A86 | C19-C20 | 6.99 | 1.62 | 1.52 |
| 37 | 12 | 316 | A86 | C19-C20 | 6.98 | 1.62 | 1.52 |
| 39 | 3 | 312 | DD6 | C30-C29 | 6.98 | 1.39 | 1.20 |
| 37 | 15 | 316 | A86 | C19-C20 | 6.98 | 1.62 | 1.52 |
| 39 | 8 | 317 | DD6 | C30-C29 | 6.98 | 1.39 | 1.20 |
| 39 | 7 | 302 | DD6 | C21-C20 | -6.98 | 1.41 | 1.51 |
| 39 | 2 | 316 | DD6 | C19-C20 | 6.98 | 1.62 | 1.52 |
| 37 | 10 | 316 | A86 | C8-C6 | 6.98 | 1.60 | 1.46 |
| 39 | 8 | 317 | DD6 | C24-C1 | 6.98 | 1.60 | 1.46 |
| 39 | 5 | 313 | DD6 | C24-C1 | 6.97 | 1.60 | 1.46 |
| 39 | 15 | 319 | DD6 | C30-C31 | 6.97 | 1.55 | 1.42 |
| 37 | 7 | 316 | A86 | C4-C5 | 6.97 | 1.64 | 1.43 |
| 39 | 2 | 316 | DD6 | C24-C1 | 6.97 | 1.60 | 1.46 |
| 37 | 12 | 314 | A86 | C19-C20 | 6.96 | 1.62 | 1.52 |
| 39 | 2 | 317 | DD6 | C30-C29 | 6.96 | 1.39 | 1.20 |
| 39 | 3 | 312 | DD6 | C24-C1 | 6.96 | 1.60 | 1.46 |
| 39 | 9 | 314 | DD6 | C21-C20 | -6.96 | 1.41 | 1.51 |
| 37 | 4 | 315 | A86 | C8-C6 | 6.96 | 1.60 | 1.46 |
| 39 | 10 | 313 | DD6 | C30-C29 | 6.95 | 1.39 | 1.20 |
| 38 | 11 | 305 | KC1 | C2A-C3A | 6.95 | 1.51 | 1.37 |
| 39 | 9 | 314 | DD6 | C30-C29 | 6.95 | 1.39 | 1.20 |
| 37 | 10 | 302 | A86 | C25-C26 | 6.94 | 1.64 | 1.43 |
| 39 | 10 | 314 | DD6 | C30-C29 | 6.94 | 1.39 | 1.20 |
| 38 | 12 | 311 | KC1 | CBA-CAA | 6.94 | 1.53 | 1.33 |
| 38 | 12 | 313 | KC1 | C2A-C3A | 6.94 | 1.51 | 1.37 |
| 39 | 10 | 314 | DD6 | C24-C1 | 6.94 | 1.60 | 1.46 |
| 37 | 4 | 317 | A86 | C8-C6 | 6.93 | 1.60 | 1.46 |
| 37 | 2u | 203 | A86 | C19-C20 | 6.93 | 1.61 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 317 | A86 | C19-C20 | 6.93 | 1.61 | 1.52 |
| 37 | 15 | 315 | A86 | C19-C20 | 6.93 | 1.61 | 1.52 |
| 38 | 13 | 305 | KC1 | CBA-CAA | 6.93 | 1.53 | 1.33 |
| 39 | 4 | 316 | DD6 | C24-C1 | 6.93 | 1.60 | 1.46 |
| 39 | 12 | 315 | DD6 | C30-C29 | 6.93 | 1.39 | 1.20 |
| 37 | 15 | 321 | A86 | C25-C26 | 6.93 | 1.64 | 1.43 |
| 39 | 7 | 317 | DD6 | C30-C29 | 6.92 | 1.39 | 1.20 |
| 37 | 9 | 315 | A86 | C25-C26 | 6.92 | 1.64 | 1.43 |
| 37 | 10 | 317 | A86 | C25-C26 | 6.92 | 1.64 | 1.43 |
| 39 | 16 | 313 | DD6 | C24-C1 | 6.92 | 1.60 | 1.46 |
| 39 | 9 | 314 | DD6 | C24-C1 | 6.91 | 1.60 | 1.46 |
| 39 | 3 | 313 | DD6 | C30-C29 | 6.91 | 1.39 | 1.20 |
| 38 | 8 | 307 | KC1 | C2A-C3A | 6.91 | 1.51 | 1.37 |
| 37 | 11 | 316 | A86 | C25-C26 | 6.90 | 1.64 | 1.43 |
| 38 | 10 | 306 | KC1 | C2A-C3A | 6.90 | 1.51 | 1.37 |
| 37 | 15 | 315 | A86 | C25-C26 | 6.90 | 1.64 | 1.43 |
| 37 | 15 | 322 | A86 | C25-C26 | 6.90 | 1.64 | 1.43 |
| 38 | 9 | 311 | KC1 | C2A-C3A | 6.90 | 1.51 | 1.37 |
| 39 | 11 | 313 | DD6 | C30-C29 | 6.90 | 1.39 | 1.20 |
| 37 | 13 | 315 | A86 | C25-C26 | 6.89 | 1.64 | 1.43 |
| 37 | 5 | 315 | A86 | C19-C20 | 6.89 | 1.61 | 1.52 |
| 39 | 7 | 314 | DD6 | C24-C1 | 6.89 | 1.60 | 1.46 |
| 37 | 7 | 315 | A86 | C25-C26 | 6.89 | 1.64 | 1.43 |
| 39 | 8 | 316 | DD6 | C19-C20 | 6.88 | 1.61 | 1.52 |
| 39 | 6 | 303 | DD6 | C30-C31 | 6.88 | 1.55 | 1.42 |
| 37 | 10 | 315 | A86 | C25-C26 | 6.88 | 1.64 | 1.43 |
| 37 | 3 | 314 | A86 | C25-C26 | 6.88 | 1.64 | 1.43 |
| 39 | 6 | 321 | DD6 | C24-C1 | 6.87 | 1.60 | 1.46 |
| 39 | 6 | 319 | DD6 | C30-C29 | 6.87 | 1.39 | 1.20 |
| 39 | 7 | 318 | DD6 | C24-C1 | 6.87 | 1.60 | 1.46 |
| 39 | 13 | 314 | DD6 | C30-C31 | 6.87 | 1.55 | 1.42 |
| 39 | 4 | 316 | DD6 | C30-C31 | 6.87 | 1.55 | 1.42 |
| 37 | 14 | 317 | A86 | C25-C26 | 6.86 | 1.64 | 1.43 |
| 39 | 3 | 316 | DD6 | C21-C20 | -6.86 | 1.41 | 1.51 |
| 39 | 12 | 317 | DD6 | C24-C1 | 6.86 | 1.60 | 1.46 |
| 37 | 10 | 315 | A86 | C19-C20 | 6.86 | 1.61 | 1.52 |
| 38 | 5 | 306 | KC1 | C2A-C3A | 6.86 | 1.51 | 1.37 |
| 39 | 1 | 310 | DD6 | C24-C1 | 6.86 | 1.60 | 1.46 |
| 37 | 12 | 316 | A86 | C25-C26 | 6.85 | 1.64 | 1.43 |
| 37 | 14 | 320 | A86 | C25-C26 | 6.85 | 1.64 | 1.43 |
| 39 | 4 | 313 | DD6 | C30-C29 | 6.85 | 1.39 | 1.20 |
| 37 | 16 | 312 | A86 | C19-C20 | 6.85 | 1.61 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 318 | A86 | C25-C26 | 6.85 | 1.64 | 1.43 |
| 37 | 7 | 315 | A86 | C8-C6 | 6.85 | 1.60 | 1.46 |
| 39 | 10 | 313 | DD6 | C24-C1 | 6.85 | 1.60 | 1.46 |
| 39 | 5 | 314 | DD6 | C19-C20 | 6.84 | 1.61 | 1.52 |
| 39 | 8 | 316 | DD6 | C30-C29 | 6.84 | 1.39 | 1.20 |
| 39 | 11 | 313 | DD6 | C24-C1 | 6.84 | 1.60 | 1.46 |
| 37 | 7 | 319 | A86 | C25-C26 | 6.83 | 1.64 | 1.43 |
| 37 | 12 | 314 | A86 | C8-C6 | 6.83 | 1.60 | 1.46 |
| 39 | 16 | 313 | DD6 | C30-C31 | 6.83 | 1.55 | 1.42 |
| 37 | 11 | 314 | A86 | C25-C26 | 6.83 | 1.64 | 1.43 |
| 37 | 5 | 301 | A86 | C25-C26 | 6.82 | 1.64 | 1.43 |
| 39 | 3 | 316 | DD6 | C30-C31 | 6.82 | 1.55 | 1.42 |
| 38 | 8 | 313 | KC1 | C2A-C3A | 6.82 | 1.51 | 1.37 |
| 38 | 8 | 312 | KC1 | CBA-CAA | 6.81 | 1.53 | 1.33 |
| 38 | 13 | 306 | KC1 | CBA-CAA | 6.81 | 1.53 | 1.33 |
| 39 | 2 | 316 | DD6 | C30-C29 | 6.80 | 1.39 | 1.20 |
| 38 | 6 | 308 | KC1 | CBA-CAA | 6.80 | 1.53 | 1.33 |
| 37 | 4 | 315 | A86 | C25-C26 | 6.80 | 1.64 | 1.43 |
| 37 | 12 | 314 | A86 | C25-C26 | 6.80 | 1.64 | 1.43 |
| 37 | 9 | 313 | A86 | C8-C6 | 6.80 | 1.60 | 1.46 |
| 38 | 11 | 312 | KC1 | CBA-CAA | 6.80 | 1.53 | 1.33 |
| 38 | 14 | 308 | KC1 | CBA-CAA | 6.79 | 1.53 | 1.33 |
| 39 | 7 | 318 | DD6 | C30-C29 | 6.79 | 1.39 | 1.20 |
| 39 | 6 | 321 | DD6 | C30-C29 | 6.79 | 1.39 | 1.20 |
| 39 | 8 | 316 | DD6 | C24-C1 | 6.79 | 1.60 | 1.46 |
| 39 | 7 | 314 | DD6 | C30-C29 | 6.79 | 1.39 | 1.20 |
| 37 | 4 | 314 | A86 | C25-C26 | 6.79 | 1.64 | 1.43 |
| 39 | 12 | 317 | DD6 | C30-C29 | 6.79 | 1.39 | 1.20 |
| 37 | 14 | 319 | A86 | C25-C26 | 6.79 | 1.64 | 1.43 |
| 37 | 4 | 314 | A86 | C19-C20 | 6.79 | 1.61 | 1.52 |
| 39 | 7 | 317 | DD6 | C21-C20 | -6.79 | 1.41 | 1.51 |
| 39 | 6 | 319 | DD6 | C21-C20 | -6.78 | 1.41 | 1.51 |
| 39 | 3 | 313 | DD6 | C21-C20 | -6.78 | 1.41 | 1.51 |
| 37 | 14 | 316 | A86 | C25-C26 | 6.77 | 1.64 | 1.43 |
| 39 | 7 | 318 | DD6 | C21-C20 | -6.77 | 1.41 | 1.51 |
| 37 | 2 | 302 | A86 | C25-C26 | 6.76 | 1.64 | 1.43 |
| 38 | 12 | 305 | KC1 | CBA-CAA | 6.76 | 1.53 | 1.33 |
| 39 | 7 | 302 | DD6 | C30-C31 | 6.76 | 1.55 | 1.42 |
| 37 | 6 | 320 | A86 | C25-C26 | 6.76 | 1.64 | 1.43 |
| 38 | 11 | 311 | KC1 | CBA-CAA | 6.75 | 1.53 | 1.33 |
| 39 | 5 | 314 | DD6 | C24-C1 | 6.75 | 1.60 | 1.46 |
| 39 | 2 | 315 | DD6 | C30-C31 | 6.75 | 1.55 | 1.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 5 | 310 | KC1 | CBA-CAA | 6.75 | 1.53 | 1.33 |
| 37 | 11 | 301 | A86 | C19-C20 | 6.75 | 1.61 | 1.52 |
| 39 | 6 | 318 | DD6 | C30-C29 | 6.74 | 1.39 | 1.20 |
| 37 | 5 | 315 | A86 | C25-C26 | 6.74 | 1.64 | 1.43 |
| 38 | 16 | 304 | KC1 | CBA-CAA | 6.74 | 1.53 | 1.33 |
| 37 | 4 | 317 | A86 | C25-C26 | 6.74 | 1.64 | 1.43 |
| 38 | 7 | 313 | KC1 | CBA-CAA | 6.73 | 1.53 | 1.33 |
| 37 | 8 | 318 | A86 | C8-C6 | 6.73 | 1.60 | 1.46 |
| 38 | 9 | 312 | KC1 | CBA-CAA | 6.73 | 1.53 | 1.33 |
| 37 | 14 | 314 | A86 | C25-C26 | 6.73 | 1.64 | 1.43 |
| 37 | 11 | 301 | A86 | C25-C26 | 6.72 | 1.64 | 1.43 |
| 37 | 14 | 301 | A86 | C25-C26 | 6.72 | 1.64 | 1.43 |
| 38 | 13 | 310 | KC1 | CBA-CAA | 6.71 | 1.53 | 1.33 |
| 37 | 4 | 312 | A86 | C19-C20 | 6.71 | 1.61 | 1.52 |
| 39 | 1 | 310 | DD6 | C21-C20 | -6.71 | 1.41 | 1.51 |
| 38 | 3 | 311 | KC1 | CBA-CAA | 6.70 | 1.53 | 1.33 |
| 37 | 11 | 315 | A86 | C25-C26 | 6.70 | 1.64 | 1.43 |
| 37 | 5 | 316 | A86 | C25-C26 | 6.70 | 1.64 | 1.43 |
| 37 | 16 | 312 | A86 | C25-C26 | 6.70 | 1.64 | 1.43 |
| 38 | 2 | 314 | KC1 | CBA-CAA | 6.70 | 1.53 | 1.33 |
| 39 | 9 | 314 | DD6 | C30-C31 | 6.69 | 1.55 | 1.42 |
| 38 | 12 | 309 | KC1 | CBA-CAA | 6.69 | 1.53 | 1.33 |
| 39 | 5 | 314 | DD6 | C30-C29 | 6.69 | 1.39 | 1.20 |
| 38 | 6 | 311 | KC1 | CBA-CAA | 6.69 | 1.53 | 1.33 |
| 38 | 8 | 311 | KC1 | CBA-CAA | 6.69 | 1.53 | 1.33 |
| 37 | 10 | 301 | A86 | C25-C26 | 6.68 | 1.63 | 1.43 |
| 38 | 4 | 310 | KC1 | CBA-CAA | 6.68 | 1.53 | 1.33 |
| 38 | 5 | 305 | KC1 | CBA-CAA | 6.67 | 1.53 | 1.33 |
| 37 | 1 | 309 | A86 | C25-C26 | 6.67 | 1.63 | 1.43 |
| 38 | 4 | 307 | KC1 | CBA-CAA | 6.67 | 1.53 | 1.33 |
| 37 | 10 | 316 | A86 | C25-C26 | 6.67 | 1.63 | 1.43 |
| 37 | 4 | 315 | A86 | C19-C20 | 6.67 | 1.61 | 1.52 |
| 37 | 16 | 314 | A86 | C25-C26 | 6.67 | 1.63 | 1.43 |
| 38 | 9 | 312 | KC1 | C2A-C3A | 6.66 | 1.50 | 1.37 |
| 38 | 5 | 306 | KC1 | CBA-CAA | 6.66 | 1.52 | 1.33 |
| 38 | 6 | 312 | KC1 | CBA-CAA | 6.66 | 1.52 | 1.33 |
| 37 | 2u | 205 | A86 | C25-C26 | 6.65 | 1.63 | 1.43 |
| 37 | 14 | 315 | A86 | C25-C26 | 6.65 | 1.63 | 1.43 |
| 38 | 1 | 308 | KC1 | CBA-CAA | 6.65 | 1.52 | 1.33 |
| 39 | 8 | 317 | DD6 | C30-C31 | 6.65 | 1.55 | 1.42 |
| 38 | 8 | 307 | KC1 | CBA-CAA | 6.64 | 1.52 | 1.33 |
| 39 | 11 | 313 | DD6 | C21-C20 | -6.64 | 1.41 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 310 | CLA | C3B-C2B | 6.64 | 1.49 | 1.40 |
| 38 | 12 | 313 | KC1 | CBA-CAA | 6.63 | 1.52 | 1.33 |
| 39 | 3 | 312 | DD6 | C30-C31 | 6.63 | 1.55 | 1.42 |
| 38 | 13 | 308 | KC1 | CBA-CAA | 6.63 | 1.52 | 1.33 |
| 38 | 16 | 311 | KC1 | CBA-CAA | 6.63 | 1.52 | 1.33 |
| 38 | 10 | 310 | KC1 | CBA-CAA | 6.63 | 1.52 | 1.33 |
| 38 | 14 | 311 | KC1 | CBA-CAA | 6.62 | 1.52 | 1.33 |
| 37 | 10 | 301 | A86 | C8-C6 | 6.62 | 1.60 | 1.46 |
| 38 | 4 | 308 | KC1 | CBA-CAA | 6.62 | 1.52 | 1.33 |
| 38 | 11 | 307 | KC1 | CBA-CAA | 6.62 | 1.52 | 1.33 |
| 39 | 2 | 317 | DD6 | C21-C20 | -6.61 | 1.41 | 1.51 |
| 38 | 10 | 312 | KC1 | CBA-CAA | 6.61 | 1.52 | 1.33 |
| 38 | 2 | 306 | KC1 | CBA-CAA | 6.61 | 1.52 | 1.33 |
| 39 | 15 | 318 | DD6 | C21-C20 | -6.60 | 1.42 | 1.51 |
| 38 | 3 | 308 | KC1 | CBA-CAA | 6.60 | 1.52 | 1.33 |
| 38 | 14 | 306 | KC1 | CBA-CAA | 6.60 | 1.52 | 1.33 |
| 39 | 5 | 313 | DD6 | C30-C31 | 6.60 | 1.54 | 1.42 |
| 38 | 9 | 310 | KC1 | CBA-CAA | 6.60 | 1.52 | 1.33 |
| 39 | 5 | 313 | DD6 | C21-C20 | -6.59 | 1.42 | 1.51 |
| 38 | 5 | 312 | KC1 | CBA-CAA | 6.59 | 1.52 | 1.33 |
| 30 | 9 | 301 | CLA | C3B-C2B | 6.59 | 1.49 | 1.40 |
| 30 | L | 203 | CLA | C3B-C2B | 6.59 | 1.49 | 1.40 |
| 38 | 1 | 306 | KC1 | CBA-CAA | 6.59 | 1.52 | 1.33 |
| 38 | 7 | 308 | KC1 | CBA-CAA | 6.58 | 1.52 | 1.33 |
| 38 | 8 | 306 | KC1 | CBA-CAA | 6.57 | 1.52 | 1.33 |
| 39 | 12 | 315 | DD6 | C30-C31 | 6.57 | 1.54 | 1.42 |
| 39 | 7 | 314 | DD6 | C21-C20 | -6.57 | 1.42 | 1.51 |
| 37 | 8 | 315 | A86 | C8-C6 | 6.57 | 1.60 | 1.46 |
| 39 | 2 | 316 | DD6 | C21-C20 | -6.57 | 1.42 | 1.51 |
| 37 | 8 | 318 | A86 | C25-C26 | 6.57 | 1.63 | 1.43 |
| 37 | 4 | 312 | A86 | C25-C26 | 6.57 | 1.63 | 1.43 |
| 38 | 13 | 311 | KC1 | CBA-CAA | 6.57 | 1.52 | 1.33 |
| 37 | 2u | 203 | A86 | C25-C26 | 6.56 | 1.63 | 1.43 |
| 39 | 10 | 314 | DD6 | C21-C20 | -6.56 | 1.42 | 1.51 |
| 38 | 13 | 312 | KC1 | CBA-CAA | 6.56 | 1.52 | 1.33 |
| 39 | 6 | 321 | DD6 | C21-C20 | -6.55 | 1.42 | 1.51 |
| 38 | 3 | 304 | KC1 | CBA-CAA | 6.55 | 1.52 | 1.33 |
| 37 | 9 | 313 | A86 | C19-C20 | 6.55 | 1.61 | 1.52 |
| 30 | 8 | 305 | CLA | C3B-C2B | 6.54 | 1.49 | 1.40 |
| 39 | 8 | 317 | DD6 | C21-C20 | -6.54 | 1.42 | 1.51 |
| 39 | 15 | 319 | DD6 | C21-C20 | -6.53 | 1.42 | 1.51 |
| 38 | 9 | 304 | KC1 | CBA-CAA | 6.53 | 1.52 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 9 | 311 | KC1 | CBA-CAA | 6.53 | 1.52 | 1.33 |
| 30 | 8 | 302 | CLA | C3B-C2B | 6.52 | 1.49 | 1.40 |
| 39 | 7 | 317 | DD6 | C30-C31 | 6.52 | 1.54 | 1.42 |
| 38 | 2 | 312 | KC1 | CBA-CAA | 6.52 | 1.52 | 1.33 |
| 38 | 8 | 313 | KC1 | CBA-CAA | 6.52 | 1.52 | 1.33 |
| 39 | 6 | 318 | DD6 | C21-C20 | -6.51 | 1.42 | 1.51 |
| 30 | 12 | 303 | CLA | C3B-C2B | 6.51 | 1.49 | 1.40 |
| 39 | 1 | 310 | DD6 | C30-C31 | 6.51 | 1.54 | 1.42 |
| 38 | 8 | 310 | KC1 | CBA-CAA | 6.51 | 1.52 | 1.33 |
| 38 | 10 | 306 | KC1 | CBA-CAA | 6.51 | 1.52 | 1.33 |
| 37 | 5 | 316 | A86 | C19-C20 | 6.50 | 1.61 | 1.52 |
| 39 | 10 | 313 | DD6 | C30-C31 | 6.49 | 1.54 | 1.42 |
| 38 | 11 | 305 | KC1 | CBA-CAA | 6.49 | 1.52 | 1.33 |
| 39 | 10 | 314 | DD6 | C30-C31 | 6.48 | 1.54 | 1.42 |
| 37 | 8 | 315 | A86 | C19-C20 | 6.48 | 1.61 | 1.52 |
| 30 | F | 202 | CLA | C3B-C2B | 6.48 | 1.49 | 1.40 |
| 39 | 2 | 315 | DD6 | C21-C20 | -6.48 | 1.42 | 1.51 |
| 37 | 14 | 316 | A86 | C19-C20 | 6.47 | 1.61 | 1.52 |
| 37 | 9 | 313 | A86 | C25-C26 | 6.47 | 1.63 | 1.43 |
| 37 | 10 | 316 | A86 | C19-C20 | 6.46 | 1.61 | 1.52 |
| 39 | 2 | 316 | DD6 | C30-C31 | 6.46 | 1.54 | 1.42 |
| 30 | B | 834 | CLA | C3B-C2B | 6.46 | 1.49 | 1.40 |
| 39 | 4 | 313 | DD6 | C30-C31 | 6.45 | 1.54 | 1.42 |
| 39 | 3 | 313 | DD6 | C30-C31 | 6.45 | 1.54 | 1.42 |
| 30 | A | 826 | CLA | C3B-C2B | 6.45 | 1.49 | 1.40 |
| 38 | 8 | 314 | KC1 | CBA-CAA | 6.44 | 1.52 | 1.33 |
| 39 | 7 | 318 | DD6 | C30-C31 | 6.43 | 1.54 | 1.42 |
| 39 | 6 | 321 | DD6 | C30-C31 | 6.41 | 1.54 | 1.42 |
| 37 | 8 | 315 | A86 | C25-C26 | 6.41 | 1.63 | 1.43 |
| 39 | 6 | 319 | DD6 | C30-C31 | 6.40 | 1.54 | 1.42 |
| 37 | 5 | 301 | A86 | C19-C20 | 6.39 | 1.61 | 1.52 |
| 37 | 2 | 319 | A86 | C25-C26 | 6.39 | 1.63 | 1.43 |
| 39 | 3 | 312 | DD6 | C21-C20 | -6.39 | 1.42 | 1.51 |
| 37 | 4 | 317 | A86 | C19-C20 | 6.38 | 1.61 | 1.52 |
| 37 | 10 | 302 | A86 | C19-C20 | 6.37 | 1.61 | 1.52 |
| 30 | A | 838 | CLA | C3B-C2B | 6.37 | 1.49 | 1.40 |
| 30 | 5 | 307 | CLA | C3B-C2B | 6.36 | 1.49 | 1.40 |
| 30 | 2 | 310 | CLA | C3B-C2B | 6.36 | 1.49 | 1.40 |
| 38 | 6 | 313 | KC1 | CBA-CAA | 6.36 | 1.52 | 1.33 |
| 39 | 6 | 318 | DD6 | C30-C31 | 6.35 | 1.54 | 1.42 |
| 37 | 7 | 316 | A86 | C25-C26 | 6.35 | 1.62 | 1.43 |
| 39 | 11 | 313 | DD6 | C30-C31 | 6.35 | 1.54 | 1.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 320 | A86 | C19-C20 | 6.33 | 1.61 | 1.52 |
| 39 | 10 | 313 | DD6 | C21-C20 | -6.33 | 1.42 | 1.51 |
| 39 | 8 | 316 | DD6 | C30-C31 | 6.32 | 1.54 | 1.42 |
| 39 | 7 | 314 | DD6 | C13-C14 | 6.32 | 1.46 | 1.32 |
| 37 | 2 | 318 | A86 | C19-C20 | 6.31 | 1.61 | 1.52 |
| 37 | 7 | 316 | A86 | C8-C6 | 6.30 | 1.59 | 1.46 |
| 37 | 7 | 316 | A86 | C19-C20 | 6.30 | 1.61 | 1.52 |
| 37 | 3 | 314 | A86 | C19-C20 | 6.30 | 1.61 | 1.52 |
| 39 | 4 | 316 | DD6 | C21-C20 | -6.29 | 1.42 | 1.51 |
| 30 | A | 813 | CLA | C3B-C2B | 6.29 | 1.48 | 1.40 |
| 30 | 7 | 305 | CLA | C3B-C2B | 6.28 | 1.48 | 1.40 |
| 37 | 2u | 205 | A86 | C19-C20 | 6.27 | 1.61 | 1.52 |
| 30 | B | 812 | CLA | C3B-C2B | 6.27 | 1.48 | 1.40 |
| 30 | A | 806 | CLA | C3B-C2B | 6.25 | 1.48 | 1.40 |
| 39 | 16 | 313 | DD6 | C13-C14 | 6.25 | 1.46 | 1.32 |
| 39 | 12 | 317 | DD6 | C30-C31 | 6.24 | 1.54 | 1.42 |
| 39 | 12 | 317 | DD6 | C21-C20 | -6.24 | 1.42 | 1.51 |
| 39 | 6 | 303 | DD6 | C21-C20 | -6.23 | 1.42 | 1.51 |
| 30 | B | 814 | CLA | C3B-C2B | 6.21 | 1.48 | 1.40 |
| 37 | 2 | 319 | A86 | C19-C20 | 6.20 | 1.60 | 1.52 |
| 39 | 5 | 314 | DD6 | C30-C31 | 6.20 | 1.54 | 1.42 |
| 30 | 6 | 305 | CLA | C3B-C2B | 6.19 | 1.48 | 1.40 |
| 30 | 11 | 309 | CLA | C3B-C2B | 6.19 | 1.48 | 1.40 |
| 30 | 15 | 306 | CLA | C3B-C2B | 6.18 | 1.48 | 1.40 |
| 30 | 15 | 309 | CLA | C3B-C2B | 6.16 | 1.48 | 1.40 |
| 37 | 7 | 315 | A86 | C19-C20 | 6.16 | 1.60 | 1.52 |
| 30 | 4 | 309 | CLA | C3B-C2B | 6.15 | 1.48 | 1.40 |
| 39 | 8 | 316 | DD6 | C13-C14 | 6.14 | 1.46 | 1.32 |
| 37 | 11 | 315 | A86 | C19-C20 | 6.14 | 1.60 | 1.52 |
| 30 | 8 | 301 | CLA | C3B-C2B | 6.13 | 1.48 | 1.40 |
| 30 | 2 | 304 | CLA | C3B-C2B | 6.12 | 1.48 | 1.40 |
| 30 | 11 | 310 | CLA | C3B-C2B | 6.12 | 1.48 | 1.40 |
| 39 | 13 | 314 | DD6 | C21-C20 | -6.11 | 1.42 | 1.51 |
| 30 | 13 | 307 | CLA | C3B-C2B | 6.11 | 1.48 | 1.40 |
| 30 | 9 | 303 | CLA | C3B-C2B | 6.10 | 1.48 | 1.40 |
| 39 | 7 | 314 | DD6 | C30-C31 | 6.09 | 1.53 | 1.42 |
| 30 | 16 | 307 | CLA | C3B-C2B | 6.07 | 1.48 | 1.40 |
| 38 | 3 | 311 | KC1 | O2A-CGA | 6.07 | 1.46 | 1.30 |
| 38 | 1 | 308 | KC1 | O2A-CGA | 6.07 | 1.45 | 1.30 |
| 38 | 12 | 313 | KC1 | C4A-C3A | 6.07 | 1.56 | 1.44 |
| 38 | 8 | 313 | KC1 | O2A-CGA | 6.06 | 1.45 | 1.30 |
| 38 | 13 | 312 | KC1 | O2A-CGA | 6.06 | 1.45 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 2 | 306 | KC1 | O2A-CGA | 6.05 | 1.45 | 1.30 |
| 30 | B | 826 | CLA | C3B-C2B | 6.05 | 1.48 | 1.40 |
| 30 | 12 | 304 | CLA | C3B-C2B | 6.05 | 1.48 | 1.40 |
| 37 | 10 | 301 | A86 | C19-C20 | 6.05 | 1.60 | 1.52 |
| 38 | 2 | 312 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 38 | 9 | 304 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 30 | 13 | 304 | CLA | C3B-C2B | 6.04 | 1.48 | 1.40 |
| 38 | 5 | 306 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 38 | 5 | 305 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 38 | 5 | 312 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 30 | 12 | 308 | CLA | C3B-C2B | 6.04 | 1.48 | 1.40 |
| 30 | 7 | 312 | CLA | C3B-C2B | 6.04 | 1.48 | 1.40 |
| 38 | 12 | 311 | KC1 | O2A-CGA | 6.04 | 1.45 | 1.30 |
| 38 | 6 | 308 | KC1 | O2A-CGA | 6.03 | 1.45 | 1.30 |
| 30 | B | 804 | CLA | C3B-C2B | 6.03 | 1.48 | 1.40 |
| 30 | B | 802 | CLA | C3B-C2B | 6.03 | 1.48 | 1.40 |
| 30 | 7 | 305 | CLA | OBD-CAD | 6.02 | 1.32 | 1.22 |
| 38 | 4 | 308 | KC1 | O2A-CGA | 6.02 | 1.45 | 1.30 |
| 38 | 9 | 312 | KC1 | O2A-CGA | 6.02 | 1.45 | 1.30 |
| 38 | 11 | 311 | KC1 | O2A-CGA | 6.02 | 1.45 | 1.30 |
| 30 | 3 | 307 | CLA | C3B-C2B | 6.01 | 1.48 | 1.40 |
| 38 | 14 | 311 | KC1 | O2A-CGA | 6.01 | 1.45 | 1.30 |
| 38 | 5 | 310 | KC1 | O2A-CGA | 6.01 | 1.45 | 1.30 |
| 38 | 8 | 310 | KC1 | O2A-CGA | 6.01 | 1.45 | 1.30 |
| 38 | 10 | 306 | KC1 | O2A-CGA | 6.01 | 1.45 | 1.30 |
| 38 | 11 | 307 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 16 | 311 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 12 | 309 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 4 | 310 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 14 | 306 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 13 | 308 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 10 | 312 | KC1 | O2A-CGA | 6.00 | 1.45 | 1.30 |
| 38 | 1 | 306 | KC1 | O2A-CGA | 5.99 | 1.45 | 1.30 |
| 30 | B | 811 | CLA | C3B-C2B | 5.99 | 1.48 | 1.40 |
| 30 | A | 844 | CLA | C3B-C2B | 5.99 | 1.48 | 1.40 |
| 38 | 13 | 305 | KC1 | O2A-CGA | 5.99 | 1.45 | 1.30 |
| 30 | 6 | 317 | CLA | C3B-C2B | 5.99 | 1.48 | 1.40 |
| 38 | 13 | 306 | KC1 | O2A-CGA | 5.99 | 1.45 | 1.30 |
| 38 | 16 | 304 | KC1 | O2A-CGA | 5.99 | 1.45 | 1.30 |
| 30 | 9 | 306 | CLA | C3B-C2B | 5.98 | 1.48 | 1.40 |
| 30 | 14 | 304 | CLA | C3B-C2B | 5.98 | 1.48 | 1.40 |
| 38 | 11 | 305 | KC1 | O2A-CGA | 5.98 | 1.45 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 12 | 305 | KC1 | O2A-CGA | 5.98 | 1.45 | 1.30 |
| 38 | 2 | 314 | KC1 | O2A-CGA | 5.98 | 1.45 | 1.30 |
| 30 | B | 828 | CLA | C3B-C2B | 5.98 | 1.48 | 1.40 |
| 38 | 9 | 311 | KC1 | O2A-CGA | 5.98 | 1.45 | 1.30 |
| 30 | 16 | 310 | CLA | C3B-C2B | 5.98 | 1.48 | 1.40 |
| 30 | A | 829 | CLA | C3B-C2B | 5.97 | 1.48 | 1.40 |
| 38 | 13 | 310 | KC1 | O2A-CGA | 5.97 | 1.45 | 1.30 |
| 38 | 4 | 307 | KC1 | O2A-CGA | 5.97 | 1.45 | 1.30 |
| 38 | 10 | 310 | KC1 | O2A-CGA | 5.96 | 1.45 | 1.30 |
| 38 | 9 | 311 | KC1 | OBD-CAD | 5.96 | 1.30 | 1.22 |
| 38 | 3 | 304 | KC1 | O2A-CGA | 5.96 | 1.45 | 1.30 |
| 38 | 8 | 311 | KC1 | O2A-CGA | 5.96 | 1.45 | 1.30 |
| 38 | 3 | 308 | KC1 | O2A-CGA | 5.96 | 1.45 | 1.30 |
| 30 | 14 | 309 | CLA | C3B-C2B | 5.95 | 1.48 | 1.40 |
| 39 | 13 | 314 | DD6 | C13-C14 | 5.95 | 1.45 | 1.32 |
| 30 | 15 | 311 | CLA | C3B-C2B | 5.95 | 1.48 | 1.40 |
| 30 | A | 809 | CLA | C3B-C2B | 5.95 | 1.48 | 1.40 |
| 38 | 13 | 311 | KC1 | O2A-CGA | 5.95 | 1.45 | 1.30 |
| 30 | A | 805 | CLA | C3B-C2B | 5.95 | 1.48 | 1.40 |
| 30 | B | 825 | CLA | C3B-C2B | 5.94 | 1.48 | 1.40 |
| 37 | 9 | 315 | A86 | C19-C20 | 5.94 | 1.60 | 1.52 |
| 30 | 10 | 311 | CLA | C3B-C2B | 5.94 | 1.48 | 1.40 |
| 38 | 6 | 313 | KC1 | O2A-CGA | 5.94 | 1.45 | 1.30 |
| 30 | 13 | 303 | CLA | C3B-C2B | 5.94 | 1.48 | 1.40 |
| 30 | 10 | 309 | CLA | C3B-C2B | 5.94 | 1.48 | 1.40 |
| 38 | 6 | 311 | KC1 | O2A-CGA | 5.94 | 1.45 | 1.30 |
| 30 | 14 | 313 | CLA | C3B-C2B | 5.93 | 1.48 | 1.40 |
| 30 | 2 | 313 | CLA | C3B-C2B | 5.92 | 1.48 | 1.40 |
| 30 | 16 | 309 | CLA | C3B-C2B | 5.92 | 1.48 | 1.40 |
| 30 | 12 | 312 | CLA | C3B-C2B | 5.92 | 1.48 | 1.40 |
| 30 | 16 | 306 | CLA | C3B-C2B | 5.92 | 1.48 | 1.40 |
| 30 | 15 | 307 | CLA | C3B-C2B | 5.91 | 1.48 | 1.40 |
| 30 | 3 | 309 | CLA | C3B-C2B | 5.91 | 1.48 | 1.40 |
| 30 | 15 | 305 | CLA | C3B-C2B | 5.91 | 1.48 | 1.40 |
| 30 | B | 820 | CLA | C3B-C2B | 5.90 | 1.48 | 1.40 |
| 38 | 12 | 313 | KC1 | O2A-CGA | 5.90 | 1.45 | 1.30 |
| 30 | A | 823 | CLA | C3B-C2B | 5.89 | 1.48 | 1.40 |
| 30 | 15 | 313 | CLA | C3B-C2B | 5.89 | 1.48 | 1.40 |
| 38 | 8 | 307 | KC1 | O2A-CGA | 5.89 | 1.45 | 1.30 |
| 38 | 9 | 310 | KC1 | O2A-CGA | 5.89 | 1.45 | 1.30 |
| 30 | 16 | 308 | CLA | C3B-C2B | 5.88 | 1.48 | 1.40 |
| 30 | 6 | 315 | CLA | C3B-C2B | 5.88 | 1.48 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 6 | 316 | CLA | C3B-C2B | 5.88 | 1.48 | 1.40 |
| 38 | 6 | 312 | KC1 | O2A-CGA | 5.87 | 1.45 | 1.30 |
| 38 | 8 | 306 | KC1 | O2A-CGA | 5.87 | 1.45 | 1.30 |
| 39 | 10 | 313 | DD6 | C13-C14 | 5.87 | 1.45 | 1.32 |
| 30 | 1 | 307 | CLA | C3B-C2B | 5.86 | 1.48 | 1.40 |
| 30 | 1 | 305 | CLA | C3B-C2B | 5.85 | 1.48 | 1.40 |
| 30 | B | 820 | CLA | C3C-C2C | 5.85 | 1.49 | 1.36 |
| 38 | 7 | 308 | KC1 | O2A-CGA | 5.85 | 1.45 | 1.30 |
| 30 | 5 | 311 | CLA | C3B-C2B | 5.85 | 1.48 | 1.40 |
| 38 | 5 | 312 | KC1 | C3D-C2D | 5.85 | 1.49 | 1.39 |
| 30 | 9 | 302 | CLA | C3B-C2B | 5.84 | 1.48 | 1.40 |
| 38 | 7 | 313 | KC1 | O2A-CGA | 5.84 | 1.45 | 1.30 |
| 38 | 8 | 312 | KC1 | O2A-CGA | 5.83 | 1.45 | 1.30 |
| 39 | 4 | 313 | DD6 | C13-C14 | 5.83 | 1.45 | 1.32 |
| 30 | A | 828 | CLA | C3B-C2B | 5.83 | 1.48 | 1.40 |
| 30 | 14 | 307 | CLA | C3B-C2B | 5.83 | 1.48 | 1.40 |
| 30 | A | 803 | CLA | C3B-C2B | 5.83 | 1.48 | 1.40 |
| 30 | 2 | 309 | CLA | C3B-C2B | 5.83 | 1.48 | 1.40 |
| 30 | 12 | 321 | CLA | C3B-C2B | 5.82 | 1.48 | 1.40 |
| 30 | 14 | 310 | CLA | C3B-C2B | 5.82 | 1.48 | 1.40 |
| 30 | 5 | 309 | CLA | C3B-C2B | 5.82 | 1.48 | 1.40 |
| 30 | 14 | 303 | CLA | C3B-C2B | 5.81 | 1.48 | 1.40 |
| 30 | 6 | 310 | CLA | C3B-C2B | 5.81 | 1.48 | 1.40 |
| 30 | 9 | 305 | CLA | C3B-C2B | 5.80 | 1.48 | 1.40 |
| 30 | 12 | 307 | CLA | C3B-C2B | 5.80 | 1.48 | 1.40 |
| 30 | A | 815 | CLA | C3B-C2B | 5.79 | 1.48 | 1.40 |
| 30 | 13 | 309 | CLA | C3B-C2B | 5.79 | 1.48 | 1.40 |
| 30 | 15 | 304 | CLA | C3B-C2B | 5.79 | 1.48 | 1.40 |
| 38 | 4 | 308 | KC1 | C3B-C2B | 5.78 | 1.48 | 1.37 |
| 30 | B | 813 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 30 | 7 | 306 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 38 | 8 | 314 | KC1 | O2A-CGA | 5.78 | 1.45 | 1.30 |
| 38 | 1 | 308 | KC1 | C3D-C2D | 5.78 | 1.49 | 1.39 |
| 30 | 13 | 302 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 30 | 16 | 302 | CLA | C3B-C2B | 5.78 | 1.48 | 1.40 |
| 38 | 14 | 308 | KC1 | O2A-CGA | 5.78 | 1.45 | 1.30 |
| 38 | 14 | 306 | KC1 | C3D-C2D | 5.78 | 1.49 | 1.39 |
| 30 | 1 | 303 | CLA | C3B-C2B | 5.77 | 1.48 | 1.40 |
| 39 | 12 | 317 | DD6 | C13-C14 | 5.77 | 1.45 | 1.32 |
| 38 | 11 | 312 | KC1 | O2A-CGA | 5.76 | 1.45 | 1.30 |
| 30 | B | 805 | CLA | C3B-C2B | 5.76 | 1.48 | 1.40 |
| 30 | A | 819 | CLA | C3B-C2B | 5.76 | 1.48 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | J | 101 | CLA | C3B-C2B | 5.76 | 1.48 | 1.40 |
| 30 | 16 | 305 | CLA | C3B-C2B | 5.76 | 1.48 | 1.40 |
| 30 | 3 | 302 | CLA | C3B-C2B | 5.76 | 1.48 | 1.40 |
| 30 | 3 | 305 | CLA | C3B-C2B | 5.75 | 1.48 | 1.40 |
| 30 | 2 | 301 | CLA | C3B-C2B | 5.75 | 1.48 | 1.40 |
| 30 | 11 | 304 | CLA | C3B-C2B | 5.75 | 1.48 | 1.40 |
| 30 | L | 202 | CLA | C3B-C2B | 5.75 | 1.48 | 1.40 |
| 30 | 5 | 304 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 30 | 8 | 309 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 30 | 12 | 302 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 30 | 10 | 304 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 39 | 15 | 319 | DD6 | C13-C14 | 5.74 | 1.45 | 1.32 |
| 30 | F | 203 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 30 | 14 | 312 | CLA | C3B-C2B | 5.74 | 1.48 | 1.40 |
| 38 | 11 | 311 | KC1 | C3D-C2D | 5.74 | 1.49 | 1.39 |
| 39 | 15 | 318 | DD6 | C13-C14 | 5.74 | 1.45 | 1.32 |
| 38 | 9 | 311 | KC1 | C3D-C2D | 5.72 | 1.49 | 1.39 |
| 30 | 1 | 302 | CLA | C3B-C2B | 5.72 | 1.48 | 1.40 |
| 30 | 14 | 302 | CLA | C3B-C2B | 5.72 | 1.48 | 1.40 |
| 30 | 15 | 303 | CLA | C3B-C2B | 5.71 | 1.48 | 1.40 |
| 37 | 6 | 320 | A86 | C19-C20 | 5.71 | 1.60 | 1.52 |
| 30 | B | 820 | CLA | CHC-C1C | 5.70 | 1.48 | 1.34 |
| 30 | 6 | 306 | CLA | C3B-C2B | 5.70 | 1.48 | 1.40 |
| 30 | B | 810 | CLA | C3B-C2B | 5.69 | 1.48 | 1.40 |
| 38 | 10 | 310 | KC1 | C3D-C2D | 5.69 | 1.49 | 1.39 |
| 30 | A | 842 | CLA | C3B-C2B | 5.68 | 1.48 | 1.40 |
| 30 | 2 | 305 | CLA | C3B-C2B | 5.68 | 1.48 | 1.40 |
| 38 | 13 | 310 | KC1 | C3D-C2D | 5.67 | 1.49 | 1.39 |
| 30 | A | 810 | CLA | C3B-C2B | 5.67 | 1.48 | 1.40 |
| 38 | 4 | 307 | KC1 | C3D-C2D | 5.67 | 1.49 | 1.39 |
| 30 | 5 | 308 | CLA | C3B-C2B | 5.66 | 1.48 | 1.40 |
| 39 | 7 | 318 | DD6 | C13-C14 | 5.66 | 1.45 | 1.32 |
| 38 | 13 | 312 | KC1 | C3D-C2D | 5.66 | 1.49 | 1.39 |
| 38 | 11 | 311 | KC1 | C3B-C2B | 5.66 | 1.48 | 1.37 |
| 38 | 13 | 305 | KC1 | C3D-C2D | 5.66 | 1.49 | 1.39 |
| 30 | 3 | 303 | CLA | C3B-C2B | 5.66 | 1.48 | 1.40 |
| 30 | 1 | 304 | CLA | C3B-C2B | 5.66 | 1.48 | 1.40 |
| 30 | 16 | 303 | CLA | C3B-C2B | 5.65 | 1.48 | 1.40 |
| 30 | 11 | 306 | CLA | CHC-C1C | 5.65 | 1.48 | 1.34 |
| 30 | A | 817 | CLA | C3B-C2B | 5.65 | 1.48 | 1.40 |
| 30 | 15 | 302 | CLA | CHC-C1C | 5.65 | 1.48 | 1.34 |
| 38 | 11 | 307 | KC1 | C3D-C2D | 5.64 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 5 | 304 | CLA | OBD-CAD | 5.64 | 1.32 | 1.22 |
| 30 | B | 832 | CLA | C3B-C2B | 5.64 | 1.48 | 1.40 |
| 38 | 13 | 306 | KC1 | C3B-C2B | 5.63 | 1.48 | 1.37 |
| 30 | 4 | 306 | CLA | C3B-C2B | 5.63 | 1.48 | 1.40 |
| 30 | 11 | 306 | CLA | C3B-C2B | 5.63 | 1.48 | 1.40 |
| 30 | 15 | 302 | CLA | C3B-C2B | 5.63 | 1.48 | 1.40 |
| 38 | 7 | 308 | KC1 | C3D-C2D | 5.62 | 1.49 | 1.39 |
| 38 | 16 | 304 | KC1 | CHD-C4C | 5.62 | 1.48 | 1.34 |
| 30 | 11 | 308 | CLA | C3B-C2B | 5.62 | 1.48 | 1.40 |
| 38 | 6 | 313 | KC1 | C3D-C2D | 5.62 | 1.49 | 1.39 |
| 30 | A | 837 | CLA | C3B-C2B | 5.62 | 1.48 | 1.40 |
| 38 | 14 | 308 | KC1 | C3D-C2D | 5.62 | 1.49 | 1.39 |
| 38 | 13 | 308 | KC1 | C3D-C2D | 5.61 | 1.49 | 1.39 |
| 30 | 12 | 306 | CLA | C3B-C2B | 5.61 | 1.48 | 1.40 |
| 30 | 13 | 301 | CLA | C3B-C2B | 5.61 | 1.48 | 1.40 |
| 38 | 13 | 312 | KC1 | CHD-C4C | 5.61 | 1.48 | 1.34 |
| 39 | 2 | 315 | DD6 | C13-C14 | 5.61 | 1.45 | 1.32 |
| 38 | 13 | 311 | KC1 | C3D-C2D | 5.60 | 1.49 | 1.39 |
| 30 | 2 | 308 | CLA | CHC-C1C | 5.60 | 1.48 | 1.34 |
| 38 | 4 | 310 | KC1 | C3D-C2D | 5.60 | 1.49 | 1.39 |
| 38 | 3 | 311 | KC1 | CHD-C4C | 5.60 | 1.48 | 1.34 |
| 38 | 14 | 306 | KC1 | CHD-C4C | 5.60 | 1.48 | 1.34 |
| 30 | B | 837 | CLA | C3B-C2B | 5.60 | 1.48 | 1.40 |
| 30 | B | 823 | CLA | C3B-C2B | 5.60 | 1.47 | 1.40 |
| 30 | 2 | 311 | CLA | C3B-C2B | 5.59 | 1.47 | 1.40 |
| 30 | 15 | 308 | CLA | CHC-C1C | 5.59 | 1.48 | 1.34 |
| 38 | 12 | 309 | KC1 | C3B-C2B | 5.59 | 1.48 | 1.37 |
| 30 | A | 804 | CLA | C3B-C2B | 5.59 | 1.47 | 1.40 |
| 38 | 13 | 308 | KC1 | C3B-C2B | 5.59 | 1.48 | 1.37 |
| 39 | 6 | 319 | DD6 | C13-C14 | 5.58 | 1.45 | 1.32 |
| 38 | 5 | 306 | KC1 | CHD-C4C | 5.58 | 1.48 | 1.34 |
| 30 | 11 | 304 | CLA | CHC-C1C | 5.58 | 1.48 | 1.34 |
| 30 | B | 831 | CLA | C3B-C2B | 5.58 | 1.47 | 1.40 |
| 30 | 9 | 308 | CLA | C3B-C2B | 5.58 | 1.47 | 1.40 |
| 38 | 14 | 308 | KC1 | C3C-C2C | 5.58 | 1.48 | 1.36 |
| 30 | 10 | 303 | CLA | C3B-C2B | 5.57 | 1.47 | 1.40 |
| 30 | 3 | 307 | CLA | C3C-C2C | 5.57 | 1.48 | 1.36 |
| 30 | 15 | 314 | CLA | C3B-C2B | 5.57 | 1.47 | 1.40 |
| 38 | 4 | 307 | KC1 | CHD-C4C | 5.57 | 1.48 | 1.34 |
| 30 | 14 | 302 | CLA | CHC-C1C | 5.57 | 1.48 | 1.34 |
| 38 | 13 | 308 | KC1 | CHD-C4C | 5.57 | 1.48 | 1.34 |
| 38 | 6 | 308 | KC1 | C3D-C2D | 5.57 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 2 | 308 | CLA | C3B-C2B | 5.57 | 1.47 | 1.40 |
| 30 | A | 824 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | 3 | 301 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | 15 | 312 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | B | 827 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | 4 | 302 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | B | 824 | CLA | C3B-C2B | 5.56 | 1.47 | 1.40 |
| 30 | 6 | 309 | CLA | C3B-C2B | 5.55 | 1.47 | 1.40 |
| 30 | A | 802 | CLA | C3B-C2B | 5.55 | 1.47 | 1.40 |
| 38 | 2 | 314 | KC1 | C3B-C2B | 5.55 | 1.48 | 1.37 |
| 38 | 10 | 312 | KC1 | C3D-C2D | 5.55 | 1.49 | 1.39 |
| 38 | 11 | 305 | KC1 | CHD-C4C | 5.55 | 1.48 | 1.34 |
| 30 | 7 | 307 | CLA | C3B-C2B | 5.55 | 1.47 | 1.40 |
| 38 | 11 | 307 | KC1 | CHD-C4C | 5.55 | 1.48 | 1.34 |
| 30 | A | 805 | CLA | CHC-C1C | 5.55 | 1.48 | 1.34 |
| 30 | 1 | 304 | CLA | CHC-C1C | 5.55 | 1.48 | 1.34 |
| 38 | 1 | 306 | KC1 | C3D-C2D | 5.55 | 1.49 | 1.39 |
| 38 | 4 | 310 | KC1 | CHD-C4C | 5.55 | 1.48 | 1.34 |
| 30 | 4 | 301 | CLA | C3B-C2B | 5.55 | 1.47 | 1.40 |
| 30 | B | 816 | CLA | C3B-C2B | 5.55 | 1.47 | 1.40 |
| 38 | 10 | 312 | KC1 | CHD-C4C | 5.55 | 1.48 | 1.34 |
| 30 | 15 | 309 | CLA | CHC-C1C | 5.54 | 1.48 | 1.34 |
| 38 | 9 | 310 | KC1 | C3D-C2D | 5.54 | 1.49 | 1.39 |
| 30 | A | 811 | CLA | C3B-C2B | 5.54 | 1.47 | 1.40 |
| 38 | 2 | 312 | KC1 | C3B-C2B | 5.54 | 1.48 | 1.37 |
| 38 | 6 | 311 | KC1 | C3D-C2D | 5.54 | 1.49 | 1.39 |
| 30 | A | 808 | CLA | C3B-C2B | 5.53 | 1.47 | 1.40 |
| 38 | 10 | 312 | KC1 | C3B-C2B | 5.53 | 1.48 | 1.37 |
| 38 | 13 | 312 | KC1 | C3B-C2B | 5.53 | 1.48 | 1.37 |
| 30 | B | 836 | CLA | C3B-C2B | 5.53 | 1.47 | 1.40 |
| 30 | 16 | 301 | CLA | C3B-C2B | 5.53 | 1.47 | 1.40 |
| 30 | A | 831 | CLA | C3B-C2B | 5.53 | 1.47 | 1.40 |
| 38 | 13 | 311 | KC1 | CHD-C4C | 5.53 | 1.48 | 1.34 |
| 30 | 9 | 307 | CLA | C3B-C2B | 5.53 | 1.47 | 1.40 |
| 38 | 9 | 304 | KC1 | CHD-C4C | 5.53 | 1.48 | 1.34 |
| 38 | 2 | 306 | KC1 | CHD-C4C | 5.52 | 1.48 | 1.34 |
| 30 | 16 | 303 | CLA | CHC-C1C | 5.52 | 1.48 | 1.34 |
| 38 | 9 | 311 | KC1 | CHD-C4C | 5.52 | 1.48 | 1.34 |
| 30 | 12 | 310 | CLA | C3B-C2B | 5.52 | 1.47 | 1.40 |
| 38 | 16 | 304 | KC1 | C3B-C2B | 5.52 | 1.48 | 1.37 |
| 38 | 12 | 305 | KC1 | C3D-C2D | 5.52 | 1.49 | 1.39 |
| 30 | A | 840 | CLA | C3B-C2B | 5.52 | 1.47 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 2 | 306 | KC1 | C3D-C2D | 5.51 | 1.49 | 1.39 |
| 30 | 14 | 305 | CLA | C3B-C2B | 5.51 | 1.47 | 1.40 |
| 30 | A | 827 | CLA | C3B-C2B | 5.51 | 1.47 | 1.40 |
| 38 | 12 | 311 | KC1 | C3D-C2D | 5.51 | 1.49 | 1.39 |
| 38 | 2 | 314 | KC1 | C3D-C2D | 5.51 | 1.49 | 1.39 |
| 38 | 11 | 307 | KC1 | C3B-C2B | 5.50 | 1.48 | 1.37 |
| 38 | 11 | 311 | KC1 | CHD-C4C | 5.50 | 1.48 | 1.34 |
| 38 | 2 | 312 | KC1 | C3D-C2D | 5.50 | 1.49 | 1.39 |
| 38 | 13 | 305 | KC1 | C3B-C2B | 5.50 | 1.48 | 1.37 |
| 30 | 5 | 303 | CLA | C3B-C2B | 5.50 | 1.47 | 1.40 |
| 38 | 1 | 306 | KC1 | CHD-C4C | 5.50 | 1.48 | 1.34 |
| 38 | 13 | 310 | KC1 | CHD-C4C | 5.50 | 1.48 | 1.34 |
| 38 | 9 | 312 | KC1 | CHD-C4C | 5.50 | 1.48 | 1.34 |
| 38 | 2 | 306 | KC1 | C3B-C2B | 5.50 | 1.48 | 1.37 |
| 38 | 13 | 305 | KC1 | CHD-C4C | 5.49 | 1.48 | 1.34 |
| 38 | 8 | 307 | KC1 | C3D-C2D | 5.49 | 1.49 | 1.39 |
| 30 | B | 817 | CLA | C3B-C2B | 5.49 | 1.47 | 1.40 |
| 38 | 11 | 305 | KC1 | C3B-C2B | 5.49 | 1.48 | 1.37 |
| 38 | 5 | 306 | KC1 | C3B-C2B | 5.49 | 1.48 | 1.37 |
| 30 | B | 803 | CLA | C3B-C2B | 5.49 | 1.47 | 1.40 |
| 38 | 4 | 308 | KC1 | CHD-C4C | 5.49 | 1.48 | 1.34 |
| 38 | 5 | 305 | KC1 | CHD-C4C | 5.49 | 1.48 | 1.34 |
| 38 | 3 | 304 | KC1 | C3B-C2B | 5.49 | 1.48 | 1.37 |
| 30 | B | 806 | CLA | C3B-C2B | 5.49 | 1.47 | 1.40 |
| 30 | A | 833 | CLA | C3B-C2B | 5.49 | 1.47 | 1.40 |
| 30 | 3 | 306 | CLA | CHC-C1C | 5.49 | 1.48 | 1.34 |
| 39 | 7 | 302 | DD6 | C13-C14 | 5.49 | 1.44 | 1.32 |
| 30 | 4 | 304 | CLA | CHC-C1C | 5.48 | 1.48 | 1.34 |
| 38 | 16 | 311 | KC1 | CHD-C4C | 5.48 | 1.48 | 1.34 |
| 30 | F | 201 | CLA | C3B-C2B | 5.48 | 1.47 | 1.40 |
| 38 | 2 | 314 | KC1 | CHD-C4C | 5.48 | 1.48 | 1.34 |
| 38 | 12 | 305 | KC1 | C3B-C2B | 5.48 | 1.48 | 1.37 |
| 38 | 7 | 313 | KC1 | CHD-C4C | 5.48 | 1.48 | 1.34 |
| 39 | 7 | 317 | DD6 | C13-C14 | 5.48 | 1.44 | 1.32 |
| 38 | 5 | 306 | KC1 | C3D-C2D | 5.48 | 1.49 | 1.39 |
| 38 | 8 | 313 | KC1 | C3D-C2D | 5.48 | 1.49 | 1.39 |
| 38 | 11 | 312 | KC1 | CHD-C4C | 5.47 | 1.48 | 1.34 |
| 30 | B | 829 | CLA | CHC-C1C | 5.47 | 1.48 | 1.34 |
| 38 | 1 | 306 | KC1 | C3B-C2B | 5.47 | 1.48 | 1.37 |
| 38 | 10 | 310 | KC1 | CHD-C4C | 5.47 | 1.48 | 1.34 |
| 38 | 11 | 305 | KC1 | C3D-C2D | 5.47 | 1.49 | 1.39 |
| 38 | 8 | 314 | KC1 | C3D-C2D | 5.46 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 3 | 309 | CLA | CHC-C1C | 5.46 | 1.48 | 1.34 |
| 37 | 2u | 205 | A86 | C9-C8 | 5.46 | 1.48 | 1.34 |
| 30 | B | 839 | CLA | CHC-C1C | 5.46 | 1.48 | 1.34 |
| 38 | 12 | 311 | KC1 | CHD-C4C | 5.46 | 1.48 | 1.34 |
| 38 | 13 | 306 | KC1 | CHD-C4C | 5.46 | 1.48 | 1.34 |
| 38 | 16 | 311 | KC1 | C3B-C2B | 5.46 | 1.48 | 1.37 |
| 38 | 3 | 304 | KC1 | CHD-C4C | 5.46 | 1.48 | 1.34 |
| 38 | 12 | 309 | KC1 | CHD-C4C | 5.46 | 1.48 | 1.34 |
| 38 | 5 | 310 | KC1 | C3D-C2D | 5.46 | 1.49 | 1.39 |
| 30 | 10 | 308 | CLA | C3B-C2B | 5.46 | 1.47 | 1.40 |
| 38 | 12 | 305 | KC1 | CHD-C4C | 5.46 | 1.48 | 1.34 |
| 38 | 9 | 304 | KC1 | C3D-C2D | 5.46 | 1.49 | 1.39 |
| 38 | 12 | 311 | KC1 | C3B-C2B | 5.45 | 1.48 | 1.37 |
| 38 | 2 | 312 | KC1 | CHD-C4C | 5.45 | 1.48 | 1.34 |
| 38 | 8 | 313 | KC1 | C3B-C2B | 5.45 | 1.48 | 1.37 |
| 38 | 3 | 308 | KC1 | C3D-C2D | 5.45 | 1.48 | 1.39 |
| 30 | 8 | 303 | CLA | C3B-C2B | 5.45 | 1.47 | 1.40 |
| 30 | 15 | 304 | CLA | C3C-C2C | 5.45 | 1.48 | 1.36 |
| 30 | 7 | 310 | CLA | CHC-C1C | 5.44 | 1.48 | 1.34 |
| 38 | 8 | 306 | KC1 | CHD-C4C | 5.44 | 1.48 | 1.34 |
| 38 | 8 | 311 | KC1 | CHD-C4C | 5.44 | 1.48 | 1.34 |
| 38 | 6 | 313 | KC1 | C3B-C2B | 5.44 | 1.48 | 1.37 |
| 30 | 10 | 308 | CLA | CHC-C1C | 5.44 | 1.48 | 1.34 |
| 30 | 8 | 308 | CLA | C3B-C2B | 5.44 | 1.47 | 1.40 |
| 30 | 3 | 306 | CLA | C3B-C2B | 5.44 | 1.47 | 1.40 |
| 30 | B | 835 | CLA | CHC-C1C | 5.44 | 1.48 | 1.34 |
| 30 | B | 817 | CLA | CHC-C1C | 5.43 | 1.47 | 1.34 |
| 30 | 11 | 310 | CLA | CHC-C1C | 5.43 | 1.47 | 1.34 |
| 38 | 13 | 306 | KC1 | C3D-C2D | 5.43 | 1.48 | 1.39 |
| 38 | 13 | 310 | KC1 | C3B-C2B | 5.43 | 1.48 | 1.37 |
| 30 | 7 | 303 | CLA | CHC-C1C | 5.43 | 1.47 | 1.34 |
| 30 | 14 | 307 | CLA | CHC-C1C | 5.43 | 1.47 | 1.34 |
| 30 | 4 | 304 | CLA | C3B-C2B | 5.43 | 1.47 | 1.40 |
| 38 | 8 | 314 | KC1 | CHD-C4C | 5.43 | 1.47 | 1.34 |
| 38 | 16 | 311 | KC1 | C3C-C2C | 5.42 | 1.48 | 1.36 |
| 38 | 6 | 312 | KC1 | CHD-C4C | 5.42 | 1.47 | 1.34 |
| 30 | A | 841 | CLA | C3B-C2B | 5.42 | 1.47 | 1.40 |
| 30 | 5 | 302 | CLA | C3B-C2B | 5.42 | 1.47 | 1.40 |
| 30 | 5 | 302 | CLA | CHC-C1C | 5.42 | 1.47 | 1.34 |
| 30 | 2 | 303 | CLA | CHC-C1C | 5.42 | 1.47 | 1.34 |
| 30 | A | 812 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 30 | A | 841 | CLA | CHC-C1C | 5.41 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | A | 814 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 38 | 12 | 309 | KC1 | C3D-C2D | 5.41 | 1.48 | 1.39 |
| 30 | 8 | 304 | CLA | C3B-C2B | 5.41 | 1.47 | 1.40 |
| 39 | 2 | 317 | DD6 | C13-C14 | 5.41 | 1.44 | 1.32 |
| 30 | 9 | 308 | CLA | CHC-C1C | 5.41 | 1.47 | 1.34 |
| 30 | 14 | 313 | CLA | CHC-C1C | 5.41 | 1.47 | 1.34 |
| 30 | 10 | 303 | CLA | CHC-C1C | 5.40 | 1.47 | 1.34 |
| 30 | 3 | 303 | CLA | OBD-CAD | 5.40 | 1.31 | 1.22 |
| 30 | 16 | 301 | CLA | CHC-C1C | 5.40 | 1.47 | 1.34 |
| 38 | 9 | 310 | KC1 | CHD-C4C | 5.40 | 1.47 | 1.34 |
| 38 | 8 | 307 | KC1 | CHD-C4C | 5.40 | 1.47 | 1.34 |
| 30 | 1 | 303 | CLA | CHC-C1C | 5.40 | 1.47 | 1.34 |
| 30 | A | 807 | CLA | C3B-C2B | 5.40 | 1.47 | 1.40 |
| 38 | 8 | 312 | KC1 | C3B-C2B | 5.40 | 1.48 | 1.37 |
| 30 | 15 | 304 | CLA | CHC-C1C | 5.40 | 1.47 | 1.34 |
| 38 | 16 | 311 | KC1 | C3D-C2D | 5.39 | 1.48 | 1.39 |
| 30 | 3 | 303 | CLA | CHC-C1C | 5.39 | 1.47 | 1.34 |
| 38 | 3 | 308 | KC1 | CHD-C4C | 5.39 | 1.47 | 1.34 |
| 30 | A | 818 | CLA | C3B-C2B | 5.39 | 1.47 | 1.40 |
| 38 | 3 | 311 | KC1 | C3B-C2B | 5.39 | 1.48 | 1.37 |
| 30 | B | 835 | CLA | C3B-C2B | 5.39 | 1.47 | 1.40 |
| 38 | 14 | 311 | KC1 | CHD-C4C | 5.39 | 1.47 | 1.34 |
| 30 | A | 839 | CLA | C3B-C2B | 5.39 | 1.47 | 1.40 |
| 30 | 6 | 306 | CLA | CHC-C1C | 5.39 | 1.47 | 1.34 |
| 30 | B | 830 | CLA | CHC-C1C | 5.39 | 1.47 | 1.34 |
| 38 | 5 | 305 | KC1 | C3D-C2D | 5.39 | 1.48 | 1.39 |
| 38 | 7 | 308 | KC1 | C3B-C2B | 5.39 | 1.48 | 1.37 |
| 38 | 13 | 311 | KC1 | C3B-C2B | 5.39 | 1.48 | 1.37 |
| 38 | 14 | 308 | KC1 | C3B-C2B | 5.38 | 1.48 | 1.37 |
| 30 | 13 | 309 | CLA | CHC-C1C | 5.38 | 1.47 | 1.34 |
| 38 | 5 | 310 | KC1 | CHD-C4C | 5.38 | 1.47 | 1.34 |
| 30 | B | 815 | CLA | C3B-C2B | 5.38 | 1.47 | 1.40 |
| 38 | 5 | 310 | KC1 | C3B-C2B | 5.38 | 1.48 | 1.37 |
| 38 | 4 | 307 | KC1 | C3B-C2B | 5.38 | 1.48 | 1.37 |
| 30 | 2 | 313 | CLA | CHC-C1C | 5.38 | 1.47 | 1.34 |
| 38 | 1 | 308 | KC1 | CHD-C4C | 5.38 | 1.47 | 1.34 |
| 30 | B | 830 | CLA | C3B-C2B | 5.38 | 1.47 | 1.40 |
| 30 | B | 806 | CLA | CHC-C1C | 5.38 | 1.47 | 1.34 |
| 30 | 4 | 306 | CLA | CHC-C1C | 5.38 | 1.47 | 1.34 |
| 30 | A | 834 | CLA | C3B-C2B | 5.37 | 1.47 | 1.40 |
| 30 | 14 | 303 | CLA | CHC-C1C | 5.37 | 1.47 | 1.34 |
| 38 | 14 | 308 | KC1 | CHD-C4C | 5.37 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 7 | 311 | CLA | C3B-C2B | 5.37 | 1.47 | 1.40 |
| 30 | 15 | 310 | CLA | CHC-C1C | 5.37 | 1.47 | 1.34 |
| 30 | 4 | 311 | CLA | C3B-C2B | 5.37 | 1.47 | 1.40 |
| 30 | 11 | 310 | CLA | C3C-C2C | 5.37 | 1.48 | 1.36 |
| 38 | 10 | 306 | KC1 | C3B-C2B | 5.37 | 1.48 | 1.37 |
| 38 | 10 | 310 | KC1 | C3B-C2B | 5.37 | 1.48 | 1.37 |
| 38 | 4 | 308 | KC1 | C3D-C2D | 5.37 | 1.48 | 1.39 |
| 30 | 14 | 305 | CLA | CHC-C1C | 5.37 | 1.47 | 1.34 |
| 38 | 5 | 312 | KC1 | C3B-C2B | 5.36 | 1.48 | 1.37 |
| 30 | 6 | 304 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 30 | 10 | 307 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 30 | 14 | 304 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 30 | B | 825 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 38 | 9 | 304 | KC1 | C3B-C2B | 5.36 | 1.48 | 1.37 |
| 30 | A | 829 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 30 | A | 837 | CLA | CHC-C1C | 5.36 | 1.47 | 1.34 |
| 30 | 15 | 313 | CLA | CHC-C1C | 5.35 | 1.47 | 1.34 |
| 30 | B | 821 | CLA | C3B-C2B | 5.35 | 1.47 | 1.40 |
| 30 | 9 | 309 | CLA | C3B-C2B | 5.35 | 1.47 | 1.40 |
| 30 | B | 824 | CLA | CHC-C1C | 5.35 | 1.47 | 1.34 |
| 30 | B | 822 | CLA | C3B-C2B | 5.35 | 1.47 | 1.40 |
| 30 | 14 | 312 | CLA | CHC-C1C | 5.35 | 1.47 | 1.34 |
| 30 | 1 | 301 | CLA | C3B-C2B | 5.35 | 1.47 | 1.40 |
| 38 | 9 | 311 | KC1 | C3B-C2B | 5.35 | 1.48 | 1.37 |
| 30 | 14 | 310 | CLA | CHC-C1C | 5.35 | 1.47 | 1.34 |
| 38 | 8 | 312 | KC1 | CHD-C4C | 5.35 | 1.47 | 1.34 |
| 30 | L | 202 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 38 | 1 | 308 | KC1 | C3B-C2B | 5.34 | 1.48 | 1.37 |
| 30 | 12 | 307 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 30 | 2 | 311 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 30 | B | 802 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 30 | B | 837 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 38 | 8 | 312 | KC1 | C3D-C2D | 5.34 | 1.48 | 1.39 |
| 30 | A | 816 | CLA | C3B-C2B | 5.34 | 1.47 | 1.40 |
| 38 | 6 | 313 | KC1 | CHD-C4C | 5.34 | 1.47 | 1.34 |
| 30 | 4 | 303 | CLA | C3B-C2B | 5.34 | 1.47 | 1.40 |
| 30 | 7 | 303 | CLA | C3B-C2B | 5.34 | 1.47 | 1.40 |
| 30 | 13 | 307 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 30 | 11 | 308 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 39 | 11 | 313 | DD6 | C13-C14 | 5.34 | 1.44 | 1.32 |
| 30 | A | 833 | CLA | CHC-C1C | 5.34 | 1.47 | 1.34 |
| 38 | 6 | 312 | KC1 | C3D-C2D | 5.33 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 11 | 312 | KC1 | C3D-C2D | 5.33 | 1.48 | 1.39 |
| 38 | 9 | 312 | KC1 | C3B-C2B | 5.33 | 1.48 | 1.37 |
| 30 | 5 | 304 | CLA | CHC-C1C | 5.33 | 1.47 | 1.34 |
| 39 | 3 | 316 | DD6 | C13-C14 | 5.33 | 1.44 | 1.32 |
| 30 | 7 | 304 | CLA | C3B-C2B | 5.33 | 1.47 | 1.40 |
| 38 | 7 | 308 | KC1 | CHD-C4C | 5.33 | 1.47 | 1.34 |
| 39 | 10 | 314 | DD6 | C13-C14 | 5.33 | 1.44 | 1.32 |
| 38 | 10 | 306 | KC1 | CHD-C4C | 5.33 | 1.47 | 1.34 |
| 30 | 7 | 307 | CLA | CHC-C1C | 5.33 | 1.47 | 1.34 |
| 30 | 13 | 301 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 30 | 16 | 307 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 30 | A | 844 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 30 | 15 | 304 | CLA | O2D-CGD | 5.32 | 1.46 | 1.33 |
| 30 | 15 | 312 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 30 | 9 | 305 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 30 | 12 | 304 | CLA | CHC-C1C | 5.32 | 1.47 | 1.34 |
| 39 | 6 | 303 | DD6 | C3-C2 | 5.31 | 1.59 | 1.43 |
| 30 | 4 | 302 | CLA | CHC-C1C | 5.31 | 1.47 | 1.34 |
| 30 | B | 808 | CLA | C3B-C2B | 5.31 | 1.47 | 1.40 |
| 30 | 15 | 305 | CLA | CHC-C1C | 5.31 | 1.47 | 1.34 |
| 30 | 10 | 307 | CLA | C3B-C2B | 5.31 | 1.47 | 1.40 |
| 30 | 10 | 305 | CLA | C3B-C2B | 5.31 | 1.47 | 1.40 |
| 37 | 10 | 302 | A86 | C9-C8 | 5.31 | 1.48 | 1.34 |
| 30 | L | 203 | CLA | CHC-C1C | 5.31 | 1.47 | 1.34 |
| 38 | 6 | 311 | KC1 | C3B-C2B | 5.31 | 1.47 | 1.37 |
| 38 | 9 | 310 | KC1 | C3B-C2B | 5.31 | 1.47 | 1.37 |
| 38 | 8 | 310 | KC1 | C3D-C2D | 5.31 | 1.48 | 1.39 |
| 30 | 6 | 305 | CLA | CHC-C1C | 5.31 | 1.47 | 1.34 |
| 29 | A | 801 | CL0 | C3B-C2B | 5.31 | 1.47 | 1.40 |
| 30 | A | 819 | CLA | CHC-C1C | 5.31 | 1.47 | 1.34 |
| 38 | 8 | 314 | KC1 | C3B-C2B | 5.30 | 1.47 | 1.37 |
| 39 | 2 | 316 | DD6 | C13-C14 | 5.30 | 1.44 | 1.32 |
| 30 | 2 | 309 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | B | 804 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | F | 202 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | 16 | 308 | CLA | C3C-C2C | 5.30 | 1.48 | 1.36 |
| 30 | 13 | 303 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | B | 838 | CLA | C3B-C2B | 5.30 | 1.47 | 1.40 |
| 38 | 16 | 304 | KC1 | C3D-C2D | 5.30 | 1.48 | 1.39 |
| 30 | 15 | 311 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | A | 806 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | 2 | 304 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | B | 851 | CLA | CHC-C1C | 5.30 | 1.47 | 1.34 |
| 30 | B | 811 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | B | 833 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | 12 | 310 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | B | 822 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | A | 824 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | 10 | 305 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | 4 | 305 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | 16 | 310 | CLA | O2D-CGD | 5.29 | 1.46 | 1.33 |
| 30 | 15 | 303 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 30 | B | 832 | CLA | CHC-C1C | 5.29 | 1.47 | 1.34 |
| 38 | 14 | 306 | KC1 | C3B-C2B | 5.28 | 1.47 | 1.37 |
| 30 | 13 | 304 | CLA | C3C-C2C | 5.28 | 1.48 | 1.36 |
| 37 | 4 | 314 | A86 | C9-C8 | 5.28 | 1.48 | 1.34 |
| 38 | 5 | 312 | KC1 | CHD-C4C | 5.28 | 1.47 | 1.34 |
| 38 | 3 | 311 | KC1 | C3D-C2D | 5.28 | 1.48 | 1.39 |
| 30 | 2 | 305 | CLA | CHC-C1C | 5.28 | 1.47 | 1.34 |
| 30 | 6 | 307 | CLA | CHC-C1C | 5.28 | 1.47 | 1.34 |
| 30 | 15 | 309 | CLA | C3C-C2C | 5.28 | 1.48 | 1.36 |
| 30 | B | 830 | CLA | C3C-C2C | 5.28 | 1.48 | 1.36 |
| 30 | 9 | 303 | CLA | CHC-C1C | 5.28 | 1.47 | 1.34 |
| 30 | 2 | 303 | CLA | O2D-CGD | 5.28 | 1.46 | 1.33 |
| 30 | 7 | 309 | CLA | C3B-C2B | 5.28 | 1.47 | 1.40 |
| 30 | 15 | 308 | CLA | C3C-C2C | 5.28 | 1.48 | 1.36 |
| 38 | 9 | 312 | KC1 | C3D-C2D | 5.28 | 1.48 | 1.39 |
| 38 | 4 | 310 | KC1 | C3B-C2B | 5.28 | 1.47 | 1.37 |
| 38 | 6 | 312 | KC1 | C3B-C2B | 5.28 | 1.47 | 1.37 |
| 30 | 1 | 301 | CLA | CHC-C1C | 5.28 | 1.47 | 1.34 |
| 30 | A | 839 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | 5 | 303 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | A | 807 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | F | 201 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 38 | 5 | 305 | KC1 | C3B-C2B | 5.27 | 1.47 | 1.37 |
| 30 | 9 | 307 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | 3 | 305 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | 4 | 303 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 38 | 6 | 308 | KC1 | C3B-C2B | 5.27 | 1.47 | 1.37 |
| 30 | B | 819 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | A | 818 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 30 | 4 | 301 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |
| 38 | 16 | 304 | KC1 | C3C-C2C | 5.27 | 1.48 | 1.36 |
| 30 | 16 | 309 | CLA | CHC-C1C | 5.27 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 15 | 310 | CLA | C3C-C2C | 5.26 | 1.48 | 1.36 |
| 38 | 3 | 311 | KC1 | C3C-C2C | 5.26 | 1.48 | 1.36 |
| 30 | 4 | 309 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 10 | 311 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 38 | 6 | 311 | KC1 | CHD-C4C | 5.26 | 1.47 | 1.34 |
| 30 | 6 | 315 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 13 | 302 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 14 | 309 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 5 | 308 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 6 | 317 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | B | 851 | CLA | C3B-C2B | 5.26 | 1.47 | 1.40 |
| 30 | 16 | 306 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | B | 831 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 10 | 309 | CLA | CHC-C1C | 5.26 | 1.47 | 1.34 |
| 30 | 13 | 304 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | 15 | 311 | CLA | C3C-C2C | 5.25 | 1.48 | 1.36 |
| 30 | 13 | 309 | CLA | O2D-CGD | 5.25 | 1.46 | 1.33 |
| 38 | 8 | 306 | KC1 | C3D-C2D | 5.25 | 1.48 | 1.39 |
| 30 | A | 821 | CLA | C3B-C2B | 5.25 | 1.47 | 1.40 |
| 30 | 11 | 309 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | A | 808 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | 16 | 302 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | 15 | 306 | CLA | C3C-C2C | 5.25 | 1.48 | 1.36 |
| 30 | 5 | 309 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | 8 | 308 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 38 | 7 | 313 | KC1 | C3D-C2D | 5.25 | 1.48 | 1.39 |
| 30 | B | 807 | CLA | C3B-C2B | 5.25 | 1.47 | 1.40 |
| 30 | 3 | 302 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 39 | 7 | 302 | DD6 | C3-C2 | 5.25 | 1.59 | 1.43 |
| 30 | 1 | 303 | CLA | C3C-C2C | 5.25 | 1.48 | 1.36 |
| 39 | 3 | 313 | DD6 | C13-C14 | 5.25 | 1.44 | 1.32 |
| 30 | 6 | 309 | CLA | CHC-C1C | 5.25 | 1.47 | 1.34 |
| 30 | 15 | 314 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | 5 | 311 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | 5 | 311 | CLA | C3C-C2C | 5.24 | 1.48 | 1.36 |
| 30 | A | 813 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | 15 | 312 | CLA | C3C-C2C | 5.24 | 1.48 | 1.36 |
| 30 | 16 | 308 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | 14 | 309 | CLA | C3C-C2C | 5.24 | 1.48 | 1.36 |
| 30 | 8 | 301 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | 6 | 316 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | B | 823 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | A | 822 | CLA | CHC-C1C | 5.24 | 1.47 | 1.34 |
| 30 | B | 818 | CLA | C3B-C2B | 5.24 | 1.47 | 1.40 |
| 30 | 11 | 308 | CLA | C3C-C2C | 5.24 | 1.48 | 1.36 |
| 30 | B | 810 | CLA | CHC-C1C | 5.23 | 1.47 | 1.34 |
| 30 | 14 | 310 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | B | 834 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 8 | 305 | CLA | CHC-C1C | 5.23 | 1.47 | 1.34 |
| 30 | 10 | 304 | CLA | CHC-C1C | 5.23 | 1.47 | 1.34 |
| 30 | A | 844 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 7 | 312 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 7 | 310 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | B | 824 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 15 | 305 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | A | 827 | CLA | CHC-C1C | 5.23 | 1.47 | 1.34 |
| 38 | 8 | 311 | KC1 | C3B-C2B | 5.23 | 1.47 | 1.37 |
| 30 | 13 | 307 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 16 | 303 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | 11 | 304 | CLA | C3C-C2C | 5.23 | 1.48 | 1.36 |
| 30 | A | 817 | CLA | CHC-C1C | 5.22 | 1.47 | 1.34 |
| 38 | 9 | 312 | KC1 | C3C-C2C | 5.22 | 1.48 | 1.36 |
| 38 | 14 | 311 | KC1 | C3B-C2B | 5.22 | 1.47 | 1.37 |
| 30 | A | 802 | CLA | CHC-C1C | 5.22 | 1.47 | 1.34 |
| 30 | 3 | 309 | CLA | C3C-C2C | 5.22 | 1.48 | 1.36 |
| 30 | 16 | 309 | CLA | C3C-C2C | 5.22 | 1.48 | 1.36 |
| 30 | 3 | 310 | CLA | C3B-C2B | 5.22 | 1.47 | 1.40 |
| 38 | 6 | 308 | KC1 | CHD-C4C | 5.22 | 1.47 | 1.34 |
| 30 | 2u | 202 | CLA | CHC-C1C | 5.22 | 1.47 | 1.34 |
| 30 | 7 | 311 | CLA | CHC-C1C | 5.22 | 1.47 | 1.34 |
| 30 | 15 | 313 | CLA | C3C-C2C | 5.22 | 1.48 | 1.36 |
| 30 | 14 | 312 | CLA | C3C-C2C | 5.21 | 1.48 | 1.36 |
| 39 | 6 | 318 | DD6 | C13-C14 | 5.21 | 1.44 | 1.32 |
| 39 | 10 | 314 | DD6 | C3-C2 | 5.21 | 1.59 | 1.43 |
| 30 | B | 813 | CLA | CHC-C1C | 5.21 | 1.47 | 1.34 |
| 30 | 8 | 302 | CLA | CHC-C1C | 5.21 | 1.47 | 1.34 |
| 38 | 1 | 308 | KC1 | O2D-CGD | 5.21 | 1.46 | 1.33 |
| 30 | A | 825 | CLA | C3B-C2B | 5.21 | 1.47 | 1.40 |
| 30 | 8 | 304 | CLA | CHC-C1C | 5.21 | 1.47 | 1.34 |
| 30 | 8 | 309 | CLA | C3C-C2C | 5.21 | 1.48 | 1.36 |
| 39 | 13 | 314 | DD6 | C3-C2 | 5.21 | 1.59 | 1.43 |
| 30 | 2 | 307 | CLA | C3B-C2B | 5.21 | 1.47 | 1.40 |
| 30 | B | 827 | CLA | CHC-C1C | 5.21 | 1.47 | 1.34 |
| 30 | 6 | 307 | CLA | C3B-C2B | 5.21 | 1.47 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 14 | 313 | CLA | C3C-C2C | 5.21 | 1.48 | 1.36 |
| 30 | B | 835 | CLA | C3C-C2C | 5.20 | 1.48 | 1.36 |
| 39 | 9 | 314 | DD6 | C13-C14 | 5.20 | 1.44 | 1.32 |
| 38 | 10 | 306 | KC1 | C3D-C2D | 5.20 | 1.48 | 1.39 |
| 30 | A | 803 | CLA | CHC-C1C | 5.20 | 1.47 | 1.34 |
| 30 | B | 832 | CLA | C3C-C2C | 5.20 | 1.48 | 1.36 |
| 38 | 3 | 308 | KC1 | C3B-C2B | 5.20 | 1.47 | 1.37 |
| 30 | 7 | 305 | CLA | CHC-C1C | 5.20 | 1.47 | 1.34 |
| 30 | 1 | 305 | CLA | CHC-C1C | 5.20 | 1.47 | 1.34 |
| 30 | B | 838 | CLA | C3C-C2C | 5.19 | 1.48 | 1.36 |
| 30 | A | 830 | CLA | C3B-C2B | 5.19 | 1.47 | 1.40 |
| 30 | 12 | 312 | CLA | CHC-C1C | 5.19 | 1.47 | 1.34 |
| 30 | 14 | 307 | CLA | C3C-C2C | 5.19 | 1.48 | 1.36 |
| 30 | A | 823 | CLA | CHC-C1C | 5.19 | 1.47 | 1.34 |
| 30 | A | 833 | CLA | C3C-C2C | 5.19 | 1.48 | 1.36 |
| 30 | 12 | 303 | CLA | C3C-C2C | 5.19 | 1.48 | 1.36 |
| 30 | 3 | 303 | CLA | C3C-C2C | 5.19 | 1.48 | 1.36 |
| 30 | 2 | 310 | CLA | CHC-C1C | 5.19 | 1.47 | 1.34 |
| 30 | F | 203 | CLA | CHC-C1C | 5.18 | 1.47 | 1.34 |
| 30 | 16 | 310 | CLA | CHC-C1C | 5.18 | 1.47 | 1.34 |
| 38 | 1 | 308 | KC1 | C3C-C2C | 5.18 | 1.47 | 1.36 |
| 39 | 6 | 319 | DD6 | C3-C2 | 5.18 | 1.59 | 1.43 |
| 30 | 13 | 303 | CLA | C3C-C2C | 5.18 | 1.47 | 1.36 |
| 30 | B | 834 | CLA | CHC-C1C | 5.18 | 1.47 | 1.34 |
| 30 | 7 | 310 | CLA | C3B-C2B | 5.18 | 1.47 | 1.40 |
| 38 | 12 | 313 | KC1 | CHD-C4C | 5.18 | 1.47 | 1.34 |
| 30 | 6 | 314 | CLA | C3B-C2B | 5.18 | 1.47 | 1.40 |
| 30 | 1 | 302 | CLA | CHC-C1C | 5.18 | 1.47 | 1.34 |
| 30 | A | 832 | CLA | CHC-C1C | 5.18 | 1.47 | 1.34 |
| 38 | 9 | 311 | KC1 | C3C-C2C | 5.18 | 1.47 | 1.36 |
| 38 | 13 | 308 | KC1 | C3C-C2C | 5.18 | 1.47 | 1.36 |
| 30 | 7 | 312 | CLA | CHC-C1C | 5.17 | 1.47 | 1.34 |
| 37 | 15 | 315 | A86 | C9-C8 | 5.17 | 1.48 | 1.34 |
| 38 | 14 | 311 | KC1 | C3D-C2D | 5.17 | 1.48 | 1.39 |
| 38 | 3 | 304 | KC1 | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 30 | 4 | 304 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 30 | A | 830 | CLA | CHC-C1C | 5.17 | 1.47 | 1.34 |
| 30 | F | 202 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 30 | 2 | 305 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 30 | A | 839 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 39 | 6 | 303 | DD6 | C13-C14 | 5.17 | 1.44 | 1.32 |
| 30 | A | 827 | CLA | C3C-C2C | 5.17 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 13 | 311 | KC1 | C3C-C2C | 5.17 | 1.47 | 1.36 |
| 30 | A | 811 | CLA | CHC-C1C | 5.17 | 1.47 | 1.34 |
| 30 | A | 834 | CLA | CHC-C1C | 5.17 | 1.47 | 1.34 |
| 39 | 6 | 318 | DD6 | C3-C2 | 5.17 | 1.59 | 1.43 |
| 30 | A | 810 | CLA | CHC-C1C | 5.16 | 1.47 | 1.34 |
| 30 | 12 | 303 | CLA | CHC-C1C | 5.16 | 1.47 | 1.34 |
| 30 | 2 | 307 | CLA | CHC-C1C | 5.16 | 1.47 | 1.34 |
| 30 | 4 | 301 | CLA | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 30 | 10 | 309 | CLA | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 30 | 13 | 304 | CLA | O2D-CGD | 5.16 | 1.45 | 1.33 |
| 39 | 11 | 313 | DD6 | C3-C2 | 5.16 | 1.59 | 1.43 |
| 30 | 6 | 310 | CLA | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 38 | 2 | 306 | KC1 | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 38 | 13 | 312 | KC1 | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 38 | 4 | 307 | KC1 | C3C-C2C | 5.16 | 1.47 | 1.36 |
| 37 | 2u | 203 | A86 | C9-C8 | 5.16 | 1.48 | 1.34 |
| 30 | B | 821 | CLA | CHC-C1C | 5.16 | 1.47 | 1.34 |
| 39 | 15 | 318 | DD6 | C3-C2 | 5.16 | 1.59 | 1.43 |
| 39 | 3 | 313 | DD6 | C3-C2 | 5.16 | 1.59 | 1.43 |
| 30 | 1 | 305 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 30 | 3 | 307 | CLA | CHC-C1C | 5.15 | 1.47 | 1.34 |
| 30 | 12 | 308 | CLA | CHC-C1C | 5.15 | 1.47 | 1.34 |
| 30 | 8 | 309 | CLA | CHC-C1C | 5.15 | 1.47 | 1.34 |
| 30 | A | 836 | CLA | C3B-C2B | 5.15 | 1.47 | 1.40 |
| 30 | B | 819 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 30 | 10 | 305 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 30 | 14 | 305 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 30 | 16 | 307 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 39 | 2 | 315 | DD6 | C3-C2 | 5.15 | 1.59 | 1.43 |
| 30 | 4 | 309 | CLA | O2D-CGD | 5.15 | 1.45 | 1.33 |
| 30 | 7 | 305 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 38 | 8 | 310 | KC1 | CHD-C4C | 5.15 | 1.47 | 1.34 |
| 30 | A | 844 | CLA | O2D-CGD | 5.15 | 1.45 | 1.33 |
| 38 | 5 | 306 | KC1 | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 30 | 9 | 306 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 39 | 3 | 312 | DD6 | C3-C2 | 5.15 | 1.59 | 1.43 |
| 30 | 15 | 302 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 39 | 1 | 310 | DD6 | C13-C14 | 5.15 | 1.44 | 1.32 |
| 39 | 15 | 319 | DD6 | C3-C2 | 5.15 | 1.59 | 1.43 |
| 30 | B | 831 | CLA | C3C-C2C | 5.15 | 1.47 | 1.36 |
| 38 | 13 | 312 | KC1 | O2D-CGD | 5.14 | 1.45 | 1.33 |
| 30 | 3 | 301 | CLA | CHC-C1C | 5.14 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 7 | 308 | KC1 | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 30 | 12 | 321 | CLA | CHC-C1C | 5.14 | 1.47 | 1.34 |
| 30 | 14 | 304 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 30 | 4 | 305 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 30 | B | 826 | CLA | CHC-C1C | 5.14 | 1.47 | 1.34 |
| 30 | 15 | 303 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 38 | 4 | 310 | KC1 | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 30 | A | 842 | CLA | CHC-C1C | 5.14 | 1.47 | 1.34 |
| 30 | B | 814 | CLA | CHC-C1C | 5.14 | 1.47 | 1.34 |
| 30 | 10 | 304 | CLA | C3C-C2C | 5.14 | 1.47 | 1.36 |
| 39 | 10 | 313 | DD6 | C3-C2 | 5.14 | 1.59 | 1.43 |
| 30 | B | 818 | CLA | CHC-C1C | 5.13 | 1.47 | 1.34 |
| 30 | 15 | 313 | CLA | O2D-CGD | 5.13 | 1.45 | 1.33 |
| 30 | A | 804 | CLA | CHC-C1C | 5.13 | 1.47 | 1.34 |
| 38 | 13 | 311 | KC1 | O2D-CGD | 5.13 | 1.45 | 1.33 |
| 38 | 2 | 314 | KC1 | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 38 | 8 | 312 | KC1 | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 30 | A | 835 | CLA | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 30 | A | 814 | CLA | CHC-C1C | 5.13 | 1.47 | 1.34 |
| 38 | 11 | 305 | KC1 | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 30 | 12 | 304 | CLA | C3C-C2C | 5.13 | 1.47 | 1.36 |
| 39 | 16 | 313 | DD6 | C3-C2 | 5.13 | 1.59 | 1.43 |
| 38 | 3 | 304 | KC1 | C3D-C2D | 5.13 | 1.48 | 1.39 |
| 38 | 11 | 312 | KC1 | C3B-C2B | 5.13 | 1.47 | 1.37 |
| 38 | 8 | 313 | KC1 | CHD-C4C | 5.13 | 1.47 | 1.34 |
| 39 | 4 | 316 | DD6 | C3-C2 | 5.13 | 1.59 | 1.43 |
| 30 | B | 833 | CLA | C3B-C2B | 5.13 | 1.47 | 1.40 |
| 30 | A | 809 | CLA | CHC-C1C | 5.13 | 1.47 | 1.34 |
| 30 | 15 | 306 | CLA | CHC-C1C | 5.12 | 1.47 | 1.34 |
| 30 | A | 813 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 30 | 15 | 310 | CLA | O2D-CGD | 5.12 | 1.45 | 1.33 |
| 38 | 8 | 311 | KC1 | C3D-C2D | 5.12 | 1.48 | 1.39 |
| 30 | 1 | 307 | CLA | CHC-C1C | 5.12 | 1.47 | 1.34 |
| 30 | 15 | 307 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 38 | 13 | 306 | KC1 | O2D-CGD | 5.12 | 1.45 | 1.33 |
| 30 | B | 825 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 30 | 2 | 308 | CLA | O2D-CGD | 5.12 | 1.45 | 1.33 |
| 30 | 6 | 315 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 30 | 14 | 303 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 38 | 5 | 305 | KC1 | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 38 | 6 | 313 | KC1 | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 38 | 2 | 314 | KC1 | O2D-CGD | 5.12 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 1 | 301 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 39 | 2 | 317 | DD6 | C3-C2 | 5.12 | 1.59 | 1.43 |
| 30 | 6 | 316 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 38 | 8 | 311 | KC1 | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 39 | 12 | 315 | DD6 | C13-C14 | 5.12 | 1.43 | 1.32 |
| 30 | 7 | 304 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 30 | 2 | 313 | CLA | C3C-C2C | 5.12 | 1.47 | 1.36 |
| 30 | L | 203 | CLA | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 30 | B | 803 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 30 | 16 | 302 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 39 | 3 | 316 | DD6 | C3-C2 | 5.11 | 1.59 | 1.43 |
| 30 | A | 820 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 30 | 13 | 302 | CLA | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 30 | A | 832 | CLA | C3B-C2B | 5.11 | 1.47 | 1.40 |
| 30 | 15 | 308 | CLA | C3B-C2B | 5.11 | 1.47 | 1.40 |
| 30 | B | 812 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 30 | A | 828 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 30 | B | 807 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 38 | 11 | 305 | KC1 | O2D-CGD | 5.11 | 1.45 | 1.33 |
| 30 | 2 | 303 | CLA | C3B-C2B | 5.11 | 1.47 | 1.40 |
| 38 | 8 | 306 | KC1 | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 38 | 13 | 305 | KC1 | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 39 | 12 | 315 | DD6 | C3-C2 | 5.11 | 1.59 | 1.43 |
| 30 | 8 | 303 | CLA | CHC-C1C | 5.11 | 1.47 | 1.34 |
| 30 | 4 | 303 | CLA | C3C-C2C | 5.11 | 1.47 | 1.36 |
| 30 | A | 835 | CLA | C3B-C2B | 5.11 | 1.47 | 1.40 |
| 30 | 6 | 307 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 30 | 8 | 302 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 38 | 7 | 313 | KC1 | C3B-C2B | 5.10 | 1.47 | 1.37 |
| 30 | 15 | 305 | CLA | O2D-CGD | 5.10 | 1.45 | 1.33 |
| 38 | 11 | 311 | KC1 | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 30 | 3 | 306 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 30 | 16 | 310 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 39 | 9 | 314 | DD6 | C3-C2 | 5.10 | 1.59 | 1.43 |
| 30 | 12 | 321 | CLA | C3C-C2C | 5.10 | 1.47 | 1.36 |
| 30 | 4 | 309 | CLA | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 30 | 11 | 309 | CLA | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 30 | B | 816 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 38 | 11 | 311 | KC1 | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 30 | B | 822 | CLA | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 39 | 4 | 313 | DD6 | C3-C2 | 5.09 | 1.59 | 1.43 |
| 30 | 13 | 307 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 8 | 313 | KC1 | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 38 | 10 | 312 | KC1 | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 30 | 16 | 305 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 30 | 13 | 302 | CLA | C3C-C2C | 5.09 | 1.47 | 1.36 |
| 30 | 14 | 302 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 38 | 12 | 313 | KC1 | C3B-C2B | 5.09 | 1.47 | 1.37 |
| 30 | B | 828 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 30 | J | 101 | CLA | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 30 | B | 836 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 38 | 11 | 312 | KC1 | O2D-CGD | 5.09 | 1.45 | 1.33 |
| 30 | A | 816 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 30 | A | 825 | CLA | CHC-C1C | 5.09 | 1.47 | 1.34 |
| 38 | 8 | 307 | KC1 | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 30 | 5 | 304 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | 2 | 307 | CLA | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 38 | 10 | 312 | KC1 | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | 15 | 311 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | A | 820 | CLA | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 30 | 13 | 309 | CLA | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 38 | 8 | 307 | KC1 | C3B-C2B | 5.08 | 1.47 | 1.37 |
| 30 | J | 101 | CLA | CHC-C1C | 5.08 | 1.47 | 1.34 |
| 30 | 14 | 309 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 38 | 3 | 308 | KC1 | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 38 | 8 | 306 | KC1 | C3B-C2B | 5.08 | 1.47 | 1.37 |
| 30 | 3 | 310 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | 1 | 307 | CLA | C3C-C2C | 5.08 | 1.47 | 1.36 |
| 30 | 4 | 311 | CLA | CHC-C1C | 5.08 | 1.47 | 1.34 |
| 30 | B | 851 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | 2 | 311 | CLA | O2D-CGD | 5.08 | 1.45 | 1.33 |
| 30 | A | 838 | CLA | CHC-C1C | 5.08 | 1.47 | 1.34 |
| 30 | B | 805 | CLA | CHC-C1C | 5.08 | 1.47 | 1.34 |
| 30 | 14 | 307 | CLA | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 38 | 10 | 310 | KC1 | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 39 | 3 | 312 | DD6 | C13-C14 | 5.07 | 1.43 | 1.32 |
| 30 | 7 | 304 | CLA | CHC-C1C | 5.07 | 1.47 | 1.34 |
| 30 | 6 | 306 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 38 | 10 | 306 | KC1 | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 38 | 13 | 308 | KC1 | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 30 | 9 | 302 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 30 | 8 | 303 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 38 | 1 | 306 | KC1 | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 30 | 3 | 305 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 39 | 2 | 316 | DD6 | C3-C2 | 5.07 | 1.58 | 1.43 |
| 30 | 6 | 304 | CLA | C3B-C2B | 5.07 | 1.47 | 1.40 |
| 39 | 5 | 313 | DD6 | C3-C2 | 5.07 | 1.58 | 1.43 |
| 30 | 14 | 304 | CLA | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 38 | 14 | 311 | KC1 | O2D-CGD | 5.07 | 1.45 | 1.33 |
| 39 | 12 | 317 | DD6 | C3-C2 | 5.07 | 1.58 | 1.43 |
| 30 | 6 | 310 | CLA | CHC-C1C | 5.07 | 1.47 | 1.34 |
| 30 | B | 833 | CLA | C3C-C2C | 5.07 | 1.47 | 1.36 |
| 38 | 8 | 310 | KC1 | C3B-C2B | 5.07 | 1.47 | 1.37 |
| 39 | 8 | 317 | DD6 | C13-C14 | 5.07 | 1.43 | 1.32 |
| 30 | 9 | 306 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | L | 202 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 9 | 309 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 11 | 310 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | 15 | 303 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | J | 101 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 12 | 321 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | 12 | 310 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | A | 812 | CLA | CHC-C1C | 5.06 | 1.47 | 1.34 |
| 30 | 7 | 312 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | 9 | 306 | CLA | CHC-C1C | 5.06 | 1.47 | 1.34 |
| 30 | B | 815 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | A | 834 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 3 | 302 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 14 | 302 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 30 | 16 | 309 | CLA | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | 9 | 302 | CLA | CHC-C1C | 5.06 | 1.47 | 1.34 |
| 39 | 7 | 314 | DD6 | C3-C2 | 5.06 | 1.58 | 1.43 |
| 30 | 6 | 314 | CLA | CHC-C1C | 5.06 | 1.47 | 1.34 |
| 30 | A | 824 | CLA | C3C-C2C | 5.06 | 1.47 | 1.36 |
| 38 | 11 | 307 | KC1 | O2D-CGD | 5.06 | 1.45 | 1.33 |
| 30 | B | 828 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 30 | 16 | 306 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 30 | A | 822 | CLA | C3B-C2B | 5.05 | 1.47 | 1.40 |
| 30 | 8 | 308 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 30 | A | 838 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 30 | B | 829 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 38 | 5 | 305 | KC1 | O2D-CGD | 5.05 | 1.45 | 1.33 |
| 38 | 9 | 311 | KC1 | O2D-CGD | 5.05 | 1.45 | 1.33 |
| 30 | 16 | 306 | CLA | O2D-CGD | 5.05 | 1.45 | 1.33 |
| 30 | 9 | 305 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 38 | 13 | 312 | KC1 | OBD-CAD | 5.05 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | A | 822 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 30 | 4 | 306 | CLA | O2D-CGD | 5.05 | 1.45 | 1.33 |
| 30 | A | 840 | CLA | CHC-C1C | 5.05 | 1.47 | 1.34 |
| 30 | 6 | 305 | CLA | C3C-C2C | 5.05 | 1.47 | 1.36 |
| 39 | 5 | 313 | DD6 | C13-C14 | 5.04 | 1.43 | 1.32 |
| 30 | F | 203 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 38 | 4 | 310 | KC1 | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 30 | 16 | 305 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 30 | A | 816 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 30 | 5 | 304 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 30 | 14 | 312 | CLA | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 38 | 12 | 305 | KC1 | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 39 | 8 | 316 | DD6 | C3-C2 | 5.04 | 1.58 | 1.43 |
| 30 | 9 | 309 | CLA | CHC-C1C | 5.04 | 1.47 | 1.34 |
| 30 | 11 | 306 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 38 | 13 | 310 | KC1 | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 30 | 5 | 309 | CLA | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 38 | 13 | 310 | KC1 | C3C-C2C | 5.04 | 1.47 | 1.36 |
| 30 | 2u | 202 | CLA | C3B-C2B | 5.04 | 1.47 | 1.40 |
| 30 | 6 | 309 | CLA | O2D-CGD | 5.04 | 1.45 | 1.33 |
| 38 | 12 | 309 | KC1 | C3C-C2C | 5.03 | 1.47 | 1.36 |
| 30 | 3 | 309 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 30 | 9 | 301 | CLA | CHC-C1C | 5.03 | 1.46 | 1.34 |
| 30 | A | 817 | CLA | C3C-C2C | 5.03 | 1.47 | 1.36 |
| 37 | 11 | 301 | A86 | C9-C8 | 5.03 | 1.47 | 1.34 |
| 38 | 3 | 311 | KC1 | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 30 | 16 | 308 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 30 | B | 826 | CLA | C3C-C2C | 5.03 | 1.47 | 1.36 |
| 30 | A | 833 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 30 | 10 | 311 | CLA | O2D-CGD | 5.03 | 1.45 | 1.33 |
| 30 | 12 | 302 | CLA | CHC-C1C | 5.02 | 1.46 | 1.34 |
| 30 | 15 | 307 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 30 | 6 | 317 | CLA | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 30 | 5 | 308 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 38 | 1 | 306 | KC1 | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 30 | 2 | 309 | CLA | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 30 | 15 | 314 | CLA | C3C-C2C | 5.02 | 1.47 | 1.36 |
| 30 | A | 835 | CLA | CHC-C1C | 5.02 | 1.46 | 1.34 |
| 30 | 12 | 306 | CLA | CHC-C1C | 5.02 | 1.46 | 1.34 |
| 30 | 4 | 309 | CLA | C1D-ND | 5.02 | 1.44 | 1.37 |
| 30 | A | 843 | CLA | CHC-C1C | 5.02 | 1.46 | 1.34 |
| 30 | 12 | 308 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 5 | 311 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 30 | 14 | 310 | CLA | O2D-CGD | 5.02 | 1.45 | 1.33 |
| 30 | 7 | 303 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | A | 819 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | F | 201 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 38 | 9 | 312 | KC1 | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 38 | 14 | 308 | KC1 | OBD-CAD | 5.01 | 1.28 | 1.22 |
| 30 | 5 | 303 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | 16 | 302 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | 15 | 312 | CLA | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 30 | A | 815 | CLA | CHC-C1C | 5.01 | 1.46 | 1.34 |
| 30 | A | 841 | CLA | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 30 | B | 810 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | 10 | 307 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 38 | 10 | 310 | KC1 | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 30 | B | 836 | CLA | C3C-C2C | 5.01 | 1.47 | 1.36 |
| 30 | 14 | 303 | CLA | O2D-CGD | 5.01 | 1.45 | 1.33 |
| 30 | 3 | 310 | CLA | CHC-C1C | 5.00 | 1.46 | 1.34 |
| 30 | 2 | 313 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 30 | 15 | 309 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 30 | A | 820 | CLA | C3B-C2B | 5.00 | 1.47 | 1.40 |
| 30 | A | 841 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | B | 805 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | 3 | 306 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 38 | 14 | 308 | KC1 | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 30 | 10 | 309 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 38 | 4 | 308 | KC1 | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 38 | 6 | 312 | KC1 | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | 3 | 301 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | 12 | 307 | CLA | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 30 | A | 836 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 38 | 16 | 304 | KC1 | O2D-CGD | 5.00 | 1.45 | 1.33 |
| 30 | 9 | 307 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | 2 | 304 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 30 | A | 831 | CLA | C3C-C2C | 5.00 | 1.47 | 1.36 |
| 38 | 12 | 311 | KC1 | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 30 | 5 | 307 | CLA | CHC-C1C | 4.99 | 1.46 | 1.34 |
| 30 | 12 | 303 | CLA | O2D-CGD | 4.99 | 1.45 | 1.33 |
| 30 | 10 | 311 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 39 | 7 | 317 | DD6 | C3-C2 | 4.99 | 1.58 | 1.43 |
| 30 | A | 831 | CLA | CHC-C1C | 4.99 | 1.46 | 1.34 |
| 30 | A | 805 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 38 | 8 | 313 | KC1 | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 38 | 8 | 314 | KC1 | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 30 | A | 815 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 30 | 12 | 308 | CLA | C3C-C2C | 4.99 | 1.47 | 1.36 |
| 30 | B | 801 | CLA | C3B-C2B | 4.99 | 1.47 | 1.40 |
| 30 | 10 | 308 | CLA | O2D-CGD | 4.99 | 1.45 | 1.33 |
| 39 | 7 | 318 | DD6 | C3-C2 | 4.99 | 1.58 | 1.43 |
| 30 | 4 | 311 | CLA | O2D-CGD | 4.99 | 1.45 | 1.33 |
| 30 | 1 | 307 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | B | 815 | CLA | CHC-C1C | 4.98 | 1.46 | 1.34 |
| 30 | 15 | 307 | CLA | CHC-C1C | 4.98 | 1.46 | 1.34 |
| 30 | B | 801 | CLA | CHC-C1C | 4.98 | 1.46 | 1.34 |
| 30 | 1 | 302 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 30 | 16 | 307 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | A | 812 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 30 | 14 | 313 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | B | 812 | CLA | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 38 | 6 | 311 | KC1 | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 38 | 9 | 304 | KC1 | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | 6 | 315 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | 16 | 301 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 30 | 11 | 306 | CLA | O2D-CGD | 4.98 | 1.45 | 1.33 |
| 38 | 14 | 311 | KC1 | C3C-C2C | 4.98 | 1.47 | 1.36 |
| 38 | 12 | 305 | KC1 | OBD-CAD | 4.98 | 1.28 | 1.22 |
| 30 | 2 | 309 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 13 | 303 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 11 | 304 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 1 | 304 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 6 | 316 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 39 | 6 | 321 | DD6 | C3-C2 | 4.97 | 1.58 | 1.43 |
| 30 | 4 | 305 | CLA | C3B-C2B | 4.97 | 1.47 | 1.40 |
| 38 | 9 | 310 | KC1 | C3C-C2C | 4.97 | 1.47 | 1.36 |
| 30 | A | 808 | CLA | C3C-C2C | 4.97 | 1.47 | 1.36 |
| 30 | 12 | 312 | CLA | C3C-C2C | 4.97 | 1.47 | 1.36 |
| 30 | 10 | 305 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 11 | 309 | CLA | O2D-CGD | 4.97 | 1.45 | 1.33 |
| 30 | 7 | 310 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 30 | 6 | 314 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 38 | 5 | 310 | KC1 | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 30 | 7 | 304 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 30 | B | 827 | CLA | C3C-C2C | 4.96 | 1.47 | 1.36 |
| 30 | 10 | 303 | CLA | C3C-C2C | 4.96 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 2 | 310 | CLA | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 37 | 9 | 316 | A86 | C9-C8 | 4.96 | 1.47 | 1.34 |
| 38 | 8 | 312 | KC1 | O2D-CGD | 4.96 | 1.45 | 1.33 |
| 38 | 3 | 308 | KC1 | C3C-C2C | 4.96 | 1.47 | 1.36 |
| 39 | 1 | 310 | DD6 | C3-C2 | 4.96 | 1.58 | 1.43 |
| 30 | B | 804 | CLA | C3C-C2C | 4.96 | 1.47 | 1.36 |
| 30 | B | 808 | CLA | C3C-C2C | 4.95 | 1.47 | 1.36 |
| 38 | 5 | 306 | KC1 | OBD-CAD | 4.95 | 1.28 | 1.22 |
| 37 | 2 | 302 | A86 | C9-C8 | 4.95 | 1.47 | 1.34 |
| 30 | 10 | 304 | CLA | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 30 | 9 | 302 | CLA | O2A-CGA | 4.95 | 1.47 | 1.33 |
| 30 | 1 | 305 | CLA | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 38 | 5 | 310 | KC1 | C3C-C2C | 4.95 | 1.47 | 1.36 |
| 38 | 9 | 304 | KC1 | C3C-C2C | 4.95 | 1.47 | 1.36 |
| 30 | A | 826 | CLA | CHC-C1C | 4.95 | 1.46 | 1.34 |
| 30 | B | 814 | CLA | C3C-C2C | 4.95 | 1.47 | 1.36 |
| 38 | 8 | 310 | KC1 | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 38 | 16 | 311 | KC1 | O2D-CGD | 4.95 | 1.45 | 1.33 |
| 30 | 7 | 311 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 38 | 8 | 311 | KC1 | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 39 | 5 | 314 | DD6 | C3-C2 | 4.94 | 1.58 | 1.43 |
| 30 | B | 811 | CLA | C3C-C2C | 4.94 | 1.47 | 1.36 |
| 30 | 7 | 311 | CLA | C3C-C2C | 4.94 | 1.47 | 1.36 |
| 30 | A | 825 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | 6 | 307 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | 8 | 305 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | A | 842 | CLA | C3C-C2C | 4.94 | 1.47 | 1.36 |
| 38 | 11 | 312 | KC1 | C3C-C2C | 4.94 | 1.47 | 1.36 |
| 30 | 14 | 305 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | 9 | 309 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 38 | 12 | 311 | KC1 | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | 16 | 303 | CLA | O2D-CGD | 4.94 | 1.45 | 1.33 |
| 30 | 15 | 309 | CLA | C1D-ND | 4.94 | 1.44 | 1.37 |
| 38 | 7 | 313 | KC1 | C3C-C2C | 4.93 | 1.47 | 1.36 |
| 30 | F | 203 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 30 | 2 | 311 | CLA | C3C-C2C | 4.93 | 1.47 | 1.36 |
| 39 | 8 | 317 | DD6 | C3-C2 | 4.93 | 1.58 | 1.43 |
| 30 | 12 | 304 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 38 | 3 | 311 | KC1 | OBD-CAD | 4.93 | 1.28 | 1.22 |
| 38 | 12 | 305 | KC1 | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 30 | B | 839 | CLA | C3C-C2C | 4.93 | 1.47 | 1.36 |
| 30 | 12 | 310 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 817 | CLA | O2D-CGD | 4.93 | 1.45 | 1.33 |
| 30 | 3 | 310 | CLA | C3C-C2C | 4.93 | 1.47 | 1.36 |
| 30 | 16 | 301 | CLA | C3C-C2C | 4.93 | 1.47 | 1.36 |
| 30 | 6 | 305 | CLA | O2D-CGD | 4.92 | 1.45 | 1.33 |
| 30 | 3 | 301 | CLA | O2D-CGD | 4.92 | 1.45 | 1.33 |
| 29 | A | 801 | CL0 | C3C-C2C | 4.92 | 1.47 | 1.36 |
| 30 | 13 | 301 | CLA | O2D-CGD | 4.92 | 1.45 | 1.33 |
| 30 | A | 825 | CLA | C3C-C2C | 4.92 | 1.47 | 1.36 |
| 37 | 3 | 315 | A86 | C9-C8 | 4.92 | 1.47 | 1.34 |
| 30 | 4 | 302 | CLA | O2D-CGD | 4.92 | 1.45 | 1.33 |
| 30 | 12 | 306 | CLA | C3C-C2C | 4.92 | 1.47 | 1.36 |
| 38 | 10 | 312 | KC1 | OBD-CAD | 4.92 | 1.28 | 1.22 |
| 30 | B | 806 | CLA | O2D-CGD | 4.92 | 1.45 | 1.33 |
| 30 | A | 828 | CLA | C3C-C2C | 4.92 | 1.47 | 1.36 |
| 30 | A | 823 | CLA | C3C-C2C | 4.92 | 1.47 | 1.36 |
| 30 | A | 837 | CLA | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 38 | 13 | 311 | KC1 | OBD-CAD | 4.91 | 1.28 | 1.22 |
| 30 | 5 | 307 | CLA | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 38 | 2 | 312 | KC1 | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 38 | 12 | 309 | KC1 | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 38 | 13 | 306 | KC1 | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 30 | B | 808 | CLA | CHC-C1C | 4.91 | 1.46 | 1.34 |
| 38 | 11 | 311 | KC1 | OBD-CAD | 4.91 | 1.28 | 1.22 |
| 39 | 4 | 316 | DD6 | C13-C14 | 4.91 | 1.43 | 1.32 |
| 37 | 15 | 320 | A86 | C9-C8 | 4.91 | 1.47 | 1.34 |
| 30 | 7 | 307 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 30 | 3 | 307 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 30 | 9 | 307 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 30 | B | 819 | CLA | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 30 | 2u | 202 | CLA | C3C-C2C | 4.91 | 1.47 | 1.36 |
| 38 | 6 | 311 | KC1 | O2D-CGD | 4.91 | 1.45 | 1.33 |
| 30 | 6 | 317 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 30 | A | 832 | CLA | C3C-C2C | 4.90 | 1.47 | 1.36 |
| 30 | 12 | 312 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 30 | B | 822 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 38 | 11 | 312 | KC1 | OBD-CAD | 4.90 | 1.28 | 1.22 |
| 37 | 2u | 205 | A86 | C17-C18 | -4.90 | 1.45 | 1.52 |
| 38 | 12 | 313 | KC1 | C3C-C2C | 4.90 | 1.47 | 1.36 |
| 30 | 9 | 303 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 30 | 4 | 306 | CLA | C3C-C2C | 4.90 | 1.47 | 1.36 |
| 30 | 15 | 311 | CLA | C1D-ND | 4.90 | 1.44 | 1.37 |
| 30 | 4 | 311 | CLA | C3C-C2C | 4.90 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 836 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 37 | 12 | 316 | A86 | C9-C8 | 4.90 | 1.47 | 1.34 |
| 30 | A | 843 | CLA | O2D-CGD | 4.90 | 1.45 | 1.33 |
| 37 | 15 | 322 | A86 | C9-C8 | 4.90 | 1.47 | 1.34 |
| 30 | A | 836 | CLA | CHC-C1C | 4.90 | 1.46 | 1.34 |
| 30 | 16 | 309 | CLA | C1D-ND | 4.90 | 1.44 | 1.37 |
| 30 | 7 | 306 | CLA | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 38 | 2 | 312 | KC1 | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 30 | 13 | 304 | CLA | C1D-ND | 4.89 | 1.44 | 1.37 |
| 38 | 5 | 312 | KC1 | O2D-CGD | 4.89 | 1.45 | 1.33 |
| 37 | 10 | 315 | A86 | C9-C8 | 4.89 | 1.47 | 1.34 |
| 37 | 13 | 313 | A86 | C9-C8 | 4.89 | 1.47 | 1.34 |
| 30 | A | 804 | CLA | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 30 | A | 810 | CLA | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 30 | A | 808 | CLA | O2D-CGD | 4.89 | 1.45 | 1.33 |
| 38 | 4 | 308 | KC1 | C3C-C2C | 4.89 | 1.47 | 1.36 |
| 30 | 10 | 308 | CLA | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 38 | 6 | 313 | KC1 | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | A | 816 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 38 | 11 | 307 | KC1 | OBD-CAD | 4.88 | 1.28 | 1.22 |
| 38 | 12 | 313 | KC1 | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | B | 817 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | 2 | 310 | CLA | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 30 | A | 821 | CLA | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 37 | 14 | 320 | A86 | C9-C8 | 4.88 | 1.47 | 1.34 |
| 30 | 15 | 306 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | A | 803 | CLA | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 30 | 8 | 308 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | 12 | 306 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 38 | 11 | 307 | KC1 | C3C-C2C | 4.88 | 1.47 | 1.36 |
| 38 | 5 | 306 | KC1 | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | 1 | 301 | CLA | O2D-CGD | 4.88 | 1.45 | 1.33 |
| 30 | A | 822 | CLA | O2D-CGD | 4.87 | 1.45 | 1.33 |
| 30 | 6 | 309 | CLA | C3C-C2C | 4.87 | 1.47 | 1.36 |
| 30 | B | 839 | CLA | C3B-C2B | 4.87 | 1.47 | 1.40 |
| 30 | 6 | 306 | CLA | O2D-CGD | 4.87 | 1.45 | 1.33 |
| 30 | 10 | 303 | CLA | O2D-CGD | 4.87 | 1.45 | 1.33 |
| 30 | 8 | 303 | CLA | O2D-CGD | 4.87 | 1.45 | 1.33 |
| 30 | 12 | 302 | CLA | C3C-C2C | 4.87 | 1.47 | 1.36 |
| 37 | 11 | 301 | A86 | C17-C18 | -4.87 | 1.45 | 1.52 |
| 39 | 6 | 321 | DD6 | C13-C14 | 4.86 | 1.43 | 1.32 |
| 30 | A | 840 | CLA | C3C-C2C | 4.86 | 1.47 | 1.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 820 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 30 | 11 | 310 | CLA | C1D-ND | 4.86 | 1.44 | 1.37 |
| 30 | A | 811 | CLA | C3C-C2C | 4.86 | 1.47 | 1.36 |
| 38 | 4 | 310 | KC1 | OBD-CAD | 4.86 | 1.28 | 1.22 |
| 38 | 9 | 312 | KC1 | OBD-CAD | 4.86 | 1.28 | 1.22 |
| 30 | B | 821 | CLA | C3C-C2C | 4.86 | 1.47 | 1.36 |
| 30 | 5 | 302 | CLA | C3C-C2C | 4.86 | 1.47 | 1.36 |
| 38 | 16 | 304 | KC1 | OBD-CAD | 4.86 | 1.28 | 1.22 |
| 30 | 3 | 302 | CLA | O2D-CGD | 4.86 | 1.45 | 1.33 |
| 37 | 14 | 316 | A86 | C17-C18 | -4.86 | 1.45 | 1.52 |
| 38 | 6 | 308 | KC1 | C3C-C2C | 4.86 | 1.47 | 1.36 |
| 30 | 13 | 307 | CLA | C1D-ND | 4.86 | 1.44 | 1.37 |
| 30 | 15 | 313 | CLA | C1D-ND | 4.86 | 1.44 | 1.37 |
| 37 | 13 | 315 | A86 | C9-C8 | 4.86 | 1.47 | 1.34 |
| 30 | B | 809 | CLA | CHC-C1C | 4.85 | 1.46 | 1.34 |
| 30 | 7 | 306 | CLA | CHC-C1C | 4.85 | 1.46 | 1.34 |
| 37 | 10 | 317 | A86 | C9-C8 | 4.85 | 1.47 | 1.34 |
| 30 | A | 818 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 30 | B | 831 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 30 | 14 | 309 | CLA | C1D-ND | 4.85 | 1.44 | 1.37 |
| 37 | 8 | 318 | A86 | C17-C18 | -4.85 | 1.45 | 1.52 |
| 30 | B | 826 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 38 | 4 | 307 | KC1 | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 30 | B | 837 | CLA | C3C-C2C | 4.85 | 1.47 | 1.36 |
| 30 | 15 | 312 | CLA | C1D-ND | 4.85 | 1.44 | 1.37 |
| 30 | A | 824 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 30 | A | 837 | CLA | O2D-CGD | 4.85 | 1.45 | 1.33 |
| 30 | 7 | 309 | CLA | CHC-C1C | 4.85 | 1.46 | 1.34 |
| 30 | 2 | 304 | CLA | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 30 | A | 829 | CLA | C3C-C2C | 4.84 | 1.47 | 1.36 |
| 30 | 16 | 305 | CLA | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 38 | 8 | 306 | KC1 | OBD-CAD | 4.84 | 1.28 | 1.22 |
| 37 | 9 | 313 | A86 | C17-C18 | -4.84 | 1.45 | 1.52 |
| 30 | A | 819 | CLA | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 30 | 8 | 309 | CLA | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 30 | B | 837 | CLA | O2D-CGD | 4.84 | 1.45 | 1.33 |
| 30 | B | 807 | CLA | C3C-C2C | 4.84 | 1.47 | 1.36 |
| 38 | 14 | 306 | KC1 | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 30 | A | 823 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 30 | 5 | 309 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 38 | 14 | 306 | KC1 | OBD-CAD | 4.83 | 1.28 | 1.22 |
| 30 | 10 | 311 | CLA | C1D-ND | 4.83 | 1.44 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 5 | 303 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 30 | 13 | 303 | CLA | C1D-ND | 4.83 | 1.44 | 1.37 |
| 38 | 14 | 306 | KC1 | C3C-C2C | 4.83 | 1.47 | 1.36 |
| 30 | 15 | 310 | CLA | C1D-ND | 4.83 | 1.44 | 1.37 |
| 38 | 2 | 306 | KC1 | OBD-CAD | 4.83 | 1.28 | 1.22 |
| 30 | 2 | 308 | CLA | C3C-C2C | 4.83 | 1.47 | 1.36 |
| 30 | B | 829 | CLA | O2D-CGD | 4.83 | 1.45 | 1.33 |
| 38 | 1 | 306 | KC1 | OBD-CAD | 4.83 | 1.28 | 1.22 |
| 30 | 7 | 312 | CLA | C1D-ND | 4.83 | 1.44 | 1.37 |
| 37 | 9 | 315 | A86 | C9-C8 | 4.83 | 1.47 | 1.34 |
| 38 | 4 | 308 | KC1 | OBD-CAD | 4.83 | 1.28 | 1.22 |
| 30 | 13 | 301 | CLA | C3C-C2C | 4.82 | 1.47 | 1.36 |
| 30 | 16 | 308 | CLA | C1D-ND | 4.82 | 1.44 | 1.37 |
| 30 | A | 807 | CLA | C3C-C2C | 4.82 | 1.47 | 1.36 |
| 30 | 4 | 301 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 30 | 2 | 303 | CLA | C3C-C2C | 4.82 | 1.47 | 1.36 |
| 30 | 4 | 305 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 38 | 7 | 313 | KC1 | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 39 | 15 | 318 | DD6 | C2-C1 | 4.82 | 1.46 | 1.35 |
| 30 | 3 | 303 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 30 | 8 | 305 | CLA | C3C-C2C | 4.82 | 1.47 | 1.36 |
| 30 | 11 | 308 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 30 | 6 | 310 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 37 | 3 | 314 | A86 | C9-C8 | 4.82 | 1.47 | 1.34 |
| 38 | 9 | 310 | KC1 | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 38 | 2 | 314 | KC1 | OBD-CAD | 4.82 | 1.28 | 1.22 |
| 30 | B | 811 | CLA | O2D-CGD | 4.82 | 1.45 | 1.33 |
| 37 | 15 | 323 | A86 | C9-C8 | 4.81 | 1.47 | 1.34 |
| 30 | 3 | 307 | CLA | C1D-ND | 4.81 | 1.44 | 1.37 |
| 38 | 8 | 307 | KC1 | O2D-CGD | 4.81 | 1.45 | 1.33 |
| 30 | F | 202 | CLA | O2D-CGD | 4.81 | 1.45 | 1.33 |
| 30 | 7 | 309 | CLA | O2D-CGD | 4.81 | 1.45 | 1.33 |
| 29 | A | 801 | CL0 | CHC-C1C | 4.81 | 1.46 | 1.34 |
| 30 | 2 | 301 | CLA | O2D-CGD | 4.81 | 1.45 | 1.33 |
| 30 | B | 838 | CLA | CHC-C1C | 4.81 | 1.46 | 1.34 |
| 30 | B | 817 | CLA | C3C-C2C | 4.81 | 1.47 | 1.36 |
| 30 | 3 | 305 | CLA | O2D-CGD | 4.81 | 1.45 | 1.33 |
| 38 | 13 | 311 | KC1 | CHC-C4B | 4.81 | 1.47 | 1.38 |
| 38 | 5 | 310 | KC1 | OBD-CAD | 4.81 | 1.28 | 1.22 |
| 30 | A | 826 | CLA | C3C-C2C | 4.81 | 1.47 | 1.36 |
| 30 | 6 | 304 | CLA | C3C-C2C | 4.81 | 1.47 | 1.36 |
| 30 | 8 | 302 | CLA | O2D-CGD | 4.81 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 14 | 311 | KC1 | OBD-CAD | 4.81 | 1.28 | 1.22 |
| 37 | 5 | 301 | A86 | C17-C18 | -4.81 | 1.45 | 1.52 |
| 30 | 12 | 321 | CLA | C1D-ND | 4.80 | 1.44 | 1.37 |
| 30 | 15 | 304 | CLA | C1D-ND | 4.80 | 1.44 | 1.37 |
| 30 | 8 | 304 | CLA | O2D-CGD | 4.80 | 1.45 | 1.33 |
| 30 | 15 | 302 | CLA | O2D-CGD | 4.80 | 1.45 | 1.33 |
| 37 | 16 | 312 | A86 | C17-C18 | -4.80 | 1.45 | 1.52 |
| 30 | A | 830 | CLA | C3C-C2C | 4.80 | 1.47 | 1.36 |
| 38 | 13 | 310 | KC1 | OBD-CAD | 4.80 | 1.28 | 1.22 |
| 30 | 9 | 308 | CLA | C3C-C2C | 4.80 | 1.47 | 1.36 |
| 30 | A | 821 | CLA | CHC-C1C | 4.80 | 1.46 | 1.34 |
| 30 | 15 | 306 | CLA | C1D-ND | 4.80 | 1.44 | 1.37 |
| 30 | B | 832 | CLA | O2D-CGD | 4.80 | 1.45 | 1.33 |
| 30 | B | 833 | CLA | O2D-CGD | 4.80 | 1.45 | 1.33 |
| 30 | A | 803 | CLA | O2D-CGD | 4.80 | 1.45 | 1.33 |
| 30 | 5 | 308 | CLA | C3C-C2C | 4.79 | 1.47 | 1.36 |
| 37 | 5 | 315 | A86 | C9-C8 | 4.79 | 1.47 | 1.34 |
| 30 | 7 | 309 | CLA | C3C-C2C | 4.79 | 1.47 | 1.36 |
| 30 | B | 823 | CLA | C3C-C2C | 4.79 | 1.47 | 1.36 |
| 38 | 10 | 306 | KC1 | OBD-CAD | 4.79 | 1.28 | 1.22 |
| 30 | 12 | 302 | CLA | O2D-CGD | 4.79 | 1.45 | 1.33 |
| 37 | 2 | 319 | A86 | C9-C8 | 4.79 | 1.47 | 1.34 |
| 30 | 2 | 301 | CLA | CHC-C1C | 4.79 | 1.46 | 1.34 |
| 30 | 4 | 304 | CLA | O2D-CGD | 4.79 | 1.45 | 1.33 |
| 30 | A | 843 | CLA | C3B-C2B | 4.78 | 1.46 | 1.40 |
| 30 | A | 835 | CLA | O2D-CGD | 4.78 | 1.45 | 1.33 |
| 38 | 14 | 306 | KC1 | CHC-C4B | 4.78 | 1.47 | 1.38 |
| 37 | 14 | 319 | A86 | C9-C8 | 4.78 | 1.47 | 1.34 |
| 38 | 5 | 312 | KC1 | OBD-CAD | 4.78 | 1.28 | 1.22 |
| 38 | 2 | 312 | KC1 | OBD-CAD | 4.78 | 1.28 | 1.22 |
| 30 | B | 821 | CLA | O2D-CGD | 4.78 | 1.45 | 1.33 |
| 37 | 15 | 317 | A86 | C9-C8 | 4.78 | 1.47 | 1.34 |
| 30 | 8 | 304 | CLA | C3C-C2C | 4.78 | 1.47 | 1.36 |
| 30 | B | 825 | CLA | O2D-CGD | 4.78 | 1.45 | 1.33 |
| 30 | 4 | 302 | CLA | C3C-C2C | 4.77 | 1.47 | 1.36 |
| 38 | 12 | 313 | KC1 | C1A-CHA | 4.77 | 1.52 | 1.40 |
| 30 | 9 | 308 | CLA | O2D-CGD | 4.77 | 1.45 | 1.33 |
| 38 | 9 | 311 | KC1 | CHC-C4B | 4.77 | 1.47 | 1.38 |
| 38 | 7 | 308 | KC1 | O2D-CGD | 4.77 | 1.45 | 1.33 |
| 30 | B | 813 | CLA | C3C-C2C | 4.77 | 1.47 | 1.36 |
| 30 | A | 843 | CLA | C3C-C2C | 4.77 | 1.47 | 1.36 |
| 37 | 5 | 316 | A86 | C9-C8 | 4.77 | 1.47 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 9 | 304 | KC1 | OBD-CAD | 4.77 | 1.28 | 1.22 |
| 30 | 14 | 312 | CLA | C1D-ND | 4.77 | 1.44 | 1.37 |
| 30 | 2u | 202 | CLA | O2D-CGD | 4.77 | 1.44 | 1.33 |
| 30 | 14 | 304 | CLA | C1D-ND | 4.76 | 1.44 | 1.37 |
| 38 | 6 | 312 | KC1 | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 38 | 13 | 305 | KC1 | OBD-CAD | 4.76 | 1.28 | 1.22 |
| 30 | B | 816 | CLA | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 30 | A | 821 | CLA | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 30 | A | 842 | CLA | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 30 | A | 802 | CLA | C3C-C2C | 4.76 | 1.47 | 1.36 |
| 30 | 9 | 306 | CLA | C1D-ND | 4.76 | 1.44 | 1.37 |
| 38 | 13 | 306 | KC1 | CHC-C4B | 4.76 | 1.47 | 1.38 |
| 38 | 10 | 306 | KC1 | O2D-CGD | 4.76 | 1.44 | 1.33 |
| 30 | A | 811 | CLA | O2D-CGD | 4.75 | 1.44 | 1.33 |
| 37 | 15 | 315 | A86 | C10-C11 | 4.75 | 1.47 | 1.34 |
| 38 | 8 | 312 | KC1 | CHB-C1B | 4.75 | 1.47 | 1.38 |
| 30 | A | 815 | CLA | O2D-CGD | 4.75 | 1.44 | 1.33 |
| 30 | A | 840 | CLA | O2D-CGD | 4.75 | 1.44 | 1.33 |
| 38 | 13 | 308 | KC1 | OBD-CAD | 4.75 | 1.28 | 1.22 |
| 38 | 13 | 311 | KC1 | CHB-C1B | 4.75 | 1.47 | 1.38 |
| 37 | 16 | 312 | A86 | C9-C8 | 4.75 | 1.47 | 1.34 |
| 30 | B | 836 | CLA | O2D-CGD | 4.75 | 1.44 | 1.33 |
| 30 | 9 | 301 | CLA | C3C-C2C | 4.74 | 1.47 | 1.36 |
| 30 | 2 | 313 | CLA | C1D-ND | 4.74 | 1.44 | 1.37 |
| 30 | B | 803 | CLA | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 29 | A | 801 | CL0 | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 38 | 8 | 310 | KC1 | OBD-CAD | 4.74 | 1.28 | 1.22 |
| 30 | A | 820 | CLA | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 39 | 7 | 302 | DD6 | C2-C1 | 4.74 | 1.46 | 1.35 |
| 30 | A | 809 | CLA | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 30 | B | 818 | CLA | O2D-CGD | 4.74 | 1.44 | 1.33 |
| 30 | 15 | 302 | CLA | C1D-ND | 4.73 | 1.44 | 1.37 |
| 38 | 8 | 312 | KC1 | OBD-CAD | 4.73 | 1.28 | 1.22 |
| 37 | 14 | 301 | A86 | C9-C8 | 4.73 | 1.47 | 1.34 |
| 30 | B | 816 | CLA | C3C-C2C | 4.73 | 1.47 | 1.36 |
| 30 | 5 | 307 | CLA | O2D-CGD | 4.73 | 1.44 | 1.33 |
| 30 | 3 | 309 | CLA | C1D-ND | 4.73 | 1.44 | 1.37 |
| 38 | 5 | 312 | KC1 | C3C-C2C | 4.73 | 1.47 | 1.36 |
| 30 | 15 | 314 | CLA | C1D-ND | 4.73 | 1.44 | 1.37 |
| 38 | 8 | 313 | KC1 | C1A-NA | -4.73 | 1.28 | 1.38 |
| 30 | 13 | 309 | CLA | C1D-ND | 4.73 | 1.44 | 1.37 |
| 38 | 12 | 309 | KC1 | OBD-CAD | 4.73 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 807 | CLA | O2D-CGD | 4.73 | 1.44 | 1.33 |
| 30 | B | 835 | CLA | O2D-CGD | 4.73 | 1.44 | 1.33 |
| 30 | 7 | 305 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 30 | A | 813 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 30 | 8 | 301 | CLA | C3C-C2C | 4.72 | 1.47 | 1.36 |
| 30 | 10 | 307 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 30 | 4 | 303 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 30 | B | 808 | CLA | O2D-CGD | 4.72 | 1.44 | 1.33 |
| 37 | 7 | 319 | A86 | C9-C8 | 4.72 | 1.47 | 1.34 |
| 30 | 3 | 310 | CLA | C1D-ND | 4.72 | 1.44 | 1.37 |
| 38 | 6 | 308 | KC1 | CHC-C4B | 4.72 | 1.47 | 1.38 |
| 30 | 15 | 303 | CLA | C1D-ND | 4.71 | 1.44 | 1.37 |
| 30 | A | 806 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | B | 806 | CLA | C3C-C2C | 4.71 | 1.46 | 1.36 |
| 38 | 6 | 308 | KC1 | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | 16 | 307 | CLA | C1D-ND | 4.71 | 1.44 | 1.37 |
| 38 | 13 | 305 | KC1 | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | 7 | 307 | CLA | C3C-C2C | 4.71 | 1.46 | 1.36 |
| 37 | 11 | 315 | A86 | C9-C8 | 4.71 | 1.47 | 1.34 |
| 30 | B | 838 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | B | 827 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 37 | 15 | 316 | A86 | C9-C8 | 4.71 | 1.47 | 1.34 |
| 30 | B | 814 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | L | 202 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 37 | 11 | 314 | A86 | C9-C8 | 4.71 | 1.47 | 1.34 |
| 30 | 14 | 313 | CLA | C1D-ND | 4.71 | 1.44 | 1.37 |
| 38 | 6 | 311 | KC1 | C1A-NA | -4.71 | 1.28 | 1.38 |
| 39 | 10 | 313 | DD6 | C2-C1 | 4.71 | 1.46 | 1.35 |
| 30 | A | 805 | CLA | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | 14 | 302 | CLA | C1D-ND | 4.71 | 1.44 | 1.37 |
| 39 | 5 | 314 | DD6 | C13-C14 | 4.71 | 1.43 | 1.32 |
| 38 | 2 | 306 | KC1 | O2D-CGD | 4.71 | 1.44 | 1.33 |
| 30 | B | 812 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 30 | A | 830 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 30 | L | 203 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 30 | 9 | 302 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 37 | 5 | 301 | A86 | C9-C8 | 4.70 | 1.46 | 1.34 |
| 30 | B | 810 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 30 | B | 809 | CLA | C3C-C2C | 4.70 | 1.46 | 1.36 |
| 30 | 8 | 301 | CLA | O2D-CGD | 4.70 | 1.44 | 1.33 |
| 30 | 2 | 307 | CLA | O2D-CGD | 4.69 | 1.44 | 1.33 |
| 37 | 10 | 315 | A86 | O4-C38 | 4.69 | 1.45 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 1 | 305 | CLA | C1D-ND | 4.69 | 1.44 | 1.37 |
| 30 | 5 | 311 | CLA | C1D-ND | 4.69 | 1.44 | 1.37 |
| 30 | 6 | 317 | CLA | C1D-ND | 4.69 | 1.44 | 1.37 |
| 30 | A | 828 | CLA | O2D-CGD | 4.68 | 1.44 | 1.33 |
| 38 | 13 | 305 | KC1 | CHC-C4B | 4.68 | 1.47 | 1.38 |
| 37 | 14 | 318 | A86 | C9-C8 | 4.68 | 1.46 | 1.34 |
| 30 | 6 | 315 | CLA | C1D-ND | 4.68 | 1.44 | 1.37 |
| 38 | 6 | 312 | KC1 | OBD-CAD | 4.68 | 1.28 | 1.22 |
| 30 | A | 829 | CLA | O2D-CGD | 4.68 | 1.44 | 1.33 |
| 30 | A | 812 | CLA | O2D-CGD | 4.67 | 1.44 | 1.33 |
| 38 | 8 | 306 | KC1 | O2D-CGD | 4.67 | 1.44 | 1.33 |
| 30 | 1 | 304 | CLA | C3C-C2C | 4.67 | 1.46 | 1.36 |
| 37 | 15 | 321 | A86 | C9-C8 | 4.67 | 1.46 | 1.34 |
| 39 | 6 | 319 | DD6 | C2-C1 | 4.67 | 1.46 | 1.35 |
| 30 | B | 818 | CLA | C3C-C2C | 4.67 | 1.46 | 1.36 |
| 30 | B | 851 | CLA | C3C-C2C | 4.67 | 1.46 | 1.36 |
| 38 | 13 | 310 | KC1 | CHC-C4B | 4.67 | 1.47 | 1.38 |
| 30 | A | 832 | CLA | O2D-CGD | 4.67 | 1.44 | 1.33 |
| 37 | 15 | 315 | A86 | C17-C18 | -4.67 | 1.45 | 1.52 |
| 30 | A | 807 | CLA | O2D-CGD | 4.67 | 1.44 | 1.33 |
| 38 | 16 | 311 | KC1 | OBD-CAD | 4.67 | 1.28 | 1.22 |
| 38 | 12 | 313 | KC1 | OBD-CAD | 4.67 | 1.28 | 1.22 |
| 30 | A | 844 | CLA | C1D-ND | 4.67 | 1.44 | 1.37 |
| 30 | B | 802 | CLA | C3C-C2C | 4.67 | 1.46 | 1.36 |
| 30 | 14 | 310 | CLA | C1D-ND | 4.66 | 1.44 | 1.37 |
| 38 | 6 | 313 | KC1 | OBD-CAD | 4.66 | 1.28 | 1.22 |
| 30 | 2 | 303 | CLA | O2A-CGA | 4.66 | 1.46 | 1.33 |
| 39 | 13 | 314 | DD6 | C2-C1 | 4.66 | 1.46 | 1.35 |
| 30 | B | 803 | CLA | C3C-C2C | 4.66 | 1.46 | 1.36 |
| 38 | 13 | 312 | KC1 | CHC-C4B | 4.66 | 1.47 | 1.38 |
| 30 | 6 | 314 | CLA | C3C-C2C | 4.66 | 1.46 | 1.36 |
| 38 | 5 | 305 | KC1 | OBD-CAD | 4.66 | 1.28 | 1.22 |
| 38 | 3 | 304 | KC1 | O2D-CGD | 4.66 | 1.44 | 1.33 |
| 38 | 1 | 306 | KC1 | CHC-C4B | 4.66 | 1.47 | 1.38 |
| 37 | 4 | 317 | A86 | C17-C18 | -4.65 | 1.45 | 1.52 |
| 30 | B | 809 | CLA | C3B-C2B | 4.65 | 1.46 | 1.40 |
| 30 | 7 | 306 | CLA | O2D-CGD | 4.65 | 1.44 | 1.33 |
| 30 | 2 | 301 | CLA | C3C-C2C | 4.65 | 1.46 | 1.36 |
| 30 | 14 | 303 | CLA | C1D-ND | 4.65 | 1.44 | 1.37 |
| 37 | 16 | 314 | A86 | C9-C8 | 4.65 | 1.46 | 1.34 |
| 38 | 6 | 313 | KC1 | C1A-NA | -4.65 | 1.28 | 1.38 |
| 30 | B | 823 | CLA | O2D-CGD | 4.65 | 1.44 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 819 | CLA | C3B-C2B | 4.65 | 1.46 | 1.40 |
| 39 | 2 | 317 | DD6 | C2-C1 | 4.65 | 1.46 | 1.35 |
| 39 | 3 | 313 | DD6 | C2-C1 | 4.64 | 1.46 | 1.35 |
| 37 | 8 | 315 | A86 | C17-C18 | -4.64 | 1.45 | 1.52 |
| 37 | 14 | 315 | A86 | C9-C8 | 4.64 | 1.46 | 1.34 |
| 30 | 13 | 301 | CLA | C1D-ND | 4.64 | 1.44 | 1.37 |
| 30 | 6 | 310 | CLA | C1D-ND | 4.64 | 1.44 | 1.37 |
| 30 | B | 834 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 39 | 6 | 303 | DD6 | C2-C1 | 4.64 | 1.46 | 1.35 |
| 30 | A | 818 | CLA | C3C-C2C | 4.64 | 1.46 | 1.36 |
| 38 | 4 | 307 | KC1 | OBD-CAD | 4.64 | 1.28 | 1.22 |
| 30 | A | 827 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 38 | 7 | 313 | KC1 | OBD-CAD | 4.64 | 1.28 | 1.22 |
| 38 | 12 | 311 | KC1 | OBD-CAD | 4.64 | 1.28 | 1.22 |
| 37 | 10 | 316 | A86 | C9-C8 | 4.64 | 1.46 | 1.34 |
| 30 | A | 838 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 37 | 14 | 317 | A86 | C9-C8 | 4.64 | 1.46 | 1.34 |
| 31 | A | 845 | PQN | C10-C5 | 4.64 | 1.48 | 1.40 |
| 38 | 8 | 310 | KC1 | C3C-C2C | 4.64 | 1.46 | 1.36 |
| 30 | A | 810 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 30 | B | 805 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 30 | B | 809 | CLA | O2D-CGD | 4.64 | 1.44 | 1.33 |
| 38 | 2 | 306 | KC1 | CHC-C4B | 4.64 | 1.47 | 1.38 |
| 30 | B | 804 | CLA | O2D-CGD | 4.63 | 1.44 | 1.33 |
| 38 | 1 | 308 | KC1 | OBD-CAD | 4.63 | 1.28 | 1.22 |
| 30 | 2 | 311 | CLA | OBD-CAD | 4.63 | 1.30 | 1.22 |
| 37 | 14 | 314 | A86 | C9-C8 | 4.63 | 1.46 | 1.34 |
| 30 | 15 | 305 | CLA | C1D-ND | 4.63 | 1.43 | 1.37 |
| 30 | A | 809 | CLA | C3C-C2C | 4.62 | 1.46 | 1.36 |
| 37 | 9 | 316 | A86 | O4-C38 | 4.62 | 1.45 | 1.35 |
| 38 | 7 | 313 | KC1 | C1A-NA | -4.62 | 1.28 | 1.38 |
| 30 | B | 824 | CLA | O2D-CGD | 4.61 | 1.44 | 1.33 |
| 38 | 10 | 312 | KC1 | C1A-NA | -4.61 | 1.28 | 1.38 |
| 30 | A | 826 | CLA | O2D-CGD | 4.61 | 1.44 | 1.33 |
| 38 | 8 | 314 | KC1 | O2D-CGD | 4.61 | 1.44 | 1.33 |
| 39 | 10 | 314 | DD6 | C2-C1 | 4.61 | 1.46 | 1.35 |
| 30 | B | 839 | CLA | O2D-CGD | 4.61 | 1.44 | 1.33 |
| 38 | 9 | 310 | KC1 | CHC-C4B | 4.61 | 1.47 | 1.38 |
| 30 | F | 201 | CLA | O2D-CGD | 4.60 | 1.44 | 1.33 |
| 38 | 13 | 306 | KC1 | OBD-CAD | 4.60 | 1.28 | 1.22 |
| 38 | 2 | 314 | KC1 | CHC-C4B | 4.60 | 1.47 | 1.38 |
| 38 | 7 | 308 | KC1 | OBD-CAD | 4.60 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 11 | 301 | A86 | C7-C6 | 4.60 | 1.60 | 1.50 |
| 38 | 8 | 311 | KC1 | OBD-CAD | 4.60 | 1.28 | 1.22 |
| 37 | 4 | 312 | A86 | C17-C18 | -4.60 | 1.45 | 1.52 |
| 37 | 12 | 314 | A86 | C17-C18 | -4.60 | 1.45 | 1.52 |
| 39 | 5 | 313 | DD6 | C2-C1 | 4.60 | 1.46 | 1.35 |
| 30 | B | 801 | CLA | O2D-CGD | 4.60 | 1.44 | 1.33 |
| 30 | 15 | 308 | CLA | O2D-CGD | 4.60 | 1.44 | 1.33 |
| 38 | 5 | 306 | KC1 | C1A-NA | -4.60 | 1.28 | 1.38 |
| 38 | 5 | 306 | KC1 | CHC-C4B | 4.60 | 1.47 | 1.38 |
| 38 | 10 | 312 | KC1 | CHC-C4B | 4.60 | 1.47 | 1.38 |
| 30 | 7 | 303 | CLA | O2D-CGD | 4.60 | 1.44 | 1.33 |
| 38 | 8 | 307 | KC1 | C1A-NA | -4.59 | 1.28 | 1.38 |
| 30 | 12 | 307 | CLA | C3C-C2C | 4.59 | 1.46 | 1.36 |
| 30 | 3 | 305 | CLA | C1D-ND | 4.59 | 1.43 | 1.37 |
| 30 | 9 | 306 | CLA | O2A-CGA | 4.59 | 1.46 | 1.30 |
| 39 | 6 | 318 | DD6 | C2-C1 | 4.59 | 1.46 | 1.35 |
| 37 | 7 | 316 | A86 | C17-C18 | -4.59 | 1.45 | 1.52 |
| 30 | B | 815 | CLA | O2D-CGD | 4.58 | 1.44 | 1.33 |
| 38 | 2 | 312 | KC1 | CHC-C4B | 4.58 | 1.47 | 1.38 |
| 37 | 3 | 314 | A86 | O4-C38 | 4.58 | 1.45 | 1.35 |
| 30 | A | 840 | CLA | C1D-ND | 4.58 | 1.43 | 1.37 |
| 38 | 16 | 311 | KC1 | CHC-C4B | 4.58 | 1.47 | 1.38 |
| 38 | 9 | 310 | KC1 | OBD-CAD | 4.58 | 1.28 | 1.22 |
| 37 | 2u | 205 | A86 | O4-C38 | 4.58 | 1.45 | 1.35 |
| 37 | 2 | 318 | A86 | C9-C8 | 4.58 | 1.46 | 1.34 |
| 30 | 16 | 301 | CLA | C1D-ND | 4.58 | 1.43 | 1.37 |
| 37 | 5 | 316 | A86 | C17-C18 | -4.58 | 1.45 | 1.52 |
| 30 | L | 203 | CLA | O2A-CGA | 4.57 | 1.45 | 1.30 |
| 37 | 9 | 315 | A86 | O4-C38 | 4.57 | 1.45 | 1.35 |
| 30 | 12 | 312 | CLA | C1D-ND | 4.57 | 1.43 | 1.37 |
| 39 | 2 | 316 | DD6 | C2-C1 | 4.57 | 1.46 | 1.35 |
| 37 | 11 | 316 | A86 | C9-C8 | 4.57 | 1.46 | 1.34 |
| 30 | A | 837 | CLA | C1D-ND | 4.57 | 1.43 | 1.37 |
| 38 | 12 | 311 | KC1 | CHC-C4B | 4.57 | 1.47 | 1.38 |
| 38 | 8 | 310 | KC1 | C1A-NA | -4.57 | 1.28 | 1.38 |
| 38 | 9 | 304 | KC1 | C1A-NA | -4.57 | 1.28 | 1.38 |
| 38 | 9 | 311 | KC1 | C1A-NA | -4.57 | 1.28 | 1.38 |
| 30 | 3 | 310 | CLA | O2A-CGA | 4.57 | 1.45 | 1.30 |
| 30 | 15 | 307 | CLA | C1D-ND | 4.57 | 1.43 | 1.37 |
| 30 | 16 | 309 | CLA | O2A-CGA | 4.57 | 1.45 | 1.30 |
| 38 | 3 | 304 | KC1 | CHC-C4B | 4.56 | 1.47 | 1.38 |
| 30 | 14 | 309 | CLA | O2A-CGA | 4.56 | 1.45 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 14 | 304 | CLA | O2A-CGA | 4.56 | 1.45 | 1.30 |
| 38 | 9 | 310 | KC1 | C1A-NA | -4.56 | 1.28 | 1.38 |
| 37 | 12 | 314 | A86 | C9-C8 | 4.56 | 1.46 | 1.34 |
| 37 | 5 | 316 | A86 | O4-C38 | 4.56 | 1.45 | 1.35 |
| 30 | 6 | 304 | CLA | O2D-CGD | 4.56 | 1.44 | 1.33 |
| 30 | A | 804 | CLA | O2D-CGD | 4.56 | 1.44 | 1.33 |
| 30 | 10 | 311 | CLA | O2A-CGA | 4.56 | 1.45 | 1.30 |
| 37 | 6 | 320 | A86 | O4-C38 | 4.56 | 1.45 | 1.35 |
| 37 | 14 | 316 | A86 | C9-C8 | 4.56 | 1.46 | 1.34 |
| 30 | 15 | 314 | CLA | O2A-CGA | 4.56 | 1.45 | 1.30 |
| 38 | 6 | 312 | KC1 | CHC-C4B | 4.56 | 1.47 | 1.38 |
| 30 | 13 | 304 | CLA | O2A-CGA | 4.56 | 1.45 | 1.30 |
| 38 | 6 | 313 | KC1 | CHC-C4B | 4.56 | 1.47 | 1.38 |
| 39 | 3 | 312 | DD6 | C2-C1 | 4.56 | 1.46 | 1.35 |
| 38 | 1 | 306 | KC1 | C1A-NA | -4.55 | 1.28 | 1.38 |
| 38 | 12 | 305 | KC1 | CHC-C4B | 4.55 | 1.47 | 1.38 |
| 30 | 12 | 304 | CLA | C1D-ND | 4.55 | 1.43 | 1.37 |
| 30 | 9 | 305 | CLA | O2D-CGD | 4.55 | 1.44 | 1.33 |
| 30 | 15 | 306 | CLA | O2A-CGA | 4.55 | 1.45 | 1.30 |
| 30 | 3 | 309 | CLA | O2A-CGA | 4.55 | 1.45 | 1.30 |
| 30 | B | 829 | CLA | C3B-C2B | 4.55 | 1.46 | 1.40 |
| 38 | 10 | 310 | KC1 | C1A-NA | -4.55 | 1.28 | 1.38 |
| 38 | 8 | 307 | KC1 | OBD-CAD | 4.54 | 1.28 | 1.22 |
| 37 | 9 | 313 | A86 | O4-C38 | 4.54 | 1.45 | 1.35 |
| 30 | 2 | 305 | CLA | O2D-CGD | 4.54 | 1.44 | 1.33 |
| 38 | 5 | 305 | KC1 | CHC-C4B | 4.54 | 1.47 | 1.38 |
| 30 | 13 | 309 | CLA | O2A-CGA | 4.54 | 1.45 | 1.30 |
| 37 | 2 | 319 | A86 | O4-C38 | 4.54 | 1.45 | 1.35 |
| 37 | 4 | 312 | A86 | C9-C8 | 4.54 | 1.46 | 1.34 |
| 37 | 2 | 319 | A86 | C17-C18 | -4.54 | 1.45 | 1.52 |
| 30 | B | 815 | CLA | O2A-CGA | 4.54 | 1.45 | 1.30 |
| 37 | 6 | 320 | A86 | C9-C8 | 4.54 | 1.46 | 1.34 |
| 37 | 2 | 302 | A86 | C7-C6 | 4.54 | 1.60 | 1.50 |
| 37 | 8 | 315 | A86 | O4-C38 | 4.54 | 1.45 | 1.35 |
| 30 | 2 | 313 | CLA | O2A-CGA | 4.54 | 1.45 | 1.30 |
| 37 | 14 | 301 | A86 | O4-C38 | 4.54 | 1.45 | 1.35 |
| 38 | 3 | 311 | KC1 | CHC-C4B | 4.54 | 1.47 | 1.38 |
| 30 | 15 | 311 | CLA | O2A-CGA | 4.54 | 1.45 | 1.30 |
| 38 | 5 | 310 | KC1 | C1A-NA | -4.54 | 1.28 | 1.38 |
| 38 | 8 | 312 | KC1 | CHC-C4B | 4.54 | 1.47 | 1.38 |
| 38 | 13 | 308 | KC1 | CHC-C4B | 4.54 | 1.47 | 1.38 |
| 30 | 5 | 309 | CLA | C1D-ND | 4.53 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 13 | 315 | A86 | C10-C11 | 4.53 | 1.46 | 1.34 |
| 30 | 9 | 307 | CLA | C1D-ND | 4.53 | 1.43 | 1.37 |
| 30 | 1 | 302 | CLA | O2D-CGD | 4.53 | 1.44 | 1.33 |
| 38 | 4 | 308 | KC1 | C1A-CHA | 4.53 | 1.51 | 1.40 |
| 30 | 5 | 311 | CLA | O2A-CGA | 4.53 | 1.46 | 1.33 |
| 39 | 11 | 313 | DD6 | C2-C1 | 4.53 | 1.46 | 1.35 |
| 38 | 3 | 304 | KC1 | OBD-CAD | 4.53 | 1.28 | 1.22 |
| 30 | 9 | 303 | CLA | C3C-C2C | 4.53 | 1.46 | 1.36 |
| 30 | 6 | 315 | CLA | O2A-CGA | 4.53 | 1.45 | 1.30 |
| 30 | 14 | 312 | CLA | O2A-CGA | 4.53 | 1.45 | 1.30 |
| 38 | 8 | 313 | KC1 | CHC-C4B | 4.53 | 1.47 | 1.38 |
| 30 | 5 | 302 | CLA | O2D-CGD | 4.53 | 1.44 | 1.33 |
| 30 | A | 802 | CLA | O2D-CGD | 4.53 | 1.44 | 1.33 |
| 30 | 1 | 302 | CLA | C1D-ND | 4.53 | 1.43 | 1.37 |
| 30 | 16 | 310 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 37 | 14 | 320 | A86 | O4-C38 | 4.52 | 1.45 | 1.35 |
| 30 | 15 | 305 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 38 | 2 | 314 | KC1 | C1A-NA | -4.52 | 1.28 | 1.38 |
| 37 | 15 | 320 | A86 | O4-C38 | 4.52 | 1.45 | 1.35 |
| 39 | 12 | 315 | DD6 | C2-C1 | 4.52 | 1.46 | 1.35 |
| 37 | 4 | 312 | A86 | O4-C38 | 4.52 | 1.45 | 1.35 |
| 37 | 1 | 309 | A86 | C9-C8 | 4.52 | 1.46 | 1.34 |
| 30 | 6 | 306 | CLA | C1D-ND | 4.52 | 1.43 | 1.37 |
| 30 | A | 834 | CLA | O2D-CGD | 4.52 | 1.44 | 1.33 |
| 30 | 10 | 309 | CLA | C1D-ND | 4.52 | 1.43 | 1.37 |
| 37 | 11 | 314 | A86 | O4-C38 | 4.52 | 1.45 | 1.35 |
| 37 | 11 | 315 | A86 | O4-C38 | 4.52 | 1.45 | 1.35 |
| 38 | 5 | 312 | KC1 | C1A-NA | -4.52 | 1.28 | 1.38 |
| 30 | 2 | 311 | CLA | C1D-ND | 4.52 | 1.43 | 1.37 |
| 30 | 15 | 314 | CLA | O2D-CGD | 4.52 | 1.44 | 1.33 |
| 30 | A | 837 | CLA | O2A-CGA | 4.52 | 1.45 | 1.30 |
| 30 | 16 | 308 | CLA | O2A-CGA | 4.51 | 1.45 | 1.30 |
| 38 | 11 | 307 | KC1 | CHC-C4B | 4.51 | 1.47 | 1.38 |
| 37 | 3 | 315 | A86 | C17-C18 | -4.51 | 1.45 | 1.52 |
| 30 | 15 | 310 | CLA | O2A-CGA | 4.51 | 1.45 | 1.30 |
| 38 | 10 | 310 | KC1 | OBD-CAD | 4.51 | 1.28 | 1.22 |
| 37 | 12 | 314 | A86 | O4-C38 | 4.51 | 1.45 | 1.35 |
| 37 | 11 | 316 | A86 | O4-C38 | 4.51 | 1.45 | 1.35 |
| 37 | 16 | 312 | A86 | O4-C38 | 4.51 | 1.45 | 1.35 |
| 38 | 12 | 313 | KC1 | C3D-C2D | 4.51 | 1.47 | 1.39 |
| 38 | 11 | 305 | KC1 | CHC-C4B | 4.51 | 1.47 | 1.38 |
| 30 | 14 | 309 | CLA | CHD-C1D | 4.51 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 4 | 310 | KC1 | CHC-C4B | 4.51 | 1.47 | 1.38 |
| 30 | 15 | 312 | CLA | O2A-CGA | 4.51 | 1.45 | 1.30 |
| 30 | A | 806 | CLA | C3C-C2C | 4.51 | 1.46 | 1.36 |
| 30 | 16 | 310 | CLA | C1D-ND | 4.51 | 1.43 | 1.37 |
| 37 | 4 | 314 | A86 | C7-C6 | 4.51 | 1.60 | 1.50 |
| 30 | 15 | 308 | CLA | O2A-CGA | 4.51 | 1.45 | 1.30 |
| 30 | 13 | 302 | CLA | C1D-ND | 4.51 | 1.43 | 1.37 |
| 37 | 10 | 301 | A86 | O4-C38 | 4.51 | 1.45 | 1.35 |
| 37 | 10 | 317 | A86 | O4-C38 | 4.50 | 1.45 | 1.35 |
| 38 | 11 | 305 | KC1 | C1A-NA | -4.50 | 1.28 | 1.38 |
| 38 | 1 | 308 | KC1 | C1A-NA | -4.50 | 1.28 | 1.38 |
| 38 | 9 | 312 | KC1 | CHB-C1B | 4.50 | 1.47 | 1.38 |
| 37 | 14 | 319 | A86 | O4-C38 | 4.50 | 1.45 | 1.35 |
| 37 | 4 | 317 | A86 | C9-C8 | 4.50 | 1.46 | 1.34 |
| 30 | J | 101 | CLA | O2A-CGA | 4.50 | 1.45 | 1.30 |
| 30 | B | 801 | CLA | C3C-C2C | 4.50 | 1.46 | 1.36 |
| 39 | 7 | 314 | DD6 | C2-C1 | 4.50 | 1.46 | 1.35 |
| 30 | 4 | 311 | CLA | C1D-ND | 4.50 | 1.43 | 1.37 |
| 39 | 2 | 315 | DD6 | C2-C1 | 4.50 | 1.46 | 1.35 |
| 30 | 1 | 307 | CLA | C1D-ND | 4.50 | 1.43 | 1.37 |
| 38 | 9 | 312 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 39 | 16 | 313 | DD6 | C2-C1 | 4.49 | 1.46 | 1.35 |
| 38 | 7 | 308 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 30 | 2 | 301 | CLA | O2A-CGA | 4.49 | 1.46 | 1.33 |
| 30 | 16 | 303 | CLA | O2A-CGA | 4.49 | 1.46 | 1.33 |
| 37 | 2 | 302 | A86 | O4-C38 | 4.49 | 1.45 | 1.35 |
| 38 | 14 | 308 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 38 | 2 | 306 | KC1 | C1A-NA | -4.49 | 1.28 | 1.38 |
| 30 | J | 101 | CLA | C1D-ND | 4.49 | 1.43 | 1.37 |
| 30 | A | 831 | CLA | O2D-CGD | 4.49 | 1.44 | 1.33 |
| 30 | B | 813 | CLA | O2D-CGD | 4.49 | 1.44 | 1.33 |
| 38 | 14 | 311 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 37 | 15 | 322 | A86 | C7-C6 | 4.49 | 1.59 | 1.50 |
| 30 | 11 | 310 | CLA | CHD-C1D | 4.49 | 1.47 | 1.38 |
| 37 | 2u | 203 | A86 | C17-C18 | -4.49 | 1.46 | 1.52 |
| 38 | 1 | 308 | KC1 | CHC-C4B | 4.49 | 1.47 | 1.38 |
| 38 | 7 | 308 | KC1 | C1A-NA | -4.49 | 1.28 | 1.38 |
| 37 | 14 | 319 | A86 | C7-C6 | 4.49 | 1.59 | 1.50 |
| 38 | 11 | 311 | KC1 | C1A-NA | -4.49 | 1.28 | 1.38 |
| 30 | B | 820 | CLA | O2A-CGA | 4.49 | 1.45 | 1.30 |
| 37 | 14 | 315 | A86 | C17-C18 | -4.49 | 1.46 | 1.52 |
| 30 | F | 203 | CLA | O2A-CGA | 4.49 | 1.45 | 1.30 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 1 | 307 | CLA | OBD-CAD | 4.48 | 1.30 | 1.22 |
| 39 | 12 | 317 | DD6 | C2-C1 | 4.48 | 1.46 | 1.35 |
| 37 | 5 | 315 | A86 | O4-C38 | 4.48 | 1.45 | 1.35 |
| 39 | 4 | 316 | DD6 | C2-C1 | 4.48 | 1.46 | 1.35 |
| 30 | A | 839 | CLA | O2D-CGD | 4.48 | 1.44 | 1.33 |
| 30 | 10 | 303 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 37 | 10 | 302 | A86 | O4-C38 | 4.48 | 1.45 | 1.35 |
| 30 | 11 | 308 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 38 | 3 | 308 | KC1 | OBD-CAD | 4.48 | 1.28 | 1.22 |
| 30 | 2 | 309 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 37 | 15 | 320 | A86 | C10-C11 | 4.48 | 1.46 | 1.34 |
| 30 | B | 812 | CLA | O2A-CGA | 4.48 | 1.46 | 1.33 |
| 37 | 8 | 318 | A86 | C9-C8 | 4.48 | 1.46 | 1.34 |
| 30 | 2 | 310 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 30 | 3 | 303 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 30 | 7 | 310 | CLA | C1D-ND | 4.48 | 1.43 | 1.37 |
| 37 | 7 | 319 | A86 | O4-C38 | 4.48 | 1.45 | 1.35 |
| 38 | 16 | 304 | KC1 | CHC-C4B | 4.48 | 1.47 | 1.38 |
| 37 | 15 | 321 | A86 | C7-C6 | 4.47 | 1.59 | 1.50 |
| 37 | 10 | 316 | A86 | C17-C18 | -4.47 | 1.46 | 1.52 |
| 38 | 9 | 312 | KC1 | C1A-NA | -4.47 | 1.28 | 1.38 |
| 37 | 4 | 315 | A86 | C9-C8 | 4.47 | 1.46 | 1.34 |
| 38 | 4 | 307 | KC1 | C1A-NA | -4.47 | 1.28 | 1.38 |
| 37 | 9 | 313 | A86 | C9-C8 | 4.47 | 1.46 | 1.34 |
| 39 | 7 | 317 | DD6 | C2-C1 | 4.47 | 1.46 | 1.35 |
| 37 | 14 | 301 | A86 | C21-C20 | 4.47 | 1.58 | 1.51 |
| 30 | A | 825 | CLA | C1D-ND | 4.47 | 1.43 | 1.37 |
| 38 | 11 | 312 | KC1 | C1A-CHA | 4.47 | 1.51 | 1.40 |
| 30 | 9 | 305 | CLA | C1D-ND | 4.46 | 1.43 | 1.37 |
| 39 | 3 | 316 | DD6 | C2-C1 | 4.46 | 1.46 | 1.35 |
| 38 | 8 | 307 | KC1 | CHC-C4B | 4.46 | 1.47 | 1.38 |
| 38 | 13 | 305 | KC1 | C1A-CHA | 4.46 | 1.51 | 1.40 |
| 38 | 5 | 312 | KC1 | CHC-C4B | 4.46 | 1.47 | 1.38 |
| 37 | 13 | 315 | A86 | O4-C38 | 4.46 | 1.45 | 1.35 |
| 38 | 13 | 308 | KC1 | C1A-NA | -4.46 | 1.28 | 1.38 |
| 30 | 7 | 303 | CLA | O2A-CGA | 4.46 | 1.46 | 1.33 |
| 30 | 6 | 306 | CLA | O2A-CGA | 4.46 | 1.46 | 1.33 |
| 30 | 11 | 304 | CLA | C1D-ND | 4.46 | 1.43 | 1.37 |
| 30 | 1 | 305 | CLA | CHD-C1D | 4.46 | 1.47 | 1.38 |
| 38 | 7 | 313 | KC1 | CHC-C4B | 4.46 | 1.47 | 1.38 |
| 37 | 14 | 314 | A86 | O4-C38 | 4.45 | 1.45 | 1.35 |
| 30 | A | 835 | CLA | C1D-ND | 4.45 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 2 | 318 | A86 | C17-C18 | -4.45 | 1.46 | 1.52 |
| 37 | 10 | 302 | A86 | C7-C6 | 4.45 | 1.59 | 1.50 |
| 37 | 14 | 320 | A86 | C7-C6 | 4.45 | 1.59 | 1.50 |
| 37 | 16 | 312 | A86 | C10-C11 | 4.45 | 1.46 | 1.34 |
| 30 | 11 | 306 | CLA | O2A-CGA | 4.45 | 1.46 | 1.33 |
| 30 | 10 | 304 | CLA | C1D-ND | 4.45 | 1.43 | 1.37 |
| 37 | 15 | 317 | A86 | O4-C38 | 4.45 | 1.45 | 1.35 |
| 37 | 14 | 318 | A86 | O4-C38 | 4.45 | 1.45 | 1.35 |
| 39 | 7 | 318 | DD6 | C2-C1 | 4.45 | 1.46 | 1.35 |
| 30 | 7 | 309 | CLA | C1D-ND | 4.45 | 1.43 | 1.37 |
| 30 | 2 | 303 | CLA | C3D-C2D | 4.45 | 1.51 | 1.39 |
| 30 | 9 | 301 | CLA | O2D-CGD | 4.45 | 1.44 | 1.33 |
| 37 | 7 | 315 | A86 | C9-C8 | 4.45 | 1.46 | 1.34 |
| 37 | 2u | 203 | A86 | C7-C6 | 4.45 | 1.59 | 1.50 |
| 30 | 14 | 305 | CLA | C1D-ND | 4.44 | 1.43 | 1.37 |
| 38 | 9 | 311 | KC1 | CHB-C1B | 4.44 | 1.47 | 1.38 |
| 38 | 9 | 304 | KC1 | CHC-C4B | 4.44 | 1.47 | 1.38 |
| 37 | 2 | 318 | A86 | O4-C38 | 4.44 | 1.45 | 1.35 |
| 30 | 1 | 303 | CLA | O2D-CGD | 4.44 | 1.44 | 1.33 |
| 37 | 15 | 317 | A86 | C17-C18 | -4.44 | 1.46 | 1.52 |
| 37 | 15 | 323 | A86 | O4-C38 | 4.44 | 1.45 | 1.35 |
| 37 | 15 | 323 | A86 | C7-C6 | 4.44 | 1.59 | 1.50 |
| 38 | 8 | 311 | KC1 | CHC-C4B | 4.44 | 1.47 | 1.38 |
| 38 | 10 | 306 | KC1 | CHC-C4B | 4.44 | 1.47 | 1.38 |
| 31 | B | 840 | PQN | C10-C5 | 4.44 | 1.47 | 1.40 |
| 30 | A | 814 | CLA | C3C-C2C | 4.44 | 1.46 | 1.36 |
| 39 | 8 | 317 | DD6 | C2-C1 | 4.44 | 1.46 | 1.35 |
| 38 | 8 | 306 | KC1 | C1A-NA | -4.44 | 1.28 | 1.38 |
| 30 | 7 | 305 | CLA | C1D-ND | 4.43 | 1.43 | 1.37 |
| 30 | 15 | 312 | CLA | CHD-C1D | 4.43 | 1.47 | 1.38 |
| 37 | 15 | 317 | A86 | C7-C6 | 4.43 | 1.59 | 1.50 |
| 30 | 16 | 305 | CLA | C1D-ND | 4.43 | 1.43 | 1.37 |
| 37 | 15 | 315 | A86 | O4-C38 | 4.43 | 1.45 | 1.35 |
| 37 | 2u | 205 | A86 | C10-C11 | 4.43 | 1.46 | 1.34 |
| 37 | 15 | 323 | A86 | C17-C18 | -4.43 | 1.46 | 1.52 |
| 39 | 1 | 310 | DD6 | C2-C1 | 4.43 | 1.46 | 1.35 |
| 37 | 12 | 316 | A86 | C17-C18 | -4.43 | 1.46 | 1.52 |
| 38 | 6 | 312 | KC1 | C1A-NA | -4.43 | 1.28 | 1.38 |
| 38 | 12 | 313 | KC1 | CHC-C4B | 4.43 | 1.47 | 1.38 |
| 30 | 15 | 304 | CLA | O2A-CGA | 4.43 | 1.46 | 1.33 |
| 30 | 16 | 302 | CLA | C1D-ND | 4.42 | 1.43 | 1.37 |
| 38 | 11 | 307 | KC1 | C1A-NA | -4.42 | 1.28 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 830 | CLA | O2A-CGA | 4.42 | 1.46 | 1.33 |
| 30 | 15 | 302 | CLA | O2A-CGA | 4.42 | 1.46 | 1.33 |
| 38 | 5 | 305 | KC1 | CHB-C1B | 4.42 | 1.47 | 1.38 |
| 37 | 4 | 315 | A86 | O4-C38 | 4.42 | 1.45 | 1.35 |
| 30 | 12 | 310 | CLA | C1D-ND | 4.42 | 1.43 | 1.37 |
| 38 | 11 | 311 | KC1 | CHC-C4B | 4.42 | 1.47 | 1.38 |
| 38 | 8 | 314 | KC1 | CHC-C4B | 4.41 | 1.47 | 1.38 |
| 38 | 12 | 309 | KC1 | C1A-CHA | 4.41 | 1.51 | 1.40 |
| 37 | 16 | 314 | A86 | O4-C38 | 4.41 | 1.45 | 1.35 |
| 37 | 11 | 316 | A86 | C7-C6 | 4.41 | 1.59 | 1.50 |
| 38 | 13 | 312 | KC1 | CHB-C1B | 4.41 | 1.47 | 1.38 |
| 38 | 12 | 305 | KC1 | C1A-NA | -4.41 | 1.28 | 1.38 |
| 30 | 6 | 316 | CLA | O2A-CGA | 4.41 | 1.46 | 1.33 |
| 37 | 9 | 316 | A86 | C7-C6 | 4.41 | 1.59 | 1.50 |
| 37 | 14 | 316 | A86 | O4-C38 | 4.41 | 1.44 | 1.35 |
| 38 | 3 | 311 | KC1 | C1A-NA | -4.41 | 1.28 | 1.38 |
| 37 | 14 | 317 | A86 | C17-C18 | -4.41 | 1.46 | 1.52 |
| 38 | 8 | 311 | KC1 | C1A-NA | -4.40 | 1.28 | 1.38 |
| 38 | 14 | 306 | KC1 | C1A-NA | -4.40 | 1.28 | 1.38 |
| 37 | 3 | 315 | A86 | O4-C38 | 4.40 | 1.44 | 1.35 |
| 30 | 5 | 307 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 30 | 6 | 314 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 38 | 2 | 312 | KC1 | C1A-NA | -4.40 | 1.28 | 1.38 |
| 37 | 12 | 316 | A86 | O4-C38 | 4.40 | 1.44 | 1.35 |
| 30 | 8 | 309 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 37 | 11 | 314 | A86 | C7-C6 | 4.40 | 1.59 | 1.50 |
| 38 | 13 | 306 | KC1 | CHB-C1B | 4.40 | 1.47 | 1.38 |
| 30 | 4 | 302 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 30 | B | 851 | CLA | C1D-ND | 4.40 | 1.43 | 1.37 |
| 37 | 15 | 315 | A86 | C7-C6 | 4.39 | 1.59 | 1.50 |
| 37 | 14 | 315 | A86 | C7-C6 | 4.39 | 1.59 | 1.50 |
| 30 | 13 | 307 | CLA | CHD-C1D | 4.39 | 1.47 | 1.38 |
| 38 | 6 | 312 | KC1 | CHB-C1B | 4.39 | 1.47 | 1.38 |
| 38 | 4 | 310 | KC1 | C1A-NA | -4.39 | 1.28 | 1.38 |
| 38 | 10 | 306 | KC1 | CHB-C1B | 4.39 | 1.47 | 1.38 |
| 39 | 9 | 314 | DD6 | C2-C1 | 4.39 | 1.45 | 1.35 |
| 30 | B | 828 | CLA | O2D-CGD | 4.39 | 1.44 | 1.33 |
| 37 | 13 | 315 | A86 | C7-C6 | 4.39 | 1.59 | 1.50 |
| 30 | 8 | 308 | CLA | C1D-ND | 4.39 | 1.43 | 1.37 |
| 37 | 4 | 314 | A86 | C21-C20 | 4.38 | 1.58 | 1.51 |
| 30 | 12 | 308 | CLA | C1D-ND | 4.38 | 1.43 | 1.37 |
| 30 | 14 | 307 | CLA | C1D-ND | 4.38 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 11 | 305 | KC1 | CHB-C1B | 4.38 | 1.47 | 1.38 |
| 30 | A | 814 | CLA | O2D-CGD | 4.38 | 1.44 | 1.33 |
| 30 | A | 814 | CLA | C1D-ND | 4.38 | 1.43 | 1.37 |
| 37 | 2u | 203 | A86 | C10-C11 | 4.38 | 1.46 | 1.34 |
| 37 | 15 | 320 | A86 | C7-C6 | 4.38 | 1.59 | 1.50 |
| 30 | A | 835 | CLA | O2A-CGA | 4.38 | 1.46 | 1.33 |
| 38 | 11 | 305 | KC1 | OBD-CAD | 4.38 | 1.28 | 1.22 |
| 30 | 10 | 305 | CLA | O2A-CGA | 4.38 | 1.46 | 1.33 |
| 37 | 4 | 317 | A86 | O4-C38 | 4.37 | 1.44 | 1.35 |
| 38 | 11 | 307 | KC1 | CHB-C1B | 4.37 | 1.47 | 1.38 |
| 37 | 15 | 322 | A86 | O4-C38 | 4.37 | 1.44 | 1.35 |
| 37 | 14 | 301 | A86 | C7-C6 | 4.37 | 1.59 | 1.50 |
| 30 | 6 | 305 | CLA | C1D-ND | 4.37 | 1.43 | 1.37 |
| 38 | 3 | 308 | KC1 | CHB-C1B | 4.37 | 1.47 | 1.38 |
| 39 | 8 | 316 | DD6 | C2-C1 | 4.37 | 1.45 | 1.35 |
| 38 | 6 | 313 | KC1 | CHB-C1B | 4.37 | 1.46 | 1.38 |
| 37 | 14 | 317 | A86 | O4-C38 | 4.37 | 1.44 | 1.35 |
| 37 | 16 | 312 | A86 | C7-C6 | 4.37 | 1.59 | 1.50 |
| 30 | 13 | 304 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 37 | 4 | 315 | A86 | C7-C6 | 4.37 | 1.59 | 1.50 |
| 37 | 11 | 301 | A86 | O4-C38 | 4.37 | 1.44 | 1.35 |
| 37 | 10 | 317 | A86 | C7-C6 | 4.37 | 1.59 | 1.50 |
| 38 | 1 | 306 | KC1 | CHB-C1B | 4.37 | 1.46 | 1.38 |
| 30 | 3 | 307 | CLA | CHD-C1D | 4.37 | 1.46 | 1.38 |
| 38 | 7 | 308 | KC1 | CHB-C1B | 4.37 | 1.46 | 1.38 |
| 30 | 5 | 304 | CLA | O2A-CGA | 4.36 | 1.46 | 1.33 |
| 37 | 16 | 314 | A86 | C7-C6 | 4.36 | 1.59 | 1.50 |
| 30 | 5 | 303 | CLA | O2A-CGA | 4.36 | 1.46 | 1.33 |
| 37 | 14 | 320 | A86 | C21-C20 | 4.36 | 1.58 | 1.51 |
| 30 | 14 | 307 | CLA | O2A-CGA | 4.36 | 1.46 | 1.33 |
| 37 | 15 | 316 | A86 | C7-C6 | 4.36 | 1.59 | 1.50 |
| 39 | 4 | 313 | DD6 | C2-C1 | 4.36 | 1.45 | 1.35 |
| 38 | 4 | 307 | KC1 | CHC-C4B | 4.36 | 1.46 | 1.38 |
| 37 | 5 | 301 | A86 | O4-C38 | 4.36 | 1.44 | 1.35 |
| 38 | 14 | 311 | KC1 | CHB-C1B | 4.36 | 1.46 | 1.38 |
| 30 | B | 802 | CLA | O2D-CGD | 4.36 | 1.43 | 1.33 |
| 37 | 13 | 313 | A86 | C10-C11 | 4.36 | 1.46 | 1.34 |
| 38 | 13 | 312 | KC1 | C1A-CHA | 4.36 | 1.51 | 1.40 |
| 30 | 12 | 321 | CLA | O2A-CGA | 4.36 | 1.46 | 1.33 |
| 37 | 16 | 312 | A86 | C21-C20 | 4.35 | 1.58 | 1.51 |
| 30 | 10 | 309 | CLA | O2A-CGA | 4.35 | 1.46 | 1.33 |
| 37 | 11 | 316 | A86 | C17-C18 | -4.35 | 1.46 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 823 | CLA | O2A-CGA | 4.35 | 1.46 | 1.33 |
| 38 | 6 | 308 | KC1 | C1A-CHA | 4.35 | 1.51 | 1.40 |
| 30 | L | 203 | CLA | C1D-ND | 4.35 | 1.43 | 1.37 |
| 37 | 9 | 313 | A86 | C7-C6 | 4.35 | 1.59 | 1.50 |
| 37 | 14 | 318 | A86 | C17-C18 | -4.35 | 1.46 | 1.52 |
| 38 | 2 | 312 | KC1 | CHB-C1B | 4.35 | 1.46 | 1.38 |
| 37 | 15 | 316 | A86 | O4-C38 | 4.35 | 1.44 | 1.35 |
| 37 | 14 | 319 | A86 | C21-C20 | 4.35 | 1.58 | 1.51 |
| 30 | A | 817 | CLA | C1D-ND | 4.35 | 1.43 | 1.37 |
| 37 | 2u | 203 | A86 | O4-C38 | 4.34 | 1.44 | 1.35 |
| 37 | 1 | 309 | A86 | O4-C38 | 4.34 | 1.44 | 1.35 |
| 38 | 9 | 304 | KC1 | CHB-C1B | 4.34 | 1.46 | 1.38 |
| 30 | 6 | 307 | CLA | CHD-C1D | 4.34 | 1.46 | 1.38 |
| 30 | A | 815 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 30 | 10 | 305 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 37 | 14 | 319 | A86 | C10-C11 | 4.34 | 1.46 | 1.34 |
| 30 | 13 | 303 | CLA | O2A-CGA | 4.34 | 1.46 | 1.33 |
| 30 | A | 815 | CLA | O2A-CGA | 4.34 | 1.46 | 1.33 |
| 30 | 15 | 308 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 30 | 10 | 308 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 30 | A | 829 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 37 | 4 | 314 | A86 | O4-C38 | 4.34 | 1.44 | 1.35 |
| 30 | F | 203 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 30 | 1 | 303 | CLA | C1D-ND | 4.34 | 1.43 | 1.37 |
| 38 | 12 | 309 | KC1 | CHC-C4B | 4.34 | 1.46 | 1.38 |
| 38 | 16 | 304 | KC1 | C1A-NA | -4.34 | 1.28 | 1.38 |
| 38 | 8 | 314 | KC1 | C1A-CHA | 4.33 | 1.51 | 1.40 |
| 30 | 4 | 309 | CLA | CHD-C1D | 4.33 | 1.46 | 1.38 |
| 37 | 11 | 301 | A86 | C21-C20 | 4.33 | 1.58 | 1.51 |
| 30 | 15 | 303 | CLA | O2A-CGA | 4.33 | 1.46 | 1.33 |
| 37 | 10 | 301 | A86 | C17-C18 | -4.33 | 1.46 | 1.52 |
| 30 | 2 | 308 | CLA | O2A-CGA | 4.33 | 1.46 | 1.33 |
| 38 | 13 | 308 | KC1 | CHB-C1B | 4.33 | 1.46 | 1.38 |
| 37 | 1 | 309 | A86 | C7-C6 | 4.33 | 1.59 | 1.50 |
| 30 | 7 | 307 | CLA | C1D-ND | 4.33 | 1.43 | 1.37 |
| 30 | 9 | 306 | CLA | CHD-C1D | 4.33 | 1.46 | 1.38 |
| 30 | 12 | 303 | CLA | C1D-ND | 4.33 | 1.43 | 1.37 |
| 39 | 15 | 319 | DD6 | C2-C1 | 4.33 | 1.45 | 1.35 |
| 30 | A | 838 | CLA | O2A-CGA | 4.32 | 1.46 | 1.33 |
| 30 | 4 | 304 | CLA | C1D-ND | 4.32 | 1.43 | 1.37 |
| 37 | 10 | 301 | A86 | C9-C8 | 4.32 | 1.46 | 1.34 |
| 37 | 4 | 317 | A86 | C7-C6 | 4.32 | 1.59 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 13 | 303 | CLA | CHD-C1D | 4.32 | 1.46 | 1.38 |
| 37 | 14 | 318 | A86 | C21-C20 | 4.32 | 1.58 | 1.51 |
| 38 | 3 | 304 | KC1 | C1A-CHA | 4.32 | 1.51 | 1.40 |
| 37 | 14 | 314 | A86 | C21-C20 | 4.32 | 1.58 | 1.51 |
| 37 | 12 | 314 | A86 | C21-C20 | 4.32 | 1.58 | 1.51 |
| 38 | 14 | 311 | KC1 | C1A-CHA | 4.32 | 1.51 | 1.40 |
| 30 | 11 | 308 | CLA | O2A-CGA | 4.32 | 1.45 | 1.33 |
| 38 | 8 | 313 | KC1 | OBD-CAD | 4.32 | 1.28 | 1.22 |
| 38 | 5 | 310 | KC1 | CHC-C4B | 4.32 | 1.46 | 1.38 |
| 30 | B | 833 | CLA | C1D-ND | 4.32 | 1.43 | 1.37 |
| 37 | 14 | 314 | A86 | C10-C11 | 4.32 | 1.46 | 1.34 |
| 38 | 8 | 310 | KC1 | CHC-C4B | 4.32 | 1.46 | 1.38 |
| 30 | 1 | 305 | CLA | O2A-CGA | 4.32 | 1.45 | 1.33 |
| 30 | B | 812 | CLA | C1D-ND | 4.31 | 1.43 | 1.37 |
| 30 | 14 | 312 | CLA | CHD-C1D | 4.31 | 1.46 | 1.38 |
| 38 | 11 | 312 | KC1 | CHB-C1B | 4.31 | 1.46 | 1.38 |
| 37 | 15 | 323 | A86 | C21-C20 | 4.31 | 1.58 | 1.51 |
| 37 | 15 | 322 | A86 | C10-C11 | 4.31 | 1.46 | 1.34 |
| 30 | 2 | 309 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | 8 | 309 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | B | 827 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | 4 | 303 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | 1 | 301 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | 9 | 305 | CLA | O2A-CGA | 4.31 | 1.45 | 1.33 |
| 30 | B | 806 | CLA | C1D-ND | 4.31 | 1.43 | 1.37 |
| 30 | 6 | 304 | CLA | C1D-ND | 4.31 | 1.43 | 1.37 |
| 37 | 14 | 317 | A86 | C7-C6 | 4.31 | 1.59 | 1.50 |
| 30 | A | 825 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 30 | 16 | 306 | CLA | O2A-CGA | 4.30 | 1.45 | 1.33 |
| 30 | 6 | 310 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 38 | 8 | 306 | KC1 | CHC-C4B | 4.30 | 1.46 | 1.38 |
| 30 | 1 | 304 | CLA | O2A-CGA | 4.30 | 1.45 | 1.33 |
| 30 | 14 | 303 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 30 | 16 | 307 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 38 | 6 | 308 | KC1 | C1A-NA | -4.30 | 1.29 | 1.38 |
| 37 | 14 | 315 | A86 | C21-C20 | 4.30 | 1.58 | 1.51 |
| 30 | 15 | 309 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 37 | 15 | 321 | A86 | O4-C38 | 4.30 | 1.44 | 1.35 |
| 38 | 8 | 310 | KC1 | C1A-CHA | 4.30 | 1.51 | 1.40 |
| 38 | 12 | 311 | KC1 | C1A-NA | -4.30 | 1.29 | 1.38 |
| 30 | B | 816 | CLA | C1D-ND | 4.30 | 1.43 | 1.37 |
| 38 | 6 | 308 | KC1 | OBD-CAD | 4.30 | 1.27 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 833 | CLA | C1D-ND | 4.30 | 1.43 | 1.37 |
| 30 | 2 | 304 | CLA | C1D-ND | 4.30 | 1.43 | 1.37 |
| 38 | 13 | 306 | KC1 | C1A-NA | -4.30 | 1.29 | 1.38 |
| 37 | 2u | 205 | A86 | C7-C6 | 4.30 | 1.59 | 1.50 |
| 30 | 15 | 311 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 30 | A | 820 | CLA | CHD-C1D | 4.30 | 1.46 | 1.38 |
| 37 | 13 | 315 | A86 | C17-C18 | -4.30 | 1.46 | 1.52 |
| 38 | 10 | 310 | KC1 | CHC-C4B | 4.30 | 1.46 | 1.38 |
| 38 | 13 | 310 | KC1 | C1A-NA | -4.30 | 1.29 | 1.38 |
| 39 | 5 | 314 | DD6 | C2-C1 | 4.30 | 1.45 | 1.35 |
| 30 | A | 834 | CLA | C1D-ND | 4.29 | 1.43 | 1.37 |
| 38 | 16 | 311 | KC1 | C1A-CHA | 4.29 | 1.51 | 1.40 |
| 37 | 14 | 320 | A86 | C10-C11 | 4.29 | 1.46 | 1.34 |
| 30 | A | 813 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 30 | 7 | 305 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 30 | A | 804 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 38 | 11 | 307 | KC1 | C1A-CHA | 4.29 | 1.51 | 1.40 |
| 37 | 15 | 317 | A86 | C21-C20 | 4.29 | 1.58 | 1.51 |
| 38 | 13 | 305 | KC1 | CHB-C1B | 4.29 | 1.46 | 1.38 |
| 30 | 15 | 307 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 30 | B | 825 | CLA | C1D-ND | 4.29 | 1.43 | 1.37 |
| 30 | 2 | 305 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 30 | 2 | 303 | CLA | CHD-C1D | 4.29 | 1.46 | 1.38 |
| 30 | 7 | 310 | CLA | CHD-C1D | 4.29 | 1.46 | 1.38 |
| 30 | A | 822 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 30 | B | 816 | CLA | O2A-CGA | 4.29 | 1.45 | 1.33 |
| 37 | 10 | 317 | A86 | C10-C11 | 4.29 | 1.46 | 1.34 |
| 30 | 16 | 309 | CLA | CHD-C1D | 4.29 | 1.46 | 1.38 |
| 38 | 12 | 305 | KC1 | CHB-C1B | 4.28 | 1.46 | 1.38 |
| 30 | 8 | 309 | CLA | CHD-C1D | 4.28 | 1.46 | 1.38 |
| 38 | 12 | 311 | KC1 | C1A-CHA | 4.28 | 1.51 | 1.40 |
| 37 | 5 | 301 | A86 | C7-C6 | 4.28 | 1.59 | 1.50 |
| 30 | 7 | 312 | CLA | CHD-C1D | 4.28 | 1.46 | 1.38 |
| 30 | A | 825 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 30 | B | 814 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 30 | 14 | 305 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 37 | 12 | 316 | A86 | C7-C6 | 4.28 | 1.59 | 1.50 |
| 30 | 5 | 303 | CLA | C1D-ND | 4.28 | 1.43 | 1.37 |
| 37 | 2 | 318 | A86 | C21-C20 | 4.28 | 1.58 | 1.51 |
| 37 | 16 | 314 | A86 | C19-C18 | 4.28 | 1.58 | 1.52 |
| 30 | 2 | 307 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 37 | 14 | 316 | A86 | C7-C6 | 4.28 | 1.59 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 7 | 316 | A86 | C9-C8 | 4.28 | 1.45 | 1.34 |
| 30 | 2 | 311 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 38 | 3 | 308 | KC1 | C1A-NA | -4.28 | 1.29 | 1.38 |
| 37 | 9 | 315 | A86 | C7-C6 | 4.28 | 1.59 | 1.50 |
| 30 | 13 | 302 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 30 | 12 | 303 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 30 | 16 | 303 | CLA | C1D-ND | 4.28 | 1.43 | 1.37 |
| 30 | B | 834 | CLA | O2A-CGA | 4.28 | 1.45 | 1.33 |
| 38 | 3 | 304 | KC1 | CHB-C1B | 4.28 | 1.46 | 1.38 |
| 30 | 15 | 313 | CLA | CHD-C1D | 4.27 | 1.46 | 1.38 |
| 38 | 14 | 308 | KC1 | C1A-CHA | 4.27 | 1.51 | 1.40 |
| 37 | 2 | 318 | A86 | C7-C6 | 4.27 | 1.59 | 1.50 |
| 38 | 3 | 308 | KC1 | CHC-C4B | 4.27 | 1.46 | 1.38 |
| 37 | 13 | 313 | A86 | C21-C20 | 4.27 | 1.58 | 1.51 |
| 37 | 10 | 316 | A86 | O4-C38 | 4.27 | 1.44 | 1.35 |
| 37 | 8 | 315 | A86 | C9-C8 | 4.27 | 1.45 | 1.34 |
| 30 | A | 844 | CLA | CHD-C1D | 4.27 | 1.46 | 1.38 |
| 37 | 11 | 315 | A86 | C21-C20 | 4.27 | 1.58 | 1.51 |
| 30 | B | 832 | CLA | C1D-ND | 4.27 | 1.43 | 1.37 |
| 30 | 11 | 306 | CLA | C1D-ND | 4.27 | 1.43 | 1.37 |
| 30 | 11 | 304 | CLA | O2A-CGA | 4.27 | 1.45 | 1.33 |
| 30 | 3 | 307 | CLA | O2A-CGA | 4.27 | 1.45 | 1.33 |
| 37 | 14 | 315 | A86 | O4-C38 | 4.26 | 1.44 | 1.35 |
| 30 | 14 | 303 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 37 | 14 | 318 | A86 | C7-C6 | 4.26 | 1.59 | 1.50 |
| 30 | 14 | 310 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 37 | 6 | 320 | A86 | C7-C6 | 4.26 | 1.59 | 1.50 |
| 30 | A | 810 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 37 | 14 | 319 | A86 | C17-C18 | -4.26 | 1.46 | 1.52 |
| 30 | A | 815 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 38 | 12 | 309 | KC1 | C1A-NA | -4.26 | 1.29 | 1.38 |
| 30 | 9 | 308 | CLA | C1D-ND | 4.26 | 1.43 | 1.37 |
| 37 | 15 | 316 | A86 | C21-C20 | 4.26 | 1.58 | 1.51 |
| 37 | 15 | 316 | A86 | C19-C18 | 4.26 | 1.58 | 1.52 |
| 30 | 3 | 309 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 30 | 8 | 304 | CLA | O2A-CGA | 4.26 | 1.45 | 1.33 |
| 37 | 15 | 323 | A86 | C10-C11 | 4.26 | 1.46 | 1.34 |
| 30 | A | 837 | CLA | CHD-C1D | 4.26 | 1.46 | 1.38 |
| 38 | 14 | 308 | KC1 | CHB-C1B | 4.26 | 1.46 | 1.38 |
| 37 | 4 | 315 | A86 | C17-C18 | -4.26 | 1.46 | 1.52 |
| 30 | 5 | 304 | CLA | C1D-ND | 4.26 | 1.43 | 1.37 |
| 37 | 13 | 313 | A86 | C7-C6 | 4.25 | 1.59 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | A | 836 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | B | 815 | CLA | C1D-ND | 4.25 | 1.43 | 1.37 |
| 30 | 3 | 303 | CLA | CHD-C1D | 4.25 | 1.46 | 1.38 |
| 30 | 2 | 310 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | 15 | 309 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | B | 821 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | 12 | 302 | CLA | C1D-ND | 4.25 | 1.43 | 1.37 |
| 30 | 1 | 307 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | 14 | 304 | CLA | CHD-C1D | 4.25 | 1.46 | 1.38 |
| 30 | B | 812 | CLA | CHD-C1D | 4.25 | 1.46 | 1.38 |
| 30 | 6 | 304 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 38 | 5 | 312 | KC1 | C1A-CHA | 4.25 | 1.51 | 1.40 |
| 30 | A | 824 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | 7 | 312 | CLA | O2A-CGA | 4.25 | 1.46 | 1.33 |
| 30 | 6 | 305 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 38 | 16 | 304 | KC1 | CHB-C1B | 4.25 | 1.46 | 1.38 |
| 38 | 8 | 310 | KC1 | CHB-C1B | 4.25 | 1.46 | 1.38 |
| 30 | 4 | 309 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 37 | 11 | 315 | A86 | C7-C6 | 4.25 | 1.59 | 1.50 |
| 30 | 3 | 306 | CLA | CHD-C1D | 4.25 | 1.46 | 1.38 |
| 37 | 3 | 315 | A86 | C7-C6 | 4.25 | 1.59 | 1.50 |
| 38 | 13 | 310 | KC1 | CHB-C1B | 4.25 | 1.46 | 1.38 |
| 30 | F | 202 | CLA | O2A-CGA | 4.25 | 1.45 | 1.33 |
| 30 | 9 | 309 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | 2 | 308 | CLA | C1D-ND | 4.24 | 1.43 | 1.37 |
| 38 | 13 | 310 | KC1 | C1A-CHA | 4.24 | 1.51 | 1.40 |
| 30 | 14 | 305 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 38 | 11 | 311 | KC1 | CHB-C1B | 4.24 | 1.46 | 1.38 |
| 30 | 6 | 315 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 30 | B | 834 | CLA | C1D-ND | 4.24 | 1.43 | 1.37 |
| 37 | 15 | 321 | A86 | C21-C20 | 4.24 | 1.58 | 1.51 |
| 30 | 11 | 308 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 30 | 12 | 304 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | A | 835 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 30 | 9 | 308 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 37 | 10 | 316 | A86 | C7-C6 | 4.24 | 1.59 | 1.50 |
| 30 | 10 | 303 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | 10 | 304 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | 7 | 307 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | B | 831 | CLA | C1D-ND | 4.24 | 1.43 | 1.37 |
| 30 | 2 | 311 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 37 | 2 | 319 | A86 | C21-C20 | 4.24 | 1.58 | 1.51 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 14 | 302 | CLA | CHD-C1D | 4.24 | 1.46 | 1.38 |
| 30 | 7 | 311 | CLA | C1D-ND | 4.24 | 1.43 | 1.37 |
| 30 | 10 | 308 | CLA | O2A-CGA | 4.24 | 1.45 | 1.33 |
| 30 | 7 | 311 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 38 | 8 | 311 | KC1 | CHB-C1B | 4.23 | 1.46 | 1.38 |
| 38 | 8 | 311 | KC1 | C1A-CHA | 4.23 | 1.51 | 1.40 |
| 30 | A | 818 | CLA | C1D-ND | 4.23 | 1.43 | 1.37 |
| 30 | 9 | 302 | CLA | C1D-ND | 4.23 | 1.43 | 1.37 |
| 30 | 14 | 313 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 38 | 2 | 306 | KC1 | CHB-C1B | 4.23 | 1.46 | 1.38 |
| 30 | A | 803 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 30 | 15 | 310 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 30 | 15 | 313 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 30 | 5 | 308 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 38 | 6 | 311 | KC1 | OBD-CAD | 4.23 | 1.27 | 1.22 |
| 30 | L | 202 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 30 | 12 | 321 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 37 | 14 | 301 | A86 | C17-C18 | -4.23 | 1.46 | 1.52 |
| 30 | 13 | 307 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 30 | 13 | 309 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 30 | 3 | 302 | CLA | C1D-ND | 4.23 | 1.43 | 1.37 |
| 37 | 2u | 203 | A86 | C21-C20 | 4.23 | 1.58 | 1.51 |
| 37 | 3 | 314 | A86 | C21-C20 | 4.23 | 1.58 | 1.51 |
| 30 | A | 817 | CLA | O2A-CGA | 4.23 | 1.45 | 1.33 |
| 38 | 5 | 305 | KC1 | C1A-CHA | 4.23 | 1.51 | 1.40 |
| 30 | 15 | 304 | CLA | CHD-C1D | 4.23 | 1.46 | 1.38 |
| 38 | 2 | 314 | KC1 | CHB-C1B | 4.23 | 1.46 | 1.38 |
| 38 | 7 | 308 | KC1 | C1A-CHA | 4.23 | 1.51 | 1.40 |
| 30 | A | 823 | CLA | C1D-ND | 4.23 | 1.43 | 1.37 |
| 30 | 2u | 202 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 30 | 3 | 303 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 30 | 11 | 309 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 37 | 2 | 302 | A86 | C10-C11 | 4.22 | 1.46 | 1.34 |
| 37 | 3 | 314 | A86 | C7-C6 | 4.22 | 1.59 | 1.50 |
| 37 | 1 | 309 | A86 | C21-C20 | 4.22 | 1.58 | 1.51 |
| 37 | 3 | 314 | A86 | C10-C11 | 4.22 | 1.46 | 1.34 |
| 37 | 7 | 319 | A86 | C10-C11 | 4.22 | 1.46 | 1.34 |
| 37 | 10 | 317 | A86 | C21-C20 | 4.22 | 1.58 | 1.51 |
| 30 | 2u | 202 | CLA | C1D-ND | 4.22 | 1.43 | 1.37 |
| 30 | 5 | 309 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 38 | 13 | 305 | KC1 | C1A-NA | -4.22 | 1.29 | 1.38 |
| 37 | 12 | 316 | A86 | C10-C11 | 4.22 | 1.46 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 4 | 307 | KC1 | C1A-CHA | 4.22 | 1.51 | 1.40 |
| 38 | 4 | 307 | KC1 | CHB-C1B | 4.22 | 1.46 | 1.38 |
| 38 | 8 | 314 | KC1 | OBD-CAD | 4.22 | 1.27 | 1.22 |
| 30 | 10 | 308 | CLA | CHD-C1D | 4.22 | 1.46 | 1.38 |
| 38 | 3 | 311 | KC1 | CHB-C1B | 4.22 | 1.46 | 1.38 |
| 30 | 4 | 304 | CLA | O2A-CGA | 4.22 | 1.45 | 1.33 |
| 30 | 1 | 304 | CLA | C1D-ND | 4.22 | 1.43 | 1.37 |
| 30 | 15 | 306 | CLA | CHD-C1D | 4.22 | 1.46 | 1.38 |
| 30 | 6 | 314 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 38 | 10 | 306 | KC1 | C1A-CHA | 4.21 | 1.51 | 1.40 |
| 37 | 10 | 301 | A86 | C7-C6 | 4.21 | 1.59 | 1.50 |
| 38 | 4 | 308 | KC1 | C1B-NB | -4.21 | 1.32 | 1.37 |
| 37 | 10 | 315 | A86 | C21-C20 | 4.21 | 1.58 | 1.51 |
| 37 | 7 | 316 | A86 | C7-C6 | 4.21 | 1.59 | 1.50 |
| 30 | 8 | 302 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 37 | 15 | 320 | A86 | C21-C20 | 4.21 | 1.58 | 1.51 |
| 30 | 4 | 302 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 30 | 1 | 307 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 30 | A | 839 | CLA | C1D-ND | 4.21 | 1.43 | 1.37 |
| 30 | 5 | 302 | CLA | C1D-ND | 4.21 | 1.43 | 1.37 |
| 30 | 4 | 305 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 30 | B | 809 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 30 | A | 802 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 30 | 16 | 308 | CLA | CHD-C1D | 4.21 | 1.46 | 1.38 |
| 39 | 6 | 321 | DD6 | C2-C1 | 4.21 | 1.45 | 1.35 |
| 30 | 12 | 308 | CLA | O2A-CGA | 4.21 | 1.45 | 1.33 |
| 30 | 1 | 301 | CLA | C1D-ND | 4.20 | 1.43 | 1.37 |
| 38 | 5 | 312 | KC1 | C1B-NB | -4.20 | 1.32 | 1.37 |
| 38 | 8 | 313 | KC1 | CHB-C1B | 4.20 | 1.46 | 1.38 |
| 30 | A | 844 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 38 | 10 | 306 | KC1 | C1A-NA | -4.20 | 1.29 | 1.38 |
| 38 | 6 | 313 | KC1 | C1A-CHA | 4.20 | 1.51 | 1.40 |
| 30 | 9 | 307 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 30 | 11 | 309 | CLA | C1D-ND | 4.20 | 1.43 | 1.37 |
| 37 | 2 | 302 | A86 | C19-C18 | 4.20 | 1.58 | 1.52 |
| 30 | 4 | 306 | CLA | C1D-ND | 4.20 | 1.43 | 1.37 |
| 30 | 6 | 310 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 38 | 5 | 305 | KC1 | C1A-NA | -4.20 | 1.29 | 1.38 |
| 30 | 11 | 310 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 30 | 14 | 302 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 38 | 8 | 306 | KC1 | CHB-C1B | 4.20 | 1.46 | 1.38 |
| 30 | B | 832 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 5 | 302 | CLA | O2A-CGA | 4.20 | 1.45 | 1.33 |
| 30 | A | 841 | CLA | CHD-C1D | 4.20 | 1.46 | 1.38 |
| 37 | 10 | 315 | A86 | C7-C6 | 4.19 | 1.59 | 1.50 |
| 30 | 6 | 317 | CLA | O2A-CGA | 4.19 | 1.45 | 1.33 |
| 37 | 7 | 316 | A86 | C21-C20 | 4.19 | 1.58 | 1.51 |
| 30 | 4 | 303 | CLA | C1D-ND | 4.19 | 1.43 | 1.37 |
| 38 | 3 | 311 | KC1 | C1A-CHA | 4.19 | 1.51 | 1.40 |
| 38 | 11 | 311 | KC1 | C1A-CHA | 4.19 | 1.51 | 1.40 |
| 30 | 12 | 312 | CLA | O2A-CGA | 4.19 | 1.45 | 1.33 |
| 30 | 15 | 303 | CLA | CHD-C1D | 4.19 | 1.46 | 1.38 |
| 38 | 16 | 311 | KC1 | C1A-NA | -4.19 | 1.29 | 1.38 |
| 38 | 2 | 306 | KC1 | C1A-CHA | 4.19 | 1.51 | 1.40 |
| 30 | 8 | 308 | CLA | O2A-CGA | 4.19 | 1.45 | 1.33 |
| 30 | 14 | 310 | CLA | CHD-C1D | 4.19 | 1.46 | 1.38 |
| 37 | 5 | 315 | A86 | C7-C6 | 4.19 | 1.59 | 1.50 |
| 37 | 11 | 316 | A86 | C21-C20 | 4.19 | 1.58 | 1.51 |
| 30 | 2 | 313 | CLA | CHD-C1D | 4.19 | 1.46 | 1.38 |
| 38 | 12 | 305 | KC1 | C1A-CHA | 4.19 | 1.51 | 1.40 |
| 38 | 14 | 306 | KC1 | CHB-C1B | 4.19 | 1.46 | 1.38 |
| 30 | 13 | 301 | CLA | O2A-CGA | 4.19 | 1.45 | 1.33 |
| 30 | B | 836 | CLA | O2A-CGA | 4.19 | 1.45 | 1.33 |
| 38 | 13 | 312 | KC1 | C1A-NA | -4.18 | 1.29 | 1.38 |
| 37 | 13 | 315 | A86 | C21-C20 | 4.18 | 1.58 | 1.51 |
| 38 | 10 | 312 | KC1 | CHB-C1B | 4.18 | 1.46 | 1.38 |
| 30 | A | 811 | CLA | C1D-ND | 4.18 | 1.43 | 1.37 |
| 30 | 15 | 312 | CLA | CHD-C4C | 4.18 | 1.48 | 1.39 |
| 30 | B | 817 | CLA | C1D-ND | 4.18 | 1.43 | 1.37 |
| 30 | A | 820 | CLA | O2A-CGA | 4.18 | 1.45 | 1.33 |
| 38 | 2 | 312 | KC1 | C1A-CHA | 4.18 | 1.51 | 1.40 |
| 38 | 16 | 304 | KC1 | C1A-CHA | 4.18 | 1.51 | 1.40 |
| 38 | 14 | 308 | KC1 | C1A-NA | -4.18 | 1.29 | 1.38 |
| 30 | 3 | 305 | CLA | O2A-CGA | 4.18 | 1.45 | 1.33 |
| 30 | 12 | 302 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 30 | 16 | 301 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 37 | 11 | 301 | A86 | C10-C11 | 4.17 | 1.45 | 1.34 |
| 30 | 2 | 304 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 37 | 8 | 315 | A86 | C7-C6 | 4.17 | 1.59 | 1.50 |
| 37 | 15 | 317 | A86 | C10-C11 | 4.17 | 1.45 | 1.34 |
| 30 | A | 840 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 30 | B | 831 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 30 | 9 | 302 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 30 | 12 | 304 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 305 | CLA | CHD-C1D | 4.17 | 1.46 | 1.38 |
| 30 | 12 | 310 | CLA | O2A-CGA | 4.17 | 1.45 | 1.33 |
| 30 | A | 820 | CLA | C1D-ND | 4.17 | 1.43 | 1.37 |
| 37 | 14 | 316 | A86 | C21-C20 | 4.17 | 1.58 | 1.51 |
| 37 | 16 | 314 | A86 | C17-C18 | -4.17 | 1.46 | 1.52 |
| 38 | 13 | 311 | KC1 | C1A-NA | -4.17 | 1.29 | 1.38 |
| 30 | 9 | 303 | CLA | C1D-ND | 4.17 | 1.43 | 1.37 |
| 38 | 1 | 308 | KC1 | CHB-C1B | 4.16 | 1.46 | 1.38 |
| 30 | 7 | 311 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 30 | B | 832 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 30 | A | 807 | CLA | C1D-ND | 4.16 | 1.43 | 1.37 |
| 37 | 7 | 315 | A86 | O4-C38 | 4.16 | 1.44 | 1.35 |
| 30 | 6 | 317 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 30 | B | 824 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 37 | 13 | 313 | A86 | C17-C18 | -4.16 | 1.46 | 1.52 |
| 30 | A | 816 | CLA | C1D-ND | 4.16 | 1.43 | 1.37 |
| 30 | 16 | 307 | CLA | O2A-CGA | 4.16 | 1.45 | 1.33 |
| 30 | 8 | 303 | CLA | O2A-CGA | 4.16 | 1.45 | 1.33 |
| 30 | 15 | 302 | CLA | CHD-C1D | 4.16 | 1.46 | 1.38 |
| 37 | 9 | 316 | A86 | C10-C11 | 4.15 | 1.45 | 1.34 |
| 30 | 7 | 310 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 37 | 1 | 309 | A86 | C10-C11 | 4.15 | 1.45 | 1.34 |
| 30 | 10 | 307 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 30 | A | 842 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 30 | A | 805 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 30 | 4 | 305 | CLA | C1D-ND | 4.15 | 1.43 | 1.37 |
| 30 | 10 | 309 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 38 | 5 | 312 | KC1 | CHB-C1B | 4.15 | 1.46 | 1.38 |
| 30 | A | 823 | CLA | O2A-CGA | 4.15 | 1.45 | 1.33 |
| 37 | 9 | 315 | A86 | C10-C11 | 4.15 | 1.45 | 1.34 |
| 38 | 3 | 308 | KC1 | C1A-CHA | 4.15 | 1.51 | 1.40 |
| 30 | 6 | 316 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 38 | 8 | 307 | KC1 | CHB-C1B | 4.15 | 1.46 | 1.38 |
| 37 | 4 | 312 | A86 | C21-C20 | 4.15 | 1.58 | 1.51 |
| 30 | 3 | 310 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 38 | 6 | 311 | KC1 | CHB-C1B | 4.15 | 1.46 | 1.38 |
| 30 | B | 830 | CLA | O2D-CGD | 4.15 | 1.43 | 1.33 |
| 30 | B | 821 | CLA | CHD-C1D | 4.15 | 1.46 | 1.38 |
| 38 | 7 | 313 | KC1 | C1A-CHA | 4.14 | 1.50 | 1.40 |
| 38 | 9 | 312 | KC1 | C1A-CHA | 4.14 | 1.50 | 1.40 |
| 37 | 15 | 316 | A86 | C10-C11 | 4.14 | 1.45 | 1.34 |
| 38 | 3 | 304 | KC1 | C1A-NA | -4.14 | 1.29 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 821 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 30 | 6 | 316 | CLA | C1D-ND | 4.14 | 1.43 | 1.37 |
| 30 | F | 202 | CLA | C1D-ND | 4.14 | 1.43 | 1.37 |
| 37 | 5 | 315 | A86 | C21-C20 | 4.14 | 1.58 | 1.51 |
| 30 | B | 828 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 30 | B | 823 | CLA | C1D-ND | 4.14 | 1.43 | 1.37 |
| 37 | 8 | 318 | A86 | C21-C20 | 4.14 | 1.58 | 1.51 |
| 37 | 2u | 205 | A86 | C9-C10 | 4.14 | 1.56 | 1.43 |
| 30 | 3 | 302 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 38 | 5 | 310 | KC1 | CHB-C1B | 4.14 | 1.46 | 1.38 |
| 30 | A | 811 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 30 | B | 838 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 30 | 10 | 305 | CLA | CHD-C1D | 4.14 | 1.46 | 1.38 |
| 30 | 6 | 307 | CLA | O2A-CGA | 4.14 | 1.45 | 1.33 |
| 37 | 2 | 319 | A86 | C7-C6 | 4.14 | 1.59 | 1.50 |
| 30 | 10 | 303 | CLA | CHD-C1D | 4.14 | 1.46 | 1.38 |
| 37 | 9 | 315 | A86 | C21-C20 | 4.14 | 1.58 | 1.51 |
| 30 | A | 810 | CLA | C1D-ND | 4.14 | 1.43 | 1.37 |
| 37 | 15 | 321 | A86 | C17-C18 | -4.13 | 1.46 | 1.52 |
| 30 | 3 | 306 | CLA | CHD-C4C | 4.13 | 1.48 | 1.39 |
| 30 | 6 | 309 | CLA | CHD-C1D | 4.13 | 1.46 | 1.38 |
| 30 | A | 838 | CLA | C1D-ND | 4.13 | 1.43 | 1.37 |
| 37 | 14 | 314 | A86 | C19-C18 | 4.13 | 1.58 | 1.52 |
| 30 | 5 | 309 | CLA | CHD-C1D | 4.13 | 1.46 | 1.38 |
| 30 | 11 | 309 | CLA | CHD-C1D | 4.13 | 1.46 | 1.38 |
| 30 | 12 | 306 | CLA | C1D-ND | 4.13 | 1.43 | 1.37 |
| 38 | 6 | 311 | KC1 | CHC-C4B | 4.13 | 1.46 | 1.38 |
| 38 | 11 | 312 | KC1 | CHC-C4B | 4.13 | 1.46 | 1.38 |
| 38 | 8 | 306 | KC1 | C1A-CHA | 4.13 | 1.50 | 1.40 |
| 30 | 1 | 303 | CLA | O2A-CGA | 4.13 | 1.45 | 1.33 |
| 38 | 4 | 310 | KC1 | C1A-CHA | 4.13 | 1.50 | 1.40 |
| 30 | 7 | 305 | CLA | CHD-C1D | 4.13 | 1.46 | 1.38 |
| 30 | 4 | 301 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 37 | 9 | 316 | A86 | C9-C10 | 4.12 | 1.56 | 1.43 |
| 30 | A | 818 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | B | 835 | CLA | C1D-ND | 4.12 | 1.43 | 1.37 |
| 30 | 16 | 305 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | J | 101 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 30 | 15 | 307 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 30 | 9 | 301 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | 7 | 309 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | 2 | 307 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 13 | 308 | KC1 | C1A-CHA | 4.12 | 1.50 | 1.40 |
| 30 | 9 | 303 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 37 | 1 | 309 | A86 | C17-C18 | -4.12 | 1.46 | 1.52 |
| 37 | 9 | 313 | A86 | C21-C20 | 4.12 | 1.58 | 1.51 |
| 38 | 1 | 308 | KC1 | C1A-CHA | 4.12 | 1.50 | 1.40 |
| 30 | B | 839 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | A | 839 | CLA | O2A-CGA | 4.12 | 1.45 | 1.33 |
| 30 | 5 | 311 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 30 | 3 | 301 | CLA | C1D-ND | 4.12 | 1.43 | 1.37 |
| 37 | 7 | 319 | A86 | C19-C18 | 4.12 | 1.58 | 1.52 |
| 30 | 10 | 311 | CLA | CHD-C1D | 4.12 | 1.46 | 1.38 |
| 38 | 8 | 312 | KC1 | C1A-NA | -4.12 | 1.29 | 1.38 |
| 37 | 7 | 319 | A86 | C7-C6 | 4.12 | 1.59 | 1.50 |
| 38 | 1 | 306 | KC1 | C1A-CHA | 4.12 | 1.50 | 1.40 |
| 38 | 13 | 306 | KC1 | C1A-CHA | 4.11 | 1.50 | 1.40 |
| 37 | 11 | 314 | A86 | C21-C20 | 4.11 | 1.57 | 1.51 |
| 37 | 11 | 314 | A86 | C17-C18 | -4.11 | 1.46 | 1.52 |
| 30 | 4 | 304 | CLA | CHD-C1D | 4.11 | 1.46 | 1.38 |
| 37 | 5 | 316 | A86 | C10-C11 | 4.11 | 1.45 | 1.34 |
| 30 | B | 818 | CLA | C1D-ND | 4.11 | 1.43 | 1.37 |
| 37 | 14 | 314 | A86 | C9-C10 | 4.11 | 1.55 | 1.43 |
| 30 | A | 814 | CLA | CHD-C1D | 4.11 | 1.46 | 1.38 |
| 30 | A | 832 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 37 | 8 | 318 | A86 | O4-C38 | 4.11 | 1.44 | 1.35 |
| 30 | A | 819 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 30 | B | 817 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 37 | 10 | 317 | A86 | C19-C18 | 4.11 | 1.58 | 1.52 |
| 30 | 10 | 307 | CLA | C1D-ND | 4.11 | 1.43 | 1.37 |
| 30 | 3 | 306 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 30 | 4 | 306 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 30 | 8 | 305 | CLA | O2A-CGA | 4.11 | 1.45 | 1.33 |
| 30 | B | 828 | CLA | CHD-C1D | 4.11 | 1.46 | 1.38 |
| 30 | B | 819 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 30 | A | 836 | CLA | CHD-C1D | 4.10 | 1.46 | 1.38 |
| 30 | B | 829 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 30 | A | 806 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 30 | 12 | 306 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 37 | 4 | 314 | A86 | C9-C10 | 4.10 | 1.55 | 1.43 |
| 30 | A | 833 | CLA | O2A-CGA | 4.10 | 1.45 | 1.33 |
| 30 | A | 817 | CLA | CHD-C1D | 4.10 | 1.46 | 1.38 |
| 37 | 10 | 302 | A86 | C21-C20 | 4.10 | 1.57 | 1.51 |
| 30 | 9 | 301 | CLA | C1D-ND | 4.10 | 1.43 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 813 | CLA | C1D-ND | 4.10 | 1.43 | 1.37 |
| 30 | 14 | 309 | CLA | CHD-C4C | 4.10 | 1.48 | 1.39 |
| 30 | B | 837 | CLA | C1D-ND | 4.09 | 1.43 | 1.37 |
| 37 | 4 | 315 | A86 | C21-C20 | 4.09 | 1.57 | 1.51 |
| 30 | B | 825 | CLA | O2A-CGA | 4.09 | 1.45 | 1.33 |
| 30 | A | 816 | CLA | O2A-CGA | 4.09 | 1.45 | 1.33 |
| 30 | 4 | 305 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 30 | B | 838 | CLA | C1D-ND | 4.09 | 1.43 | 1.37 |
| 30 | 12 | 312 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 38 | 14 | 311 | KC1 | C1A-NA | -4.09 | 1.29 | 1.38 |
| 38 | 6 | 308 | KC1 | CHB-C1B | 4.09 | 1.46 | 1.38 |
| 37 | 14 | 319 | A86 | C9-C10 | 4.09 | 1.55 | 1.43 |
| 30 | 9 | 305 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 38 | 12 | 311 | KC1 | CHB-C1B | 4.09 | 1.46 | 1.38 |
| 30 | B | 806 | CLA | O2A-CGA | 4.09 | 1.45 | 1.33 |
| 38 | 8 | 312 | KC1 | C1A-CHA | 4.09 | 1.50 | 1.40 |
| 30 | 15 | 302 | CLA | CHD-C4C | 4.09 | 1.48 | 1.39 |
| 37 | 12 | 314 | A86 | C10-C11 | 4.09 | 1.45 | 1.34 |
| 37 | 8 | 318 | A86 | C7-C6 | 4.09 | 1.59 | 1.50 |
| 38 | 2 | 314 | KC1 | C1A-CHA | 4.09 | 1.50 | 1.40 |
| 30 | 5 | 308 | CLA | CHD-C1D | 4.09 | 1.46 | 1.38 |
| 30 | 3 | 301 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 30 | B | 851 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 6 | 305 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 14 | 313 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 30 | 6 | 314 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | A | 843 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 38 | 11 | 312 | KC1 | C1A-NA | -4.08 | 1.29 | 1.38 |
| 30 | 6 | 309 | CLA | C1D-ND | 4.08 | 1.43 | 1.37 |
| 30 | B | 804 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 30 | 16 | 310 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 5 | 307 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 37 | 4 | 312 | A86 | C7-C6 | 4.08 | 1.59 | 1.50 |
| 30 | A | 809 | CLA | C1D-ND | 4.08 | 1.43 | 1.37 |
| 30 | B | 823 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 2 | 304 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 5 | 304 | CLA | CHD-C1D | 4.08 | 1.46 | 1.38 |
| 30 | 13 | 304 | CLA | CHD-C4C | 4.08 | 1.48 | 1.39 |
| 30 | 4 | 311 | CLA | O2A-CGA | 4.08 | 1.45 | 1.33 |
| 30 | A | 808 | CLA | C1D-ND | 4.07 | 1.43 | 1.37 |
| 37 | 13 | 315 | A86 | C9-C10 | 4.07 | 1.55 | 1.43 |
| 37 | 14 | 301 | A86 | C10-C11 | 4.07 | 1.45 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 16 | 302 | CLA | O2A-CGA | 4.07 | 1.45 | 1.33 |
| 30 | 7 | 310 | CLA | CHD-C4C | 4.07 | 1.48 | 1.39 |
| 30 | 9 | 309 | CLA | CHD-C1D | 4.07 | 1.46 | 1.38 |
| 30 | 8 | 308 | CLA | CHD-C1D | 4.07 | 1.46 | 1.38 |
| 38 | 10 | 310 | KC1 | CHB-C1B | 4.07 | 1.46 | 1.38 |
| 30 | B | 836 | CLA | C1D-ND | 4.07 | 1.43 | 1.37 |
| 30 | A | 826 | CLA | O2A-CGA | 4.07 | 1.45 | 1.33 |
| 30 | 11 | 310 | CLA | CHD-C4C | 4.07 | 1.48 | 1.39 |
| 30 | 3 | 306 | CLA | C1D-ND | 4.06 | 1.43 | 1.37 |
| 30 | 13 | 302 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 30 | 6 | 304 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 30 | 12 | 308 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 30 | 4 | 309 | CLA | CHD-C4C | 4.06 | 1.48 | 1.39 |
| 30 | 9 | 307 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 38 | 5 | 306 | KC1 | CHB-C1B | 4.06 | 1.46 | 1.38 |
| 30 | 15 | 309 | CLA | CHD-C4C | 4.06 | 1.48 | 1.39 |
| 38 | 9 | 311 | KC1 | C1A-CHA | 4.06 | 1.50 | 1.40 |
| 37 | 11 | 314 | A86 | C10-C11 | 4.06 | 1.45 | 1.34 |
| 38 | 13 | 311 | KC1 | C1A-CHA | 4.06 | 1.50 | 1.40 |
| 30 | 8 | 302 | CLA | C1D-ND | 4.06 | 1.43 | 1.37 |
| 38 | 11 | 305 | KC1 | C1A-CHA | 4.06 | 1.50 | 1.40 |
| 30 | 2 | 310 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 30 | A | 843 | CLA | CHD-C1D | 4.06 | 1.46 | 1.38 |
| 30 | 5 | 308 | CLA | C1D-ND | 4.06 | 1.43 | 1.37 |
| 37 | 10 | 315 | A86 | C10-C11 | 4.06 | 1.45 | 1.34 |
| 30 | 13 | 303 | CLA | CHD-C4C | 4.06 | 1.48 | 1.39 |
| 30 | B | 833 | CLA | O2A-CGA | 4.05 | 1.45 | 1.33 |
| 30 | B | 829 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 30 | B | 811 | CLA | O2A-CGA | 4.05 | 1.45 | 1.33 |
| 30 | A | 822 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 30 | 6 | 307 | CLA | C1D-ND | 4.05 | 1.43 | 1.37 |
| 30 | 16 | 306 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 30 | 9 | 309 | CLA | C1D-ND | 4.05 | 1.43 | 1.37 |
| 30 | 16 | 306 | CLA | C1D-ND | 4.05 | 1.43 | 1.37 |
| 30 | A | 808 | CLA | O2A-CGA | 4.05 | 1.45 | 1.33 |
| 37 | 3 | 315 | A86 | C10-C11 | 4.05 | 1.45 | 1.34 |
| 30 | A | 809 | CLA | O2A-CGA | 4.05 | 1.45 | 1.33 |
| 38 | 14 | 306 | KC1 | C1A-CHA | 4.05 | 1.50 | 1.40 |
| 37 | 9 | 315 | A86 | C9-C10 | 4.05 | 1.55 | 1.43 |
| 30 | 12 | 306 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 30 | 1 | 301 | CLA | CHD-C1D | 4.05 | 1.46 | 1.38 |
| 30 | B | 813 | CLA | O2A-CGA | 4.05 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | B | 804 | CLA | C1D-ND | 4.05 | 1.43 | 1.37 |
| 37 | 15 | 315 | A86 | C9-C10 | 4.05 | 1.55 | 1.43 |
| 30 | 15 | 310 | CLA | CHD-C4C | 4.05 | 1.48 | 1.39 |
| 30 | A | 838 | CLA | CHD-C1D | 4.04 | 1.46 | 1.38 |
| 37 | 7 | 315 | A86 | C7-C6 | 4.04 | 1.59 | 1.50 |
| 30 | 13 | 309 | CLA | CHD-C4C | 4.04 | 1.48 | 1.39 |
| 30 | 2 | 309 | CLA | CHD-C1D | 4.04 | 1.46 | 1.38 |
| 37 | 2u | 203 | A86 | C9-C10 | 4.04 | 1.55 | 1.43 |
| 30 | F | 201 | CLA | O2A-CGA | 4.04 | 1.45 | 1.33 |
| 30 | 2 | 305 | CLA | C1D-ND | 4.04 | 1.43 | 1.37 |
| 30 | 10 | 304 | CLA | CHD-C1D | 4.04 | 1.46 | 1.38 |
| 37 | 16 | 314 | A86 | C21-C20 | 4.04 | 1.57 | 1.51 |
| 30 | A | 814 | CLA | O2A-CGA | 4.04 | 1.45 | 1.33 |
| 37 | 15 | 320 | A86 | C9-C10 | 4.04 | 1.55 | 1.43 |
| 30 | B | 851 | CLA | O2A-CGA | 4.03 | 1.45 | 1.33 |
| 30 | F | 203 | CLA | CHD-C1D | 4.03 | 1.46 | 1.38 |
| 30 | A | 831 | CLA | O2A-CGA | 4.03 | 1.45 | 1.33 |
| 38 | 9 | 310 | KC1 | CHB-C1B | 4.03 | 1.46 | 1.38 |
| 37 | 5 | 315 | A86 | C10-C11 | 4.03 | 1.45 | 1.34 |
| 38 | 6 | 312 | KC1 | C1A-CHA | 4.03 | 1.50 | 1.40 |
| 30 | 14 | 313 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 37 | 14 | 318 | A86 | C10-C11 | 4.03 | 1.45 | 1.34 |
| 30 | 7 | 312 | CLA | CHD-C4C | 4.03 | 1.48 | 1.39 |
| 30 | 12 | 303 | CLA | CHD-C1D | 4.03 | 1.46 | 1.38 |
| 30 | A | 827 | CLA | C1D-ND | 4.03 | 1.43 | 1.37 |
| 30 | B | 813 | CLA | C1D-ND | 4.03 | 1.43 | 1.37 |
| 30 | A | 810 | CLA | CHD-C1D | 4.03 | 1.46 | 1.38 |
| 30 | 3 | 307 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 30 | 14 | 302 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 30 | 4 | 311 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 30 | 16 | 308 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 37 | 11 | 315 | A86 | C10-C11 | 4.02 | 1.45 | 1.34 |
| 30 | 7 | 304 | CLA | C1D-ND | 4.02 | 1.43 | 1.37 |
| 37 | 5 | 301 | A86 | C10-C11 | 4.02 | 1.45 | 1.34 |
| 30 | 8 | 303 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 38 | 4 | 308 | KC1 | CHC-C4B | 4.02 | 1.46 | 1.38 |
| 30 | A | 829 | CLA | O2A-CGA | 4.02 | 1.45 | 1.33 |
| 30 | A | 828 | CLA | C1D-ND | 4.02 | 1.43 | 1.37 |
| 30 | 6 | 306 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 30 | 15 | 308 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 30 | B | 815 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 30 | B | 810 | CLA | O2A-CGA | 4.02 | 1.45 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 7 | 313 | KC1 | CHB-C1B | 4.02 | 1.46 | 1.38 |
| 30 | 11 | 308 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 30 | 15 | 304 | CLA | CHD-C4C | 4.02 | 1.48 | 1.39 |
| 38 | 10 | 310 | KC1 | C1A-CHA | 4.02 | 1.50 | 1.40 |
| 30 | B | 818 | CLA | CHD-C1D | 4.02 | 1.46 | 1.38 |
| 30 | 16 | 305 | CLA | CHD-C1D | 4.01 | 1.46 | 1.38 |
| 30 | 14 | 304 | CLA | CHD-C4C | 4.01 | 1.48 | 1.39 |
| 30 | 12 | 307 | CLA | O2A-CGA | 4.01 | 1.45 | 1.33 |
| 38 | 8 | 313 | KC1 | C1A-CHA | 4.01 | 1.50 | 1.40 |
| 30 | B | 824 | CLA | C1D-ND | 4.01 | 1.43 | 1.37 |
| 37 | 14 | 320 | A86 | C17-C18 | -4.01 | 1.46 | 1.52 |
| 38 | 5 | 310 | KC1 | C1A-CHA | 4.01 | 1.50 | 1.40 |
| 30 | 10 | 308 | CLA | CHD-C4C | 4.01 | 1.48 | 1.39 |
| 30 | 12 | 307 | CLA | C1D-ND | 4.01 | 1.43 | 1.37 |
| 37 | 11 | 301 | A86 | C9-C10 | 4.01 | 1.55 | 1.43 |
| 30 | A | 834 | CLA | O2A-CGA | 4.01 | 1.45 | 1.33 |
| 30 | 3 | 310 | CLA | CHD-C4C | 4.01 | 1.48 | 1.39 |
| 30 | A | 832 | CLA | CHD-C1D | 4.01 | 1.46 | 1.38 |
| 37 | 13 | 313 | A86 | C9-C10 | 4.01 | 1.55 | 1.43 |
| 38 | 9 | 310 | KC1 | C1A-CHA | 4.01 | 1.50 | 1.40 |
| 30 | A | 841 | CLA | C1D-ND | 4.01 | 1.43 | 1.37 |
| 30 | 2 | 303 | CLA | CHD-C4C | 4.01 | 1.48 | 1.39 |
| 37 | 3 | 314 | A86 | C17-C18 | -4.01 | 1.46 | 1.52 |
| 37 | 7 | 315 | A86 | C21-C20 | 4.01 | 1.57 | 1.51 |
| 30 | 9 | 306 | CLA | CHD-C4C | 4.01 | 1.48 | 1.39 |
| 30 | 1 | 302 | CLA | CHD-C1D | 4.00 | 1.46 | 1.38 |
| 30 | 3 | 303 | CLA | CHD-C4C | 4.00 | 1.48 | 1.39 |
| 38 | 1 | 308 | KC1 | C1B-NB | -4.00 | 1.32 | 1.37 |
| 38 | 9 | 304 | KC1 | C1A-CHA | 4.00 | 1.50 | 1.40 |
| 30 | A | 844 | CLA | CHD-C4C | 4.00 | 1.48 | 1.39 |
| 30 | 7 | 306 | CLA | CHD-C1D | 4.00 | 1.46 | 1.38 |
| 37 | 7 | 319 | A86 | C9-C10 | 4.00 | 1.55 | 1.43 |
| 30 | 14 | 312 | CLA | CHD-C4C | 4.00 | 1.48 | 1.39 |
| 30 | 14 | 303 | CLA | CHD-C4C | 4.00 | 1.48 | 1.39 |
| 37 | 4 | 314 | A86 | C10-C11 | 4.00 | 1.45 | 1.34 |
| 30 | 8 | 301 | CLA | O2A-CGA | 4.00 | 1.45 | 1.33 |
| 37 | 15 | 321 | A86 | C10-C11 | 4.00 | 1.45 | 1.34 |
| 37 | 5 | 316 | A86 | C9-C10 | 4.00 | 1.55 | 1.43 |
| 37 | 10 | 317 | A86 | C9-C10 | 4.00 | 1.55 | 1.43 |
| 30 | A | 832 | CLA | C1D-ND | 4.00 | 1.43 | 1.37 |
| 38 | 8 | 307 | KC1 | C1A-CHA | 4.00 | 1.50 | 1.40 |
| 30 | 4 | 303 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 1 | 305 | CLA | CHD-C4C | 3.99 | 1.48 | 1.39 |
| 30 | 14 | 307 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 30 | B | 838 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 37 | 2u | 205 | A86 | C21-C20 | 3.99 | 1.57 | 1.51 |
| 30 | B | 822 | CLA | O2A-CGA | 3.99 | 1.45 | 1.33 |
| 30 | B | 813 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 38 | 12 | 309 | KC1 | CHB-C1B | 3.99 | 1.46 | 1.38 |
| 37 | 9 | 316 | A86 | C19-C18 | 3.99 | 1.58 | 1.52 |
| 30 | 14 | 310 | CLA | CHD-C4C | 3.99 | 1.48 | 1.39 |
| 30 | 16 | 302 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 30 | B | 805 | CLA | C1D-ND | 3.99 | 1.43 | 1.37 |
| 30 | 11 | 309 | CLA | CHD-C4C | 3.99 | 1.48 | 1.39 |
| 30 | 8 | 305 | CLA | C1D-ND | 3.99 | 1.43 | 1.37 |
| 30 | A | 812 | CLA | O2A-CGA | 3.99 | 1.45 | 1.33 |
| 30 | B | 821 | CLA | C1D-ND | 3.99 | 1.43 | 1.37 |
| 30 | B | 807 | CLA | O2A-CGA | 3.99 | 1.45 | 1.33 |
| 30 | A | 840 | CLA | CHD-C1D | 3.99 | 1.46 | 1.38 |
| 30 | A | 807 | CLA | O2A-CGA | 3.98 | 1.45 | 1.33 |
| 30 | B | 802 | CLA | O2A-CGA | 3.98 | 1.45 | 1.33 |
| 30 | 15 | 308 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 30 | B | 826 | CLA | O2A-CGA | 3.98 | 1.45 | 1.33 |
| 37 | 5 | 316 | A86 | C7-C6 | 3.98 | 1.58 | 1.50 |
| 30 | 7 | 309 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 30 | B | 805 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 30 | 9 | 308 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 30 | 2 | 313 | CLA | CHD-C4C | 3.98 | 1.48 | 1.39 |
| 37 | 5 | 315 | A86 | C17-C18 | -3.98 | 1.46 | 1.52 |
| 37 | 7 | 316 | A86 | O4-C38 | 3.98 | 1.44 | 1.35 |
| 30 | 12 | 310 | CLA | CHD-C1D | 3.98 | 1.46 | 1.38 |
| 37 | 10 | 301 | A86 | C21-C20 | 3.98 | 1.57 | 1.51 |
| 37 | 2 | 319 | A86 | C10-C11 | 3.98 | 1.45 | 1.34 |
| 37 | 14 | 317 | A86 | C21-C20 | 3.98 | 1.57 | 1.51 |
| 30 | 7 | 306 | CLA | C1D-ND | 3.98 | 1.43 | 1.37 |
| 37 | 12 | 316 | A86 | C9-C10 | 3.97 | 1.55 | 1.43 |
| 30 | A | 828 | CLA | O2A-CGA | 3.97 | 1.44 | 1.33 |
| 30 | 15 | 305 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 37 | 10 | 302 | A86 | C10-C11 | 3.97 | 1.45 | 1.34 |
| 30 | A | 839 | CLA | CHD-C1D | 3.97 | 1.46 | 1.38 |
| 30 | B | 837 | CLA | O2A-CGA | 3.97 | 1.44 | 1.33 |
| 38 | 14 | 306 | KC1 | CHC-C1C | 3.97 | 1.48 | 1.39 |
| 30 | 7 | 306 | CLA | O2A-CGA | 3.97 | 1.44 | 1.33 |
| 37 | 10 | 315 | A86 | C19-C18 | 3.97 | 1.57 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 15 | 320 | A86 | C19-C18 | 3.97 | 1.57 | 1.52 |
| 30 | A | 819 | CLA | C1D-ND | 3.97 | 1.43 | 1.37 |
| 38 | 10 | 312 | KC1 | C1A-CHA | 3.97 | 1.50 | 1.40 |
| 30 | 15 | 311 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 37 | 15 | 322 | A86 | C9-C10 | 3.97 | 1.55 | 1.43 |
| 30 | A | 834 | CLA | CHD-C1D | 3.97 | 1.46 | 1.38 |
| 30 | B | 811 | CLA | CHD-C1D | 3.97 | 1.46 | 1.38 |
| 37 | 15 | 323 | A86 | C9-C10 | 3.97 | 1.55 | 1.43 |
| 30 | 16 | 309 | CLA | CHD-C4C | 3.97 | 1.48 | 1.39 |
| 37 | 15 | 315 | A86 | C21-C20 | 3.97 | 1.57 | 1.51 |
| 30 | 11 | 306 | CLA | CHD-C1D | 3.97 | 1.46 | 1.38 |
| 30 | 2 | 309 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 30 | 11 | 304 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 30 | 12 | 321 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 30 | 4 | 306 | CLA | CHD-C1D | 3.96 | 1.46 | 1.38 |
| 30 | B | 820 | CLA | C1D-ND | 3.96 | 1.43 | 1.37 |
| 37 | 8 | 315 | A86 | C21-C20 | 3.96 | 1.57 | 1.51 |
| 30 | 12 | 302 | CLA | CHD-C1D | 3.96 | 1.46 | 1.38 |
| 38 | 4 | 308 | KC1 | CHB-C1B | 3.96 | 1.46 | 1.38 |
| 30 | 8 | 301 | CLA | C1D-ND | 3.96 | 1.43 | 1.37 |
| 30 | B | 807 | CLA | C1D-ND | 3.96 | 1.43 | 1.37 |
| 30 | A | 805 | CLA | C1D-ND | 3.96 | 1.43 | 1.37 |
| 30 | 6 | 307 | CLA | CHD-C4C | 3.96 | 1.48 | 1.39 |
| 30 | A | 842 | CLA | C1D-ND | 3.95 | 1.43 | 1.37 |
| 30 | 15 | 303 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 38 | 5 | 306 | KC1 | C1A-CHA | 3.95 | 1.50 | 1.40 |
| 38 | 8 | 314 | KC1 | C1A-NA | -3.95 | 1.29 | 1.38 |
| 30 | A | 816 | CLA | CHD-C1D | 3.95 | 1.46 | 1.38 |
| 38 | 4 | 310 | KC1 | CHB-C1B | 3.95 | 1.46 | 1.38 |
| 30 | 14 | 307 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 37 | 11 | 314 | A86 | C9-C10 | 3.95 | 1.55 | 1.43 |
| 30 | A | 843 | CLA | C1D-ND | 3.95 | 1.43 | 1.37 |
| 37 | 11 | 315 | A86 | C17-C18 | -3.95 | 1.46 | 1.52 |
| 30 | B | 805 | CLA | O2A-CGA | 3.95 | 1.44 | 1.33 |
| 30 | 13 | 307 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 30 | A | 833 | CLA | CHD-C1D | 3.95 | 1.46 | 1.38 |
| 30 | B | 810 | CLA | C1D-ND | 3.95 | 1.43 | 1.37 |
| 30 | 15 | 313 | CLA | CHD-C4C | 3.95 | 1.48 | 1.39 |
| 37 | 14 | 316 | A86 | C10-C11 | 3.95 | 1.45 | 1.34 |
| 30 | B | 802 | CLA | C3D-C2D | 3.94 | 1.49 | 1.39 |
| 30 | 11 | 304 | CLA | CHD-C1D | 3.94 | 1.46 | 1.38 |
| 30 | 2 | 305 | CLA | CHD-C1D | 3.94 | 1.46 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 3 | 305 | CLA | CHD-C1D | 3.94 | 1.46 | 1.38 |
| 30 | 14 | 305 | CLA | CHD-C4C | 3.94 | 1.48 | 1.39 |
| 37 | 5 | 301 | A86 | C21-C20 | 3.94 | 1.57 | 1.51 |
| 30 | B | 824 | CLA | CHD-C4C | 3.94 | 1.48 | 1.39 |
| 37 | 14 | 320 | A86 | C9-C10 | 3.94 | 1.55 | 1.43 |
| 30 | 6 | 310 | CLA | CHD-C4C | 3.94 | 1.48 | 1.39 |
| 30 | A | 826 | CLA | C1D-ND | 3.94 | 1.43 | 1.37 |
| 30 | 11 | 306 | CLA | CHD-C4C | 3.94 | 1.48 | 1.39 |
| 37 | 11 | 316 | A86 | C10-C11 | 3.93 | 1.45 | 1.34 |
| 37 | 10 | 302 | A86 | C9-C10 | 3.93 | 1.55 | 1.43 |
| 30 | 7 | 304 | CLA | CHD-C1D | 3.93 | 1.46 | 1.38 |
| 37 | 10 | 316 | A86 | C21-C20 | 3.93 | 1.57 | 1.51 |
| 37 | 14 | 315 | A86 | C10-C11 | 3.93 | 1.45 | 1.34 |
| 30 | 1 | 302 | CLA | O2A-CGA | 3.93 | 1.44 | 1.33 |
| 30 | 7 | 304 | CLA | O2A-CGA | 3.93 | 1.44 | 1.33 |
| 37 | 10 | 315 | A86 | C9-C10 | 3.93 | 1.55 | 1.43 |
| 29 | A | 801 | CL0 | O2A-CGA | 3.93 | 1.44 | 1.33 |
| 30 | 16 | 307 | CLA | CHD-C4C | 3.93 | 1.48 | 1.39 |
| 38 | 4 | 308 | KC1 | C1A-NA | -3.93 | 1.29 | 1.38 |
| 30 | 2 | 308 | CLA | CHD-C1D | 3.93 | 1.46 | 1.38 |
| 37 | 12 | 316 | A86 | C21-C20 | 3.93 | 1.57 | 1.51 |
| 30 | B | 835 | CLA | CHD-C4C | 3.93 | 1.48 | 1.39 |
| 38 | 8 | 314 | KC1 | CHB-C1B | 3.93 | 1.46 | 1.38 |
| 37 | 12 | 314 | A86 | C7-C6 | 3.93 | 1.58 | 1.50 |
| 30 | B | 839 | CLA | C1D-ND | 3.93 | 1.43 | 1.37 |
| 30 | 8 | 309 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 30 | B | 808 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 30 | 2u | 202 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 37 | 3 | 315 | A86 | C21-C20 | 3.92 | 1.57 | 1.51 |
| 30 | 5 | 303 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 30 | 6 | 316 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 30 | 4 | 301 | CLA | C1D-ND | 3.92 | 1.43 | 1.37 |
| 37 | 9 | 316 | A86 | C21-C20 | 3.92 | 1.57 | 1.51 |
| 30 | 3 | 302 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 30 | A | 806 | CLA | C1D-ND | 3.92 | 1.43 | 1.37 |
| 30 | A | 837 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 30 | 15 | 314 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 30 | B | 818 | CLA | O2A-CGA | 3.92 | 1.44 | 1.33 |
| 30 | A | 811 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 30 | 10 | 309 | CLA | CHD-C4C | 3.92 | 1.48 | 1.39 |
| 30 | 1 | 303 | CLA | CHD-C1D | 3.92 | 1.46 | 1.38 |
| 38 | 6 | 311 | KC1 | C1A-CHA | 3.91 | 1.50 | 1.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 15 | 314 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 37 | 15 | 317 | A86 | C9-C10 | 3.91 | 1.55 | 1.43 |
| 37 | 15 | 322 | A86 | C21-C20 | 3.91 | 1.57 | 1.51 |
| 30 | 10 | 303 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 37 | 2 | 318 | A86 | C10-C11 | 3.91 | 1.45 | 1.34 |
| 30 | A | 815 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 30 | 3 | 306 | CLA | C3D-C2D | 3.91 | 1.49 | 1.39 |
| 37 | 12 | 314 | A86 | C9-C10 | 3.91 | 1.55 | 1.43 |
| 30 | 12 | 312 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 37 | 2 | 302 | A86 | C9-C10 | 3.91 | 1.55 | 1.43 |
| 30 | 3 | 309 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 30 | 15 | 306 | CLA | CHD-C4C | 3.91 | 1.48 | 1.39 |
| 37 | 16 | 314 | A86 | C10-C11 | 3.91 | 1.45 | 1.34 |
| 30 | A | 804 | CLA | C1D-ND | 3.91 | 1.43 | 1.37 |
| 30 | 6 | 309 | CLA | O2A-CGA | 3.91 | 1.44 | 1.33 |
| 30 | A | 831 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 30 | 5 | 302 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 30 | 1 | 302 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |
| 30 | 6 | 315 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |
| 30 | A | 807 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 30 | A | 824 | CLA | C1D-ND | 3.90 | 1.43 | 1.37 |
| 30 | 1 | 304 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 37 | 16 | 314 | A86 | C9-C10 | 3.90 | 1.55 | 1.43 |
| 30 | 9 | 303 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 30 | 4 | 306 | CLA | CHD-C4C | 3.90 | 1.48 | 1.39 |
| 30 | B | 819 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 37 | 2 | 302 | A86 | C21-C20 | 3.90 | 1.57 | 1.51 |
| 30 | B | 816 | CLA | CHD-C1D | 3.90 | 1.46 | 1.38 |
| 30 | 5 | 308 | CLA | C3D-C2D | 3.90 | 1.49 | 1.39 |
| 30 | B | 808 | CLA | C1D-ND | 3.89 | 1.43 | 1.37 |
| 30 | B | 808 | CLA | O2A-CGA | 3.89 | 1.44 | 1.33 |
| 30 | 2 | 311 | CLA | CHD-C4C | 3.89 | 1.48 | 1.39 |
| 37 | 1 | 309 | A86 | C9-C10 | 3.89 | 1.55 | 1.43 |
| 37 | 16 | 312 | A86 | C9-C10 | 3.89 | 1.55 | 1.43 |
| 30 | B | 835 | CLA | O2A-CGA | 3.89 | 1.44 | 1.33 |
| 30 | A | 835 | CLA | CHD-C4C | 3.89 | 1.48 | 1.39 |
| 30 | A | 820 | CLA | CHD-C4C | 3.89 | 1.48 | 1.39 |
| 30 | B | 804 | CLA | CHD-C1D | 3.89 | 1.46 | 1.38 |
| 37 | 10 | 302 | A86 | C19-C18 | 3.89 | 1.57 | 1.52 |
| 30 | 4 | 311 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 30 | B | 801 | CLA | O2A-CGA | 3.88 | 1.44 | 1.33 |
| 37 | 3 | 314 | A86 | C9-C10 | 3.88 | 1.55 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 9 | 313 | A86 | C10-C11 | 3.88 | 1.45 | 1.34 |
| 38 | 7 | 308 | KC1 | C1B-NB | -3.88 | 1.32 | 1.37 |
| 30 | 4 | 302 | CLA | CHD-C1D | 3.88 | 1.46 | 1.38 |
| 30 | B | 822 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 30 | 2 | 301 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 38 | 8 | 311 | KC1 | C1B-NB | -3.88 | 1.32 | 1.37 |
| 30 | 8 | 304 | CLA | CHD-C1D | 3.88 | 1.46 | 1.38 |
| 38 | 12 | 313 | KC1 | C1B-NB | -3.88 | 1.32 | 1.37 |
| 30 | B | 835 | CLA | CHD-C1D | 3.88 | 1.46 | 1.38 |
| 30 | B | 824 | CLA | O2A-CGA | 3.88 | 1.44 | 1.33 |
| 30 | 5 | 311 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 30 | 7 | 304 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 30 | A | 824 | CLA | CHD-C1D | 3.88 | 1.46 | 1.38 |
| 30 | A | 830 | CLA | O2A-CGA | 3.88 | 1.44 | 1.33 |
| 37 | 3 | 315 | A86 | C9-C10 | 3.88 | 1.55 | 1.43 |
| 30 | 6 | 317 | CLA | CHD-C4C | 3.88 | 1.48 | 1.39 |
| 37 | 15 | 316 | A86 | C9-C10 | 3.88 | 1.55 | 1.43 |
| 30 | B | 833 | CLA | CHD-C1D | 3.87 | 1.46 | 1.38 |
| 30 | A | 802 | CLA | O2A-CGA | 3.87 | 1.44 | 1.33 |
| 30 | B | 805 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 30 | 12 | 304 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 30 | 4 | 303 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 30 | A | 825 | CLA | CHD-C4C | 3.87 | 1.48 | 1.39 |
| 30 | B | 806 | CLA | CHD-C1D | 3.87 | 1.46 | 1.38 |
| 30 | L | 203 | CLA | CHD-C1D | 3.87 | 1.46 | 1.38 |
| 30 | B | 831 | CLA | CHD-C1D | 3.86 | 1.46 | 1.38 |
| 38 | 8 | 313 | KC1 | CHC-C1C | 3.86 | 1.48 | 1.39 |
| 30 | 15 | 310 | CLA | C3D-C2D | 3.86 | 1.49 | 1.39 |
| 38 | 13 | 310 | KC1 | CHC-C1C | 3.86 | 1.48 | 1.39 |
| 30 | A | 833 | CLA | CHD-C4C | 3.86 | 1.48 | 1.39 |
| 30 | 6 | 309 | CLA | C3D-C2D | 3.86 | 1.49 | 1.39 |
| 30 | 16 | 301 | CLA | CHD-C1D | 3.86 | 1.45 | 1.38 |
| 30 | 6 | 305 | CLA | CHD-C4C | 3.86 | 1.48 | 1.39 |
| 38 | 11 | 312 | KC1 | C1B-NB | -3.86 | 1.32 | 1.37 |
| 30 | 14 | 309 | CLA | C3D-C2D | 3.86 | 1.49 | 1.39 |
| 30 | 2 | 304 | CLA | CHD-C4C | 3.86 | 1.48 | 1.39 |
| 30 | A | 809 | CLA | CHD-C1D | 3.86 | 1.45 | 1.38 |
| 30 | B | 851 | CLA | CHD-C4C | 3.86 | 1.48 | 1.39 |
| 30 | 1 | 307 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 30 | 7 | 305 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 30 | A | 812 | CLA | C1D-ND | 3.85 | 1.42 | 1.37 |
| 30 | 3 | 301 | CLA | CHD-C1D | 3.85 | 1.45 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 12 | 307 | CLA | CHD-C1D | 3.85 | 1.45 | 1.38 |
| 30 | 13 | 301 | CLA | CHD-C1D | 3.85 | 1.45 | 1.38 |
| 30 | 10 | 311 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 30 | J | 101 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 38 | 5 | 310 | KC1 | C1B-NB | -3.85 | 1.32 | 1.37 |
| 30 | A | 813 | CLA | CHD-C1D | 3.85 | 1.45 | 1.38 |
| 30 | A | 817 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 30 | 1 | 301 | CLA | CHD-C4C | 3.85 | 1.48 | 1.39 |
| 30 | A | 802 | CLA | C3D-C2D | 3.85 | 1.49 | 1.39 |
| 37 | 6 | 320 | A86 | C10-C11 | 3.85 | 1.45 | 1.34 |
| 30 | A | 827 | CLA | O2A-CGA | 3.85 | 1.44 | 1.33 |
| 30 | 2 | 307 | CLA | C3D-C2D | 3.84 | 1.49 | 1.39 |
| 37 | 7 | 319 | A86 | C21-C20 | 3.84 | 1.57 | 1.51 |
| 30 | 4 | 309 | CLA | C3D-C2D | 3.84 | 1.49 | 1.39 |
| 30 | A | 842 | CLA | CHD-C1D | 3.84 | 1.45 | 1.38 |
| 30 | A | 834 | CLA | CHD-C4C | 3.84 | 1.47 | 1.39 |
| 30 | 6 | 314 | CLA | CHD-C4C | 3.84 | 1.47 | 1.39 |
| 37 | 14 | 318 | A86 | C9-C10 | 3.84 | 1.55 | 1.43 |
| 37 | 5 | 315 | A86 | C9-C10 | 3.84 | 1.55 | 1.43 |
| 30 | B | 812 | CLA | CHD-C4C | 3.84 | 1.47 | 1.39 |
| 30 | 8 | 304 | CLA | C1D-ND | 3.84 | 1.42 | 1.37 |
| 30 | B | 821 | CLA | CHD-C4C | 3.84 | 1.47 | 1.39 |
| 30 | 6 | 304 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 30 | 2 | 307 | CLA | C1D-ND | 3.83 | 1.42 | 1.37 |
| 30 | 5 | 309 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 30 | 6 | 309 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 37 | 4 | 314 | A86 | C19-C18 | 3.83 | 1.57 | 1.52 |
| 30 | 3 | 301 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 30 | 13 | 302 | CLA | C3D-C2D | 3.83 | 1.49 | 1.39 |
| 38 | 6 | 311 | KC1 | C1B-NB | -3.83 | 1.32 | 1.37 |
| 37 | 7 | 315 | A86 | C10-C11 | 3.83 | 1.45 | 1.34 |
| 37 | 10 | 316 | A86 | C10-C11 | 3.83 | 1.45 | 1.34 |
| 30 | 9 | 305 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 38 | 10 | 312 | KC1 | CHC-C1C | 3.83 | 1.47 | 1.39 |
| 30 | 10 | 305 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 30 | 4 | 304 | CLA | CHD-C4C | 3.83 | 1.47 | 1.39 |
| 37 | 15 | 322 | A86 | C19-C18 | 3.83 | 1.57 | 1.52 |
| 30 | A | 836 | CLA | C1D-ND | 3.83 | 1.42 | 1.37 |
| 30 | L | 202 | CLA | C1D-ND | 3.83 | 1.42 | 1.37 |
| 30 | 15 | 307 | CLA | C3D-C2D | 3.82 | 1.49 | 1.39 |
| 30 | 3 | 302 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | A | 808 | CLA | CHD-C1D | 3.82 | 1.45 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 4 | 312 | A86 | C10-C11 | 3.82 | 1.45 | 1.34 |
| 30 | B | 801 | CLA | C1D-ND | 3.82 | 1.42 | 1.37 |
| 30 | 13 | 302 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | 8 | 301 | CLA | CHD-C1D | 3.82 | 1.45 | 1.38 |
| 30 | 5 | 307 | CLA | CHD-C1D | 3.82 | 1.45 | 1.38 |
| 30 | 8 | 308 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | 4 | 305 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | 15 | 308 | CLA | C3D-C2D | 3.82 | 1.49 | 1.39 |
| 30 | B | 837 | CLA | CHD-C1D | 3.82 | 1.45 | 1.38 |
| 30 | 16 | 302 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | A | 802 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | A | 843 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | 16 | 303 | CLA | CHD-C4C | 3.82 | 1.47 | 1.39 |
| 30 | 13 | 303 | CLA | C3D-C2D | 3.81 | 1.49 | 1.39 |
| 30 | A | 805 | CLA | CHD-C1D | 3.81 | 1.45 | 1.38 |
| 30 | B | 832 | CLA | CHD-C4C | 3.81 | 1.47 | 1.39 |
| 30 | B | 812 | CLA | C3D-C2D | 3.81 | 1.49 | 1.39 |
| 38 | 13 | 312 | KC1 | CHC-C1C | 3.81 | 1.47 | 1.39 |
| 30 | A | 823 | CLA | CHD-C4C | 3.81 | 1.47 | 1.39 |
| 37 | 15 | 321 | A86 | C9-C10 | 3.81 | 1.55 | 1.43 |
| 37 | 10 | 302 | A86 | C17-C18 | -3.81 | 1.46 | 1.52 |
| 30 | L | 203 | CLA | CHD-C4C | 3.81 | 1.47 | 1.39 |
| 30 | 14 | 305 | CLA | C3D-C2D | 3.81 | 1.49 | 1.39 |
| 30 | 2 | 305 | CLA | CHD-C4C | 3.81 | 1.47 | 1.39 |
| 37 | 8 | 318 | A86 | C9-C10 | 3.81 | 1.55 | 1.43 |
| 30 | 6 | 315 | CLA | C3D-C2D | 3.81 | 1.49 | 1.39 |
| 30 | 2 | 305 | CLA | C3D-C2D | 3.80 | 1.49 | 1.39 |
| 30 | 2 | 310 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 30 | B | 814 | CLA | CHD-C1D | 3.80 | 1.45 | 1.38 |
| 30 | 5 | 302 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 30 | A | 818 | CLA | CHD-C1D | 3.80 | 1.45 | 1.38 |
| 30 | B | 818 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 30 | A | 829 | CLA | CHD-C1D | 3.80 | 1.45 | 1.38 |
| 30 | 9 | 306 | CLA | C3D-C2D | 3.80 | 1.49 | 1.39 |
| 38 | 12 | 313 | KC1 | CHB-C1B | 3.80 | 1.45 | 1.38 |
| 30 | 14 | 312 | CLA | C3D-C2D | 3.80 | 1.49 | 1.39 |
| 30 | A | 831 | CLA | C3D-C2D | 3.80 | 1.49 | 1.39 |
| 37 | 4 | 317 | A86 | C10-C11 | 3.80 | 1.44 | 1.34 |
| 30 | A | 804 | CLA | CHD-C1D | 3.80 | 1.45 | 1.38 |
| 30 | 15 | 304 | CLA | C3D-C2D | 3.80 | 1.49 | 1.39 |
| 30 | 16 | 306 | CLA | CHD-C4C | 3.80 | 1.47 | 1.39 |
| 38 | 4 | 310 | KC1 | CHC-C1C | 3.79 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 8 | 304 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 30 | 12 | 308 | CLA | CHD-C4C | 3.79 | 1.47 | 1.39 |
| 30 | A | 803 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 30 | 5 | 308 | CLA | CHD-C4C | 3.79 | 1.47 | 1.39 |
| 37 | 14 | 315 | A86 | C9-C10 | 3.79 | 1.54 | 1.43 |
| 37 | 2 | 319 | A86 | C9-C10 | 3.79 | 1.54 | 1.43 |
| 37 | 11 | 316 | A86 | C9-C10 | 3.79 | 1.54 | 1.43 |
| 30 | 10 | 311 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 30 | 7 | 306 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 37 | 5 | 301 | A86 | C9-C10 | 3.79 | 1.54 | 1.43 |
| 30 | B | 834 | CLA | CHD-C1D | 3.79 | 1.45 | 1.38 |
| 30 | B | 828 | CLA | CHD-C4C | 3.79 | 1.47 | 1.39 |
| 30 | 16 | 305 | CLA | C3D-C2D | 3.79 | 1.49 | 1.39 |
| 30 | 15 | 309 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 30 | 15 | 306 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 37 | 14 | 301 | A86 | C9-C10 | 3.78 | 1.54 | 1.43 |
| 30 | 6 | 310 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 30 | 10 | 304 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 30 | B | 830 | CLA | C1D-ND | 3.78 | 1.42 | 1.37 |
| 30 | 5 | 304 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 37 | 11 | 315 | A86 | C9-C10 | 3.78 | 1.54 | 1.43 |
| 37 | 4 | 315 | A86 | C10-C11 | 3.78 | 1.44 | 1.34 |
| 30 | 4 | 302 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 30 | 2 | 308 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 30 | 9 | 303 | CLA | CHD-C4C | 3.78 | 1.47 | 1.39 |
| 30 | 13 | 304 | CLA | OBD-CAD | 3.78 | 1.29 | 1.22 |
| 30 | 14 | 303 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 30 | 15 | 313 | CLA | C3D-C2D | 3.78 | 1.49 | 1.39 |
| 37 | 14 | 317 | A86 | C10-C11 | 3.77 | 1.44 | 1.34 |
| 30 | A | 841 | CLA | C3D-C2D | 3.77 | 1.49 | 1.39 |
| 38 | 4 | 310 | KC1 | C1B-NB | -3.77 | 1.32 | 1.37 |
| 30 | B | 816 | CLA | CHD-C4C | 3.77 | 1.47 | 1.39 |
| 30 | 13 | 307 | CLA | C3D-C2D | 3.77 | 1.49 | 1.39 |
| 30 | 8 | 301 | CLA | C3D-C2D | 3.77 | 1.49 | 1.39 |
| 30 | 9 | 302 | CLA | CHD-C4C | 3.77 | 1.47 | 1.39 |
| 38 | 13 | 306 | KC1 | CHC-C1C | 3.77 | 1.47 | 1.39 |
| 38 | 16 | 311 | KC1 | C1B-NB | -3.77 | 1.32 | 1.37 |
| 38 | 8 | 313 | KC1 | C1B-NB | -3.77 | 1.32 | 1.37 |
| 37 | 1 | 309 | A86 | C19-C18 | 3.77 | 1.57 | 1.52 |
| 30 | 2 | 311 | CLA | C3D-C2D | 3.77 | 1.49 | 1.39 |
| 38 | 8 | 314 | KC1 | C1B-NB | -3.77 | 1.32 | 1.37 |
| 30 | 1 | 303 | CLA | CHD-C4C | 3.77 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 16 | 310 | CLA | CHD-C4C | 3.77 | 1.47 | 1.39 |
| 30 | 13 | 303 | CLA | OBD-CAD | 3.77 | 1.29 | 1.22 |
| 30 | 16 | 309 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | 3 | 301 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | B | 826 | CLA | C1D-ND | 3.76 | 1.42 | 1.37 |
| 30 | 6 | 306 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |
| 37 | 6 | 320 | A86 | C17-C18 | -3.76 | 1.47 | 1.52 |
| 30 | B | 822 | CLA | CHD-C1D | 3.76 | 1.45 | 1.38 |
| 30 | 10 | 307 | CLA | CHD-C1D | 3.76 | 1.45 | 1.38 |
| 30 | 9 | 309 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |
| 30 | 3 | 309 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | 15 | 311 | CLA | OBD-CAD | 3.76 | 1.29 | 1.22 |
| 38 | 9 | 311 | KC1 | CHC-C1C | 3.76 | 1.47 | 1.39 |
| 30 | 14 | 309 | CLA | OBD-CAD | 3.76 | 1.29 | 1.22 |
| 37 | 14 | 317 | A86 | C9-C10 | 3.76 | 1.54 | 1.43 |
| 30 | A | 841 | CLA | O2A-CGA | 3.76 | 1.44 | 1.33 |
| 30 | 3 | 305 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |
| 30 | 5 | 311 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | 15 | 303 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 38 | 14 | 311 | KC1 | CHC-C1C | 3.76 | 1.47 | 1.39 |
| 38 | 8 | 310 | KC1 | C1B-NB | -3.76 | 1.32 | 1.37 |
| 30 | 2 | 308 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | 12 | 312 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | 12 | 303 | CLA | C3D-C2D | 3.76 | 1.49 | 1.39 |
| 30 | L | 202 | CLA | CHD-C4C | 3.76 | 1.47 | 1.39 |
| 30 | A | 839 | CLA | CHD-C4C | 3.75 | 1.47 | 1.39 |
| 30 | 15 | 302 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 15 | 311 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 3 | 310 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 13 | 304 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | B | 829 | CLA | C1D-ND | 3.75 | 1.42 | 1.37 |
| 30 | 13 | 309 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 14 | 307 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 2 | 310 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 14 | 304 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 3 | 302 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 15 | 305 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 6 | 317 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | B | 828 | CLA | C1D-ND | 3.75 | 1.42 | 1.37 |
| 30 | 12 | 321 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 38 | 8 | 312 | KC1 | CHC-C1C | 3.75 | 1.47 | 1.39 |
| 30 | B | 817 | CLA | CHD-C1D | 3.75 | 1.45 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 10 | 308 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 30 | 15 | 310 | CLA | OBD-CAD | 3.75 | 1.28 | 1.22 |
| 38 | 8 | 311 | KC1 | CHC-C1C | 3.75 | 1.47 | 1.39 |
| 30 | 1 | 305 | CLA | C3D-C2D | 3.75 | 1.49 | 1.39 |
| 37 | 2 | 318 | A86 | C9-C10 | 3.75 | 1.54 | 1.43 |
| 30 | A | 819 | CLA | CHD-C1D | 3.75 | 1.45 | 1.38 |
| 30 | 3 | 305 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 30 | 9 | 308 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 12 | 310 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | B | 803 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 30 | A | 838 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 8 | 303 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | A | 809 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 15 | 314 | CLA | OBD-CAD | 3.74 | 1.28 | 1.22 |
| 30 | A | 840 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | B | 833 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 8 | 302 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 7 | 311 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 15 | 307 | CLA | OBD-CAD | 3.74 | 1.28 | 1.22 |
| 30 | B | 813 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 30 | 10 | 307 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 30 | 14 | 304 | CLA | OBD-CAD | 3.74 | 1.28 | 1.22 |
| 30 | A | 813 | CLA | CHD-C4C | 3.74 | 1.47 | 1.39 |
| 30 | 15 | 308 | CLA | OBD-CAD | 3.74 | 1.28 | 1.22 |
| 37 | 4 | 314 | A86 | C17-C18 | -3.74 | 1.47 | 1.52 |
| 30 | 15 | 302 | CLA | OBD-CAD | 3.74 | 1.28 | 1.22 |
| 38 | 16 | 311 | KC1 | CHB-C1B | 3.74 | 1.45 | 1.38 |
| 30 | 16 | 307 | CLA | C3D-C2D | 3.74 | 1.49 | 1.39 |
| 30 | 2 | 304 | CLA | C3D-C2D | 3.73 | 1.49 | 1.39 |
| 38 | 5 | 306 | KC1 | CHC-C1C | 3.73 | 1.47 | 1.39 |
| 30 | A | 836 | CLA | C3D-C2D | 3.73 | 1.49 | 1.39 |
| 30 | 9 | 307 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 38 | 3 | 304 | KC1 | C1B-NB | -3.73 | 1.33 | 1.37 |
| 30 | 13 | 309 | CLA | OBD-CAD | 3.73 | 1.28 | 1.22 |
| 30 | 13 | 307 | CLA | OBD-CAD | 3.73 | 1.28 | 1.22 |
| 30 | B | 829 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 30 | 9 | 303 | CLA | C3D-C2D | 3.73 | 1.49 | 1.39 |
| 37 | 2 | 302 | A86 | C17-C18 | -3.73 | 1.47 | 1.52 |
| 30 | A | 826 | CLA | CHD-C1D | 3.73 | 1.45 | 1.38 |
| 30 | 5 | 303 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 30 | 15 | 307 | CLA | CHD-C4C | 3.73 | 1.47 | 1.39 |
| 38 | 16 | 311 | KC1 | CHC-C1C | 3.73 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 5 | 309 | CLA | C3D-C2D | 3.73 | 1.49 | 1.39 |
| 37 | 14 | 319 | A86 | C19-C18 | 3.73 | 1.57 | 1.52 |
| 30 | B | 810 | CLA | CHD-C1D | 3.73 | 1.45 | 1.38 |
| 38 | 6 | 308 | KC1 | C1B-NB | -3.73 | 1.33 | 1.37 |
| 38 | 2 | 306 | KC1 | CHC-C1C | 3.72 | 1.47 | 1.39 |
| 30 | 12 | 304 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 30 | 14 | 313 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 30 | B | 830 | CLA | CHD-C4C | 3.72 | 1.47 | 1.39 |
| 37 | 9 | 316 | A86 | C17-C18 | -3.72 | 1.47 | 1.52 |
| 30 | 7 | 307 | CLA | CHD-C4C | 3.72 | 1.47 | 1.39 |
| 30 | 9 | 308 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 37 | 7 | 315 | A86 | C17-C18 | -3.72 | 1.47 | 1.52 |
| 30 | B | 831 | CLA | CHD-C4C | 3.72 | 1.47 | 1.39 |
| 38 | 16 | 304 | KC1 | CHC-C1C | 3.72 | 1.47 | 1.39 |
| 30 | B | 823 | CLA | CHD-C4C | 3.72 | 1.47 | 1.39 |
| 30 | 10 | 304 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 38 | 8 | 306 | KC1 | C1B-NB | -3.72 | 1.33 | 1.37 |
| 30 | 16 | 308 | CLA | OBD-CAD | 3.72 | 1.28 | 1.22 |
| 38 | 8 | 307 | KC1 | CHC-C1C | 3.72 | 1.47 | 1.39 |
| 30 | 7 | 311 | CLA | C3D-C2D | 3.72 | 1.49 | 1.39 |
| 30 | A | 821 | CLA | CHD-C1D | 3.72 | 1.45 | 1.38 |
| 37 | 14 | 316 | A86 | C9-C10 | 3.72 | 1.54 | 1.43 |
| 38 | 6 | 312 | KC1 | C1B-NB | -3.72 | 1.33 | 1.37 |
| 38 | 4 | 307 | KC1 | C1B-NB | -3.71 | 1.33 | 1.37 |
| 38 | 2 | 314 | KC1 | CHC-C1C | 3.71 | 1.47 | 1.39 |
| 30 | 7 | 312 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 38 | 12 | 313 | KC1 | C1A-NA | -3.71 | 1.30 | 1.38 |
| 30 | 11 | 304 | CLA | OBD-CAD | 3.71 | 1.28 | 1.22 |
| 30 | 10 | 307 | CLA | CHD-C4C | 3.71 | 1.47 | 1.39 |
| 30 | 2 | 313 | CLA | OBD-CAD | 3.71 | 1.28 | 1.22 |
| 30 | 16 | 301 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 30 | 10 | 303 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 30 | 16 | 301 | CLA | CHD-C4C | 3.71 | 1.47 | 1.39 |
| 30 | B | 829 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 30 | B | 804 | CLA | CHD-C4C | 3.71 | 1.47 | 1.39 |
| 30 | 12 | 303 | CLA | CHD-C4C | 3.71 | 1.47 | 1.39 |
| 30 | 11 | 308 | CLA | C3D-C2D | 3.71 | 1.49 | 1.39 |
| 30 | A | 811 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | F | 203 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 30 | B | 818 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 30 | 7 | 304 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 30 | 12 | 302 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | F | 203 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | A | 830 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 30 | 16 | 308 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 38 | 10 | 312 | KC1 | C1B-NB | -3.70 | 1.33 | 1.37 |
| 30 | A | 823 | CLA | CHD-C1D | 3.70 | 1.45 | 1.38 |
| 30 | 7 | 307 | CLA | CHD-C1D | 3.70 | 1.45 | 1.38 |
| 30 | 12 | 306 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | A | 833 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 30 | A | 814 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | B | 809 | CLA | CHD-C1D | 3.70 | 1.45 | 1.38 |
| 38 | 9 | 310 | KC1 | CHC-C1C | 3.70 | 1.47 | 1.39 |
| 30 | B | 806 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 38 | 6 | 308 | KC1 | CHC-C1C | 3.70 | 1.47 | 1.39 |
| 38 | 10 | 306 | KC1 | C1B-NB | -3.70 | 1.33 | 1.37 |
| 30 | 9 | 301 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 37 | 4 | 312 | A86 | C9-C10 | 3.70 | 1.54 | 1.43 |
| 30 | 14 | 302 | CLA | OBD-CAD | 3.70 | 1.28 | 1.22 |
| 37 | 7 | 315 | A86 | C9-C10 | 3.70 | 1.54 | 1.43 |
| 30 | A | 805 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | A | 841 | CLA | CHD-C4C | 3.70 | 1.47 | 1.39 |
| 30 | 3 | 309 | CLA | OBD-CAD | 3.70 | 1.28 | 1.22 |
| 30 | 1 | 302 | CLA | C3D-C2D | 3.70 | 1.49 | 1.39 |
| 38 | 11 | 311 | KC1 | CHC-C1C | 3.69 | 1.47 | 1.39 |
| 30 | A | 843 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | A | 821 | CLA | C1D-ND | 3.69 | 1.42 | 1.37 |
| 30 | F | 201 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | 4 | 305 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | 16 | 305 | CLA | CHD-C4C | 3.69 | 1.47 | 1.39 |
| 39 | 15 | 319 | DD6 | C35-C34 | 3.69 | 1.58 | 1.52 |
| 30 | A | 814 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | 1 | 304 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | B | 803 | CLA | CHD-C1D | 3.69 | 1.45 | 1.38 |
| 30 | B | 814 | CLA | C1D-ND | 3.69 | 1.42 | 1.37 |
| 30 | 3 | 303 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | B | 805 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 37 | 10 | 316 | A86 | C9-C10 | 3.69 | 1.54 | 1.43 |
| 30 | B | 804 | CLA | C3D-C2D | 3.69 | 1.49 | 1.39 |
| 30 | B | 810 | CLA | CHD-C4C | 3.69 | 1.47 | 1.39 |
| 38 | 10 | 310 | KC1 | C1B-NB | -3.68 | 1.33 | 1.37 |
| 38 | 14 | 306 | KC1 | C1B-NB | -3.68 | 1.33 | 1.37 |
| 30 | A | 822 | CLA | CHD-C4C | 3.68 | 1.47 | 1.39 |
| 30 | 16 | 307 | CLA | OBD-CAD | 3.68 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 1 | 301 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 37 | 15 | 323 | A86 | C19-C18 | 3.68 | 1.57 | 1.52 |
| 30 | B | 838 | CLA | CHD-C4C | 3.68 | 1.47 | 1.39 |
| 30 | B | 833 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 30 | 3 | 307 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 30 | 2 | 313 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 38 | 7 | 313 | KC1 | CHC-C1C | 3.68 | 1.47 | 1.39 |
| 38 | 3 | 311 | KC1 | C1B-NB | -3.68 | 1.33 | 1.37 |
| 30 | 4 | 309 | CLA | OBD-CAD | 3.68 | 1.28 | 1.22 |
| 30 | 6 | 305 | CLA | C3D-C2D | 3.68 | 1.49 | 1.39 |
| 38 | 13 | 305 | KC1 | CHC-C1C | 3.68 | 1.47 | 1.39 |
| 30 | 3 | 310 | CLA | OBD-CAD | 3.68 | 1.28 | 1.22 |
| 30 | 2 | 307 | CLA | CHD-C4C | 3.68 | 1.47 | 1.39 |
| 30 | B | 815 | CLA | CHD-C4C | 3.67 | 1.47 | 1.39 |
| 30 | B | 807 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | 10 | 311 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 37 | 14 | 314 | A86 | C7-C6 | 3.67 | 1.58 | 1.50 |
| 37 | 5 | 315 | A86 | C19-C18 | 3.67 | 1.57 | 1.52 |
| 30 | A | 824 | CLA | CHD-C4C | 3.67 | 1.47 | 1.39 |
| 30 | 13 | 301 | CLA | CHD-C4C | 3.67 | 1.47 | 1.39 |
| 38 | 8 | 314 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 30 | A | 807 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 37 | 10 | 315 | A86 | C17-C18 | -3.67 | 1.47 | 1.52 |
| 30 | 11 | 309 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 30 | B | 815 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 38 | 13 | 308 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 30 | 8 | 303 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | 16 | 303 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | A | 820 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | 8 | 302 | CLA | CHD-C1D | 3.67 | 1.45 | 1.38 |
| 30 | 11 | 306 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | A | 844 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | B | 807 | CLA | CHD-C4C | 3.67 | 1.47 | 1.39 |
| 30 | B | 838 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 30 | 14 | 313 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 30 | 15 | 305 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 38 | 2 | 312 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 30 | 11 | 310 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 30 | 8 | 303 | CLA | C1D-ND | 3.67 | 1.42 | 1.37 |
| 38 | 3 | 311 | KC1 | CHC-C1C | 3.67 | 1.47 | 1.39 |
| 30 | 14 | 303 | CLA | OBD-CAD | 3.67 | 1.28 | 1.22 |
| 30 | 6 | 306 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 9 | 305 | CLA | C3D-C2D | 3.67 | 1.49 | 1.39 |
| 38 | 8 | 307 | KC1 | C1B-NB | -3.66 | 1.33 | 1.37 |
| 30 | 10 | 309 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 30 | 4 | 311 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 30 | B | 817 | CLA | CHD-C4C | 3.66 | 1.47 | 1.39 |
| 38 | 12 | 309 | KC1 | CHC-C1C | 3.66 | 1.47 | 1.39 |
| 30 | A | 837 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 38 | 2 | 312 | KC1 | C1B-NB | -3.66 | 1.33 | 1.37 |
| 30 | 15 | 314 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 30 | 1 | 303 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 37 | 10 | 301 | A86 | C10-C11 | 3.66 | 1.44 | 1.34 |
| 30 | 15 | 313 | CLA | OBD-CAD | 3.66 | 1.28 | 1.22 |
| 30 | A | 816 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 30 | 6 | 316 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 38 | 1 | 308 | KC1 | CHC-C1C | 3.66 | 1.47 | 1.39 |
| 30 | 9 | 306 | CLA | OBD-CAD | 3.66 | 1.28 | 1.22 |
| 38 | 9 | 310 | KC1 | C1B-NB | -3.66 | 1.33 | 1.37 |
| 38 | 6 | 312 | KC1 | CHC-C1C | 3.66 | 1.47 | 1.39 |
| 38 | 13 | 311 | KC1 | CHC-C1C | 3.66 | 1.47 | 1.39 |
| 30 | A | 832 | CLA | CHD-C4C | 3.66 | 1.47 | 1.39 |
| 30 | 2u | 202 | CLA | C3D-C2D | 3.66 | 1.49 | 1.39 |
| 37 | 13 | 313 | A86 | C19-C18 | 3.66 | 1.57 | 1.52 |
| 37 | 4 | 315 | A86 | C9-C10 | 3.65 | 1.54 | 1.43 |
| 30 | A | 823 | CLA | C3D-C2D | 3.65 | 1.49 | 1.39 |
| 30 | 12 | 307 | CLA | C3D-C2D | 3.65 | 1.49 | 1.39 |
| 37 | 7 | 316 | A86 | C10-C11 | 3.65 | 1.44 | 1.34 |
| 30 | 14 | 312 | CLA | OBD-CAD | 3.65 | 1.28 | 1.22 |
| 30 | 7 | 303 | CLA | C3D-C2D | 3.65 | 1.48 | 1.39 |
| 30 | A | 802 | CLA | C1D-ND | 3.65 | 1.42 | 1.37 |
| 30 | 2 | 309 | CLA | C3D-C2D | 3.65 | 1.48 | 1.39 |
| 37 | 4 | 317 | A86 | C21-C20 | 3.65 | 1.57 | 1.51 |
| 30 | 3 | 307 | CLA | OBD-CAD | 3.65 | 1.28 | 1.22 |
| 30 | B | 825 | CLA | CHD-C1D | 3.65 | 1.45 | 1.38 |
| 30 | 8 | 308 | CLA | C3D-C2D | 3.65 | 1.48 | 1.39 |
| 30 | 8 | 309 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 38 | 2 | 314 | KC1 | C1B-NB | -3.64 | 1.33 | 1.37 |
| 30 | 12 | 306 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 30 | 16 | 302 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 38 | 1 | 306 | KC1 | C1B-NB | -3.64 | 1.33 | 1.37 |
| 30 | B | 807 | CLA | CHD-C1D | 3.64 | 1.45 | 1.38 |
| 30 | 16 | 309 | CLA | OBD-CAD | 3.64 | 1.28 | 1.22 |
| 37 | 6 | 320 | A86 | C9-C10 | 3.64 | 1.54 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 834 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 30 | B | 836 | CLA | CHD-C4C | 3.64 | 1.47 | 1.39 |
| 30 | 9 | 309 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 30 | 4 | 301 | CLA | CHD-C4C | 3.64 | 1.47 | 1.39 |
| 37 | 8 | 318 | A86 | C10-C11 | 3.64 | 1.44 | 1.34 |
| 30 | 4 | 306 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 30 | A | 813 | CLA | C3D-C2D | 3.64 | 1.48 | 1.39 |
| 38 | 8 | 310 | KC1 | CHC-C1C | 3.64 | 1.47 | 1.39 |
| 39 | 6 | 303 | DD6 | C35-C34 | 3.64 | 1.58 | 1.52 |
| 30 | F | 202 | CLA | CHD-C1D | 3.64 | 1.45 | 1.38 |
| 30 | 2 | 301 | CLA | C1D-ND | 3.64 | 1.42 | 1.37 |
| 30 | 6 | 314 | CLA | OBD-CAD | 3.63 | 1.28 | 1.22 |
| 30 | 16 | 303 | CLA | CHD-C1D | 3.63 | 1.45 | 1.38 |
| 30 | A | 812 | CLA | CHD-C1D | 3.63 | 1.45 | 1.38 |
| 30 | F | 202 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 38 | 6 | 313 | KC1 | CHC-C1C | 3.63 | 1.47 | 1.39 |
| 30 | 5 | 307 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 30 | 4 | 303 | CLA | C3D-C2D | 3.63 | 1.48 | 1.39 |
| 30 | 9 | 305 | CLA | OBD-CAD | 3.63 | 1.28 | 1.22 |
| 30 | 7 | 306 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 30 | B | 808 | CLA | CHD-C4C | 3.63 | 1.47 | 1.39 |
| 30 | 11 | 310 | CLA | C3D-C2D | 3.63 | 1.48 | 1.39 |
| 30 | 10 | 309 | CLA | OBD-CAD | 3.63 | 1.28 | 1.22 |
| 37 | 7 | 319 | A86 | C17-C18 | -3.63 | 1.47 | 1.52 |
| 37 | 5 | 316 | A86 | C21-C20 | 3.63 | 1.57 | 1.51 |
| 37 | 6 | 320 | A86 | C21-C20 | 3.63 | 1.57 | 1.51 |
| 30 | 15 | 306 | CLA | OBD-CAD | 3.62 | 1.28 | 1.22 |
| 30 | 15 | 312 | CLA | OBD-CAD | 3.62 | 1.28 | 1.22 |
| 30 | 7 | 310 | CLA | C3D-C2D | 3.62 | 1.48 | 1.39 |
| 30 | 2u | 202 | CLA | CHD-C4C | 3.62 | 1.47 | 1.39 |
| 30 | 11 | 304 | CLA | C3D-C2D | 3.62 | 1.48 | 1.39 |
| 38 | 12 | 309 | KC1 | C1B-NB | -3.62 | 1.33 | 1.37 |
| 30 | A | 808 | CLA | CHD-C4C | 3.62 | 1.47 | 1.39 |
| 30 | 1 | 307 | CLA | C3D-C2D | 3.62 | 1.48 | 1.39 |
| 30 | A | 842 | CLA | C3D-C2D | 3.62 | 1.48 | 1.39 |
| 30 | B | 839 | CLA | C3D-C2D | 3.62 | 1.48 | 1.39 |
| 30 | A | 844 | CLA | OBD-CAD | 3.62 | 1.28 | 1.22 |
| 37 | 13 | 315 | A86 | C19-C18 | 3.62 | 1.57 | 1.52 |
| 30 | 6 | 315 | CLA | OBD-CAD | 3.62 | 1.28 | 1.22 |
| 37 | 4 | 317 | A86 | C9-C10 | 3.62 | 1.54 | 1.43 |
| 38 | 13 | 306 | KC1 | C1B-NB | -3.62 | 1.33 | 1.37 |
| 30 | B | 803 | CLA | O2A-CGA | 3.61 | 1.43 | 1.33 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 14 | 307 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | 16 | 306 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 8 | 301 | CLA | CHD-C4C | 3.61 | 1.47 | 1.39 |
| 30 | 6 | 317 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | 14 | 305 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | A | 816 | CLA | CHD-C4C | 3.61 | 1.47 | 1.39 |
| 38 | 12 | 305 | KC1 | CHC-C1C | 3.61 | 1.47 | 1.39 |
| 30 | 5 | 304 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 5 | 307 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | A | 836 | CLA | CHD-C4C | 3.61 | 1.47 | 1.39 |
| 30 | B | 816 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 12 | 308 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | 6 | 307 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 14 | 310 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | 13 | 301 | CLA | OBD-CAD | 3.61 | 1.28 | 1.22 |
| 30 | A | 803 | CLA | CHD-C4C | 3.61 | 1.47 | 1.39 |
| 30 | A | 809 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | B | 827 | CLA | CHD-C1D | 3.61 | 1.45 | 1.38 |
| 38 | 6 | 313 | KC1 | C1B-NB | -3.61 | 1.33 | 1.37 |
| 30 | A | 835 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 9 | 307 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | 14 | 310 | CLA | C3D-C2D | 3.61 | 1.48 | 1.39 |
| 30 | A | 825 | CLA | C3D-C2D | 3.60 | 1.48 | 1.39 |
| 30 | 11 | 309 | CLA | C3D-C2D | 3.60 | 1.48 | 1.39 |
| 30 | A | 819 | CLA | CHD-C4C | 3.60 | 1.47 | 1.39 |
| 30 | 16 | 301 | CLA | OBD-CAD | 3.60 | 1.28 | 1.22 |
| 30 | A | 810 | CLA | CHD-C4C | 3.60 | 1.47 | 1.39 |
| 30 | B | 837 | CLA | CHD-C4C | 3.60 | 1.47 | 1.39 |
| 30 | 15 | 304 | CLA | OBD-CAD | 3.60 | 1.28 | 1.22 |
| 30 | 9 | 302 | CLA | C3D-C2D | 3.60 | 1.48 | 1.39 |
| 30 | B | 831 | CLA | C3D-C2D | 3.60 | 1.48 | 1.39 |
| 37 | 14 | 314 | A86 | C17-C18 | -3.60 | 1.47 | 1.52 |
| 30 | B | 803 | CLA | C1D-ND | 3.59 | 1.42 | 1.37 |
| 30 | A | 804 | CLA | CHD-C4C | 3.59 | 1.47 | 1.39 |
| 30 | A | 805 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | A | 811 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | B | 809 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | 12 | 302 | CLA | OBD-CAD | 3.59 | 1.28 | 1.22 |
| 30 | 6 | 304 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | A | 815 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | B | 819 | CLA | CHD-C4C | 3.59 | 1.47 | 1.39 |
| 30 | A | 830 | CLA | CHD-C1D | 3.59 | 1.45 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 807 | CLA | CHD-C4C | 3.59 | 1.47 | 1.39 |
| 38 | 5 | 305 | KC1 | CHC-C1C | 3.59 | 1.47 | 1.39 |
| 30 | A | 838 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | B | 839 | CLA | CHD-C1D | 3.59 | 1.45 | 1.38 |
| 30 | A | 822 | CLA | C1D-ND | 3.59 | 1.42 | 1.37 |
| 30 | 10 | 305 | CLA | C3D-C2D | 3.59 | 1.48 | 1.39 |
| 30 | A | 812 | CLA | CHD-C4C | 3.58 | 1.47 | 1.39 |
| 30 | 5 | 308 | CLA | OBD-CAD | 3.58 | 1.28 | 1.22 |
| 30 | L | 202 | CLA | C3D-C2D | 3.58 | 1.48 | 1.39 |
| 30 | A | 826 | CLA | CHD-C4C | 3.58 | 1.47 | 1.39 |
| 39 | 11 | 313 | DD6 | O2-C18 | 3.58 | 1.53 | 1.43 |
| 38 | 1 | 306 | KC1 | CHC-C1C | 3.58 | 1.47 | 1.39 |
| 38 | 12 | 311 | KC1 | C1B-NB | -3.58 | 1.33 | 1.37 |
| 30 | A | 806 | CLA | CHD-C4C | 3.58 | 1.47 | 1.39 |
| 30 | 7 | 309 | CLA | C3D-C2D | 3.58 | 1.48 | 1.39 |
| 38 | 5 | 305 | KC1 | C1B-NB | -3.58 | 1.33 | 1.37 |
| 37 | 15 | 322 | A86 | C17-C18 | -3.58 | 1.47 | 1.52 |
| 30 | B | 834 | CLA | CHD-C4C | 3.58 | 1.47 | 1.39 |
| 38 | 12 | 305 | KC1 | C1B-NB | -3.58 | 1.33 | 1.37 |
| 30 | A | 842 | CLA | CHD-C4C | 3.57 | 1.47 | 1.39 |
| 30 | 7 | 312 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 38 | 11 | 305 | KC1 | C1B-NB | -3.57 | 1.33 | 1.37 |
| 30 | 5 | 303 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 30 | A | 831 | CLA | CHD-C4C | 3.57 | 1.47 | 1.39 |
| 38 | 9 | 304 | KC1 | CHC-C1C | 3.57 | 1.47 | 1.39 |
| 30 | 10 | 308 | CLA | OBD-CAD | 3.57 | 1.28 | 1.22 |
| 30 | L | 203 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 30 | A | 832 | CLA | C3D-C2D | 3.57 | 1.48 | 1.39 |
| 30 | B | 809 | CLA | CHD-C4C | 3.57 | 1.47 | 1.39 |
| 30 | A | 839 | CLA | C3D-C2D | 3.56 | 1.48 | 1.39 |
| 30 | A | 834 | CLA | C3D-C2D | 3.56 | 1.48 | 1.39 |
| 37 | 14 | 318 | A86 | C19-C18 | 3.56 | 1.57 | 1.52 |
| 38 | 11 | 307 | KC1 | CHC-C1C | 3.56 | 1.47 | 1.39 |
| 30 | A | 831 | CLA | C1D-ND | 3.56 | 1.42 | 1.37 |
| 39 | 2 | 315 | DD6 | C35-C34 | 3.56 | 1.58 | 1.52 |
| 37 | 8 | 315 | A86 | C10-C11 | 3.56 | 1.44 | 1.34 |
| 30 | 1 | 304 | CLA | OBD-CAD | 3.56 | 1.28 | 1.22 |
| 30 | 16 | 310 | CLA | C3D-C2D | 3.56 | 1.48 | 1.39 |
| 30 | 1 | 304 | CLA | CHD-C4C | 3.56 | 1.47 | 1.39 |
| 30 | 7 | 303 | CLA | CHD-C4C | 3.56 | 1.47 | 1.39 |
| 30 | 15 | 309 | CLA | OBD-CAD | 3.56 | 1.28 | 1.22 |
| 30 | B | 839 | CLA | CHD-C4C | 3.56 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 8 | 306 | KC1 | CHC-C1C | 3.56 | 1.47 | 1.39 |
| 38 | 10 | 310 | KC1 | CHC-C1C | 3.55 | 1.47 | 1.39 |
| 30 | B | 826 | CLA | CHD-C1D | 3.55 | 1.45 | 1.38 |
| 30 | B | 835 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | 12 | 308 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 38 | 10 | 306 | KC1 | CHC-C1C | 3.55 | 1.47 | 1.39 |
| 30 | 12 | 310 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | 14 | 302 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | 7 | 309 | CLA | CHD-C4C | 3.55 | 1.47 | 1.39 |
| 30 | B | 851 | CLA | OBD-CAD | 3.55 | 1.28 | 1.22 |
| 30 | 12 | 312 | CLA | OBD-CAD | 3.55 | 1.28 | 1.22 |
| 37 | 9 | 315 | A86 | C17-C18 | -3.55 | 1.47 | 1.52 |
| 37 | 14 | 301 | A86 | C19-C18 | 3.55 | 1.57 | 1.52 |
| 30 | 8 | 309 | CLA | OBD-CAD | 3.55 | 1.28 | 1.22 |
| 30 | F | 202 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | A | 817 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | 4 | 302 | CLA | C3D-C2D | 3.55 | 1.48 | 1.39 |
| 30 | 8 | 304 | CLA | CHD-C4C | 3.55 | 1.47 | 1.39 |
| 30 | B | 825 | CLA | CHD-C4C | 3.55 | 1.47 | 1.39 |
| 38 | 9 | 304 | KC1 | C1B-NB | -3.55 | 1.33 | 1.37 |
| 38 | 13 | 305 | KC1 | C1B-NB | -3.55 | 1.33 | 1.37 |
| 39 | 2 | 317 | DD6 | O2-C18 | 3.55 | 1.53 | 1.43 |
| 38 | 9 | 312 | KC1 | CHC-C1C | 3.54 | 1.47 | 1.39 |
| 30 | B | 832 | CLA | C3D-C2D | 3.54 | 1.48 | 1.39 |
| 39 | 15 | 318 | DD6 | C-C1 | 3.54 | 1.58 | 1.50 |
| 30 | B | 811 | CLA | C1D-ND | 3.54 | 1.42 | 1.37 |
| 29 | A | 801 | CL0 | CHD-C1D | 3.54 | 1.45 | 1.38 |
| 30 | 7 | 307 | CLA | C3D-C2D | 3.54 | 1.48 | 1.39 |
| 30 | L | 203 | CLA | OBD-CAD | 3.54 | 1.28 | 1.22 |
| 38 | 16 | 304 | KC1 | C1B-NB | -3.54 | 1.33 | 1.37 |
| 30 | A | 818 | CLA | CHD-C4C | 3.54 | 1.47 | 1.39 |
| 30 | B | 811 | CLA | CHD-C4C | 3.54 | 1.47 | 1.39 |
| 30 | A | 837 | CLA | OBD-CAD | 3.54 | 1.28 | 1.22 |
| 30 | 6 | 316 | CLA | OBD-CAD | 3.54 | 1.28 | 1.22 |
| 38 | 11 | 305 | KC1 | CHC-C1C | 3.53 | 1.47 | 1.39 |
| 30 | B | 806 | CLA | C3D-C2D | 3.53 | 1.48 | 1.39 |
| 30 | A | 829 | CLA | CHD-C4C | 3.53 | 1.47 | 1.39 |
| 30 | 12 | 307 | CLA | CHD-C4C | 3.53 | 1.47 | 1.39 |
| 30 | A | 808 | CLA | C3D-C2D | 3.53 | 1.48 | 1.39 |
| 38 | 6 | 311 | KC1 | C4B-NB | -3.53 | 1.33 | 1.37 |
| 30 | A | 806 | CLA | CHD-C1D | 3.53 | 1.45 | 1.38 |
| 38 | 5 | 312 | KC1 | CHC-C1C | 3.53 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 804 | CLA | C3D-C2D | 3.53 | 1.48 | 1.39 |
| 38 | 7 | 313 | KC1 | C1B-NB | -3.53 | 1.33 | 1.37 |
| 33 | A | 847 | BCR | C1-C6 | -3.53 | 1.49 | 1.53 |
| 30 | A | 812 | CLA | C3D-C2D | 3.53 | 1.48 | 1.39 |
| 38 | 14 | 308 | KC1 | CHC-C1C | 3.53 | 1.47 | 1.39 |
| 30 | 9 | 307 | CLA | OBD-CAD | 3.53 | 1.28 | 1.22 |
| 30 | 7 | 303 | CLA | CHD-C1D | 3.53 | 1.45 | 1.38 |
| 30 | 11 | 308 | CLA | OBD-CAD | 3.53 | 1.28 | 1.22 |
| 37 | 11 | 314 | A86 | C19-C18 | 3.52 | 1.57 | 1.52 |
| 30 | 12 | 302 | CLA | CHD-C4C | 3.52 | 1.47 | 1.39 |
| 30 | 2 | 309 | CLA | OBD-CAD | 3.52 | 1.28 | 1.22 |
| 30 | B | 820 | CLA | C3D-C2D | 3.52 | 1.48 | 1.39 |
| 37 | 15 | 321 | A86 | C19-C18 | 3.52 | 1.57 | 1.52 |
| 30 | 16 | 305 | CLA | OBD-CAD | 3.52 | 1.28 | 1.22 |
| 30 | A | 826 | CLA | C3D-C2D | 3.52 | 1.48 | 1.39 |
| 37 | 6 | 320 | A86 | C19-C18 | 3.52 | 1.57 | 1.52 |
| 30 | 15 | 312 | CLA | C3D-C2D | 3.52 | 1.48 | 1.39 |
| 38 | 11 | 311 | KC1 | C1B-NB | -3.51 | 1.33 | 1.37 |
| 29 | A | 801 | CL0 | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 38 | 13 | 308 | KC1 | C1B-NB | -3.51 | 1.33 | 1.37 |
| 39 | 7 | 318 | DD6 | O2-C18 | 3.51 | 1.53 | 1.43 |
| 30 | A | 810 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 39 | 12 | 317 | DD6 | O2-C18 | 3.51 | 1.53 | 1.43 |
| 30 | 4 | 301 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 30 | B | 824 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 30 | 4 | 301 | CLA | CHD-C1D | 3.51 | 1.45 | 1.38 |
| 30 | 9 | 302 | CLA | OBD-CAD | 3.51 | 1.28 | 1.22 |
| 30 | 10 | 303 | CLA | OBD-CAD | 3.51 | 1.28 | 1.22 |
| 30 | B | 836 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 30 | 13 | 301 | CLA | C3D-C2D | 3.51 | 1.48 | 1.39 |
| 37 | 9 | 313 | A86 | C9-C10 | 3.51 | 1.54 | 1.43 |
| 37 | 15 | 316 | A86 | C17-C18 | -3.51 | 1.47 | 1.52 |
| 38 | 4 | 307 | KC1 | CHC-C1C | 3.51 | 1.47 | 1.39 |
| 38 | 7 | 308 | KC1 | CHC-C1C | 3.51 | 1.47 | 1.39 |
| 30 | B | 826 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 30 | B | 827 | CLA | C1D-ND | 3.50 | 1.42 | 1.37 |
| 30 | B | 813 | CLA | CHD-C4C | 3.50 | 1.47 | 1.39 |
| 38 | 14 | 311 | KC1 | C1B-NB | -3.50 | 1.33 | 1.37 |
| 39 | 6 | 303 | DD6 | O2-C18 | 3.50 | 1.53 | 1.43 |
| 30 | A | 822 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 30 | 9 | 301 | CLA | C3D-C2D | 3.50 | 1.48 | 1.39 |
| 30 | B | 827 | CLA | CHD-C4C | 3.50 | 1.47 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 814 | CLA | C3D-C2D | 3.49 | 1.48 | 1.39 |
| 30 | B | 827 | CLA | C3D-C2D | 3.49 | 1.48 | 1.39 |
| 39 | 3 | 312 | DD6 | C-C1 | 3.49 | 1.57 | 1.50 |
| 37 | 14 | 315 | A86 | C19-C18 | 3.49 | 1.57 | 1.52 |
| 30 | 8 | 302 | CLA | C3D-C2D | 3.49 | 1.48 | 1.39 |
| 30 | B | 814 | CLA | CHD-C4C | 3.49 | 1.47 | 1.39 |
| 37 | 10 | 301 | A86 | C9-C10 | 3.49 | 1.54 | 1.43 |
| 29 | A | 801 | CL0 | C1D-ND | 3.49 | 1.42 | 1.37 |
| 38 | 9 | 311 | KC1 | C1B-NB | -3.49 | 1.33 | 1.37 |
| 30 | B | 801 | CLA | CHD-C1D | 3.49 | 1.45 | 1.38 |
| 30 | 4 | 304 | CLA | OBD-CAD | 3.49 | 1.28 | 1.22 |
| 38 | 3 | 304 | KC1 | CHC-C1C | 3.49 | 1.47 | 1.39 |
| 30 | 13 | 302 | CLA | OBD-CAD | 3.48 | 1.28 | 1.22 |
| 30 | 2 | 301 | CLA | C3D-C2D | 3.48 | 1.48 | 1.39 |
| 30 | A | 828 | CLA | C3D-C2D | 3.48 | 1.48 | 1.39 |
| 30 | A | 821 | CLA | C3D-C2D | 3.48 | 1.48 | 1.39 |
| 30 | 7 | 303 | CLA | OBD-CAD | 3.48 | 1.28 | 1.22 |
| 39 | 13 | 314 | DD6 | O2-C18 | 3.48 | 1.53 | 1.43 |
| 30 | F | 201 | CLA | CHD-C1D | 3.48 | 1.45 | 1.38 |
| 38 | 12 | 311 | KC1 | CHC-C1C | 3.48 | 1.47 | 1.39 |
| 39 | 15 | 318 | DD6 | C35-C34 | 3.47 | 1.58 | 1.52 |
| 39 | 3 | 312 | DD6 | O2-C18 | 3.47 | 1.53 | 1.43 |
| 30 | 3 | 306 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 30 | A | 826 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 30 | 7 | 307 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 30 | 8 | 308 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 30 | 2 | 305 | CLA | OBD-CAD | 3.47 | 1.28 | 1.22 |
| 30 | B | 817 | CLA | C3D-C2D | 3.46 | 1.48 | 1.39 |
| 37 | 8 | 315 | A86 | C9-C10 | 3.46 | 1.53 | 1.43 |
| 30 | A | 817 | CLA | OBD-CAD | 3.46 | 1.28 | 1.22 |
| 39 | 1 | 310 | DD6 | O2-C18 | 3.46 | 1.53 | 1.43 |
| 30 | B | 851 | CLA | C3D-C2D | 3.46 | 1.48 | 1.39 |
| 38 | 5 | 306 | KC1 | C1B-NB | -3.46 | 1.33 | 1.37 |
| 30 | B | 822 | CLA | C1D-ND | 3.46 | 1.42 | 1.37 |
| 30 | B | 836 | CLA | CHD-C1D | 3.46 | 1.45 | 1.38 |
| 33 | 2u | 201 | BCR | C1-C6 | -3.46 | 1.49 | 1.53 |
| 37 | 10 | 301 | A86 | C19-C18 | 3.46 | 1.57 | 1.52 |
| 30 | 1 | 301 | CLA | OBD-CAD | 3.46 | 1.28 | 1.22 |
| 37 | 12 | 314 | A86 | C19-C18 | 3.46 | 1.57 | 1.52 |
| 37 | 11 | 315 | A86 | C19-C18 | 3.46 | 1.57 | 1.52 |
| 39 | 15 | 318 | DD6 | O2-C18 | 3.46 | 1.53 | 1.43 |
| 30 | J | 101 | CLA | C3D-C2D | 3.46 | 1.48 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 15 | 320 | A86 | C17-C18 | -3.46 | 1.47 | 1.52 |
| 38 | 2 | 306 | KC1 | C1B-NB | -3.45 | 1.33 | 1.37 |
| 37 | 7 | 316 | A86 | C9-C10 | 3.45 | 1.53 | 1.43 |
| 30 | B | 828 | CLA | OBD-CAD | 3.45 | 1.28 | 1.22 |
| 33 | J | 103 | BCR | C1-C6 | -3.45 | 1.49 | 1.53 |
| 39 | 7 | 317 | DD6 | O2-C18 | 3.45 | 1.53 | 1.43 |
| 30 | 7 | 310 | CLA | OBD-CAD | 3.45 | 1.28 | 1.22 |
| 30 | 9 | 309 | CLA | OBD-CAD | 3.45 | 1.28 | 1.22 |
| 33 | B | 841 | BCR | C1-C6 | -3.44 | 1.49 | 1.53 |
| 30 | F | 203 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | A | 814 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | 16 | 303 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | 5 | 302 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | 2 | 308 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 38 | 7 | 313 | KC1 | C4B-NB | -3.44 | 1.33 | 1.37 |
| 30 | B | 802 | CLA | CHD-C1D | 3.44 | 1.45 | 1.38 |
| 37 | 3 | 314 | A86 | C19-C18 | 3.44 | 1.57 | 1.52 |
| 30 | 6 | 310 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | B | 805 | CLA | OBD-CAD | 3.44 | 1.28 | 1.22 |
| 30 | 5 | 311 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 30 | 6 | 314 | CLA | C3D-C2D | 3.43 | 1.48 | 1.39 |
| 30 | B | 802 | CLA | CHD-C4C | 3.43 | 1.47 | 1.39 |
| 38 | 5 | 310 | KC1 | CHC-C1C | 3.43 | 1.47 | 1.39 |
| 30 | 4 | 311 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 30 | 9 | 303 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 30 | B | 811 | CLA | C3D-C2D | 3.43 | 1.48 | 1.39 |
| 38 | 11 | 307 | KC1 | C1B-NB | -3.43 | 1.33 | 1.37 |
| 30 | A | 818 | CLA | C3D-C2D | 3.43 | 1.48 | 1.39 |
| 37 | 14 | 320 | A86 | C19-C18 | 3.43 | 1.57 | 1.52 |
| 30 | J | 101 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 30 | 5 | 309 | CLA | OBD-CAD | 3.43 | 1.28 | 1.22 |
| 38 | 4 | 308 | KC1 | CHC-C1C | 3.42 | 1.47 | 1.39 |
| 30 | 7 | 303 | CLA | C1D-ND | 3.42 | 1.42 | 1.37 |
| 30 | A | 829 | CLA | C3D-C2D | 3.42 | 1.48 | 1.39 |
| 30 | B | 830 | CLA | OBD-CAD | 3.42 | 1.28 | 1.22 |
| 30 | B | 808 | CLA | OBD-CAD | 3.42 | 1.28 | 1.22 |
| 30 | B | 804 | CLA | OBD-CAD | 3.42 | 1.28 | 1.22 |
| 30 | B | 821 | CLA | C3D-C2D | 3.42 | 1.48 | 1.39 |
| 37 | 15 | 317 | A86 | C19-C18 | 3.42 | 1.57 | 1.52 |
| 30 | B | 837 | CLA | C3D-C2D | 3.42 | 1.48 | 1.39 |
| 30 | 1 | 302 | CLA | OBD-CAD | 3.42 | 1.28 | 1.22 |
| 37 | 9 | 315 | A86 | C19-C18 | 3.42 | 1.57 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|------|-------------|----------|
| 30 | 1 | 305 | CLA | OBD-CAD | 3.42 | 1.28 | 1.22 |
| 30 | B | 826 | CLA | CHD-C4C | 3.42 | 1.47 | 1.39 |
| 37 | 8 | 318 | A86 | C19-C18 | 3.41 | 1.57 | 1.52 |
| 30 | 5 | 302 | CLA | C3D-C2D | 3.41 | 1.48 | 1.39 |
| 30 | 3 | 305 | CLA | OBD-CAD | 3.41 | 1.28 | 1.22 |
| 39 | 7 | 302 | DD6 | C-C1 | 3.41 | 1.57 | 1.50 |
| 39 | 2 | 317 | DD6 | C35-C34 | 3.41 | 1.58 | 1.52 |
| 39 | 15 | 319 | DD6 | O2-C18 | 3.41 | 1.53 | 1.43 |
| 39 | 10 | 314 | DD6 | O2-C18 | 3.41 | 1.53 | 1.43 |
| 30 | A | 830 | CLA | CHD-C4C | 3.41 | 1.47 | 1.39 |
| 30 | 4 | 304 | CLA | C3D-C2D | 3.41 | 1.48 | 1.39 |
| 38 | 12 | 313 | KC1 | CHC-C1C | 3.41 | 1.47 | 1.39 |
| 30 | A | 827 | CLA | CHD-C4C | 3.41 | 1.47 | 1.39 |
| 30 | A | 815 | CLA | OBD-CAD | 3.41 | 1.28 | 1.22 |
| 30 | A | 808 | CLA | OBD-CAD | 3.41 | 1.28 | 1.22 |
| 30 | L | 202 | CLA | CHD-C1D | 3.40 | 1.45 | 1.38 |
| 30 | A | 805 | CLA | OBD-CAD | 3.40 | 1.28 | 1.22 |
| 30 | 6 | 309 | CLA | OBD-CAD | 3.40 | 1.28 | 1.22 |
| 30 | A | 821 | CLA | CHD-C4C | 3.40 | 1.46 | 1.39 |
| 30 | B | 814 | CLA | OBD-CAD | 3.40 | 1.28 | 1.22 |
| 39 | 3 | 316 | DD6 | O2-C18 | 3.40 | 1.53 | 1.43 |
| 30 | 4 | 302 | CLA | OBD-CAD | 3.40 | 1.28 | 1.22 |
| 30 | 4 | 306 | CLA | OBD-CAD | 3.40 | 1.28 | 1.22 |
| 30 | A | 827 | CLA | CHD-C1D | 3.40 | 1.45 | 1.38 |
| 39 | 5 | 313 | DD6 | O2-C18 | 3.40 | 1.53 | 1.43 |
| 30 | 2 | 301 | CLA | CHD-C1D | 3.40 | 1.45 | 1.38 |
| 30 | A | 819 | CLA | C3D-C2D | 3.39 | 1.48 | 1.39 |
| 30 | 9 | 301 | CLA | CHD-C1D | 3.39 | 1.45 | 1.38 |
| 29 | A | 801 | CL0 | CHD-C4C | 3.39 | 1.46 | 1.39 |
| 30 | B | 823 | CLA | C3D-C2D | 3.39 | 1.48 | 1.39 |
| 30 | A | 842 | CLA | OBD-CAD | 3.39 | 1.28 | 1.22 |
| 30 | 6 | 304 | CLA | OBD-CAD | 3.39 | 1.28 | 1.22 |
| 39 | 12 | 315 | DD6 | O2-C18 | 3.39 | 1.53 | 1.43 |
| 30 | 2 | 310 | CLA | OBD-CAD | 3.39 | 1.28 | 1.22 |
| 39 | 9 | 314 | DD6 | C-C1 | 3.39 | 1.57 | 1.50 |
| 30 | A | 811 | CLA | OBD-CAD | 3.39 | 1.28 | 1.22 |
| 30 | 8 | 305 | CLA | CHD-C4C | 3.38 | 1.46 | 1.39 |
| 39 | 9 | 314 | DD6 | O2-C18 | 3.38 | 1.53 | 1.43 |
| 30 | 7 | 305 | CLA | C3D-C2D | 3.38 | 1.48 | 1.39 |
| 30 | 1 | 303 | CLA | OBD-CAD | 3.38 | 1.28 | 1.22 |
| 39 | 15 | 319 | DD6 | C-C1 | 3.38 | 1.57 | 1.50 |
| 30 | 6 | 307 | CLA | OBD-CAD | 3.38 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 4 | 316 | DD6 | O2-C18 | 3.37 | 1.53 | 1.43 |
| 30 | L | 202 | CLA | OBD-CAD | 3.37 | 1.28 | 1.22 |
| 38 | 4 | 308 | KC1 | C4B-NB | -3.37 | 1.33 | 1.37 |
| 30 | A | 840 | CLA | C3D-C2D | 3.37 | 1.48 | 1.39 |
| 39 | 6 | 318 | DD6 | O2-C18 | 3.37 | 1.53 | 1.43 |
| 39 | 3 | 313 | DD6 | O2-C18 | 3.37 | 1.53 | 1.43 |
| 37 | 16 | 312 | A86 | C19-C18 | 3.37 | 1.57 | 1.52 |
| 30 | B | 819 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 30 | 8 | 303 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 30 | B | 825 | CLA | C3D-C2D | 3.36 | 1.48 | 1.39 |
| 37 | 7 | 315 | A86 | C19-C18 | 3.36 | 1.57 | 1.52 |
| 37 | 15 | 322 | A86 | C14-C15 | 3.36 | 1.59 | 1.52 |
| 30 | 10 | 305 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 30 | 4 | 311 | CLA | CAA-C2A | 3.36 | 1.60 | 1.54 |
| 30 | B | 829 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 30 | 8 | 301 | CLA | OBD-CAD | 3.36 | 1.28 | 1.22 |
| 38 | 9 | 312 | KC1 | C1B-NB | -3.36 | 1.33 | 1.37 |
| 37 | 10 | 317 | A86 | C17-C18 | -3.36 | 1.47 | 1.52 |
| 39 | 7 | 314 | DD6 | O2-C18 | 3.36 | 1.53 | 1.43 |
| 30 | 10 | 307 | CLA | OBD-CAD | 3.35 | 1.28 | 1.22 |
| 39 | 10 | 313 | DD6 | O2-C18 | 3.35 | 1.53 | 1.43 |
| 30 | 2 | 307 | CLA | OBD-CAD | 3.35 | 1.28 | 1.22 |
| 30 | B | 802 | CLA | C1D-ND | 3.35 | 1.42 | 1.37 |
| 30 | A | 810 | CLA | OBD-CAD | 3.35 | 1.28 | 1.22 |
| 30 | A | 827 | CLA | C3D-C2D | 3.35 | 1.48 | 1.39 |
| 30 | A | 803 | CLA | CHD-C1D | 3.35 | 1.44 | 1.38 |
| 30 | A | 813 | CLA | OBD-CAD | 3.35 | 1.28 | 1.22 |
| 39 | 3 | 313 | DD6 | C-C1 | 3.35 | 1.57 | 1.50 |
| 39 | 7 | 302 | DD6 | O2-C18 | 3.35 | 1.53 | 1.43 |
| 39 | 6 | 321 | DD6 | O2-C18 | 3.35 | 1.53 | 1.43 |
| 30 | A | 816 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 30 | 9 | 301 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 30 | A | 843 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 39 | 2 | 315 | DD6 | O2-C18 | 3.34 | 1.53 | 1.43 |
| 39 | 3 | 312 | DD6 | C35-C34 | 3.34 | 1.58 | 1.52 |
| 30 | B | 820 | CLA | CHD-C1D | 3.34 | 1.44 | 1.38 |
| 30 | 12 | 304 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 30 | A | 824 | CLA | C3D-C2D | 3.34 | 1.48 | 1.39 |
| 30 | B | 826 | CLA | OBD-CAD | 3.34 | 1.28 | 1.22 |
| 30 | A | 834 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 38 | 14 | 308 | KC1 | C1B-NB | -3.33 | 1.33 | 1.37 |
| 30 | A | 836 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 812 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 30 | A | 806 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 30 | B | 820 | CLA | CHD-C4C | 3.33 | 1.46 | 1.39 |
| 38 | 3 | 308 | KC1 | CHC-C1C | 3.33 | 1.46 | 1.39 |
| 30 | 8 | 305 | CLA | CHD-C1D | 3.33 | 1.44 | 1.38 |
| 30 | B | 820 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 33 | J | 102 | BCR | C1-C6 | -3.33 | 1.49 | 1.53 |
| 30 | B | 817 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 39 | 16 | 313 | DD6 | C-C1 | 3.33 | 1.57 | 1.50 |
| 39 | 16 | 313 | DD6 | O2-C18 | 3.33 | 1.53 | 1.43 |
| 30 | 7 | 311 | CLA | OBD-CAD | 3.33 | 1.28 | 1.22 |
| 33 | B | 841 | BCR | C30-C25 | -3.33 | 1.49 | 1.53 |
| 30 | B | 822 | CLA | C3D-C2D | 3.32 | 1.48 | 1.39 |
| 30 | A | 803 | CLA | OBD-CAD | 3.32 | 1.28 | 1.22 |
| 30 | 2u | 202 | CLA | OBD-CAD | 3.32 | 1.28 | 1.22 |
| 30 | B | 839 | CLA | OBD-CAD | 3.32 | 1.28 | 1.22 |
| 30 | B | 824 | CLA | OBD-CAD | 3.31 | 1.28 | 1.22 |
| 30 | F | 201 | CLA | CHD-C4C | 3.31 | 1.46 | 1.39 |
| 38 | 11 | 312 | KC1 | CHC-C1C | 3.31 | 1.46 | 1.39 |
| 30 | B | 816 | CLA | OBD-CAD | 3.31 | 1.28 | 1.22 |
| 39 | 6 | 319 | DD6 | O2-C18 | 3.31 | 1.53 | 1.43 |
| 30 | A | 806 | CLA | C3D-C2D | 3.30 | 1.48 | 1.39 |
| 30 | B | 810 | CLA | C3D-C2D | 3.30 | 1.48 | 1.39 |
| 30 | B | 809 | CLA | C1D-ND | 3.30 | 1.42 | 1.37 |
| 30 | A | 823 | CLA | OBD-CAD | 3.30 | 1.28 | 1.22 |
| 38 | 6 | 311 | KC1 | CHC-C1C | 3.29 | 1.46 | 1.39 |
| 30 | B | 801 | CLA | C3D-C2D | 3.29 | 1.48 | 1.39 |
| 30 | F | 201 | CLA | C1D-ND | 3.29 | 1.42 | 1.37 |
| 39 | 7 | 317 | DD6 | C-C1 | 3.29 | 1.57 | 1.50 |
| 38 | 13 | 310 | KC1 | C1B-NB | -3.29 | 1.33 | 1.37 |
| 30 | A | 821 | CLA | OBD-CAD | 3.29 | 1.28 | 1.22 |
| 30 | A | 822 | CLA | OBD-CAD | 3.29 | 1.28 | 1.22 |
| 38 | 13 | 311 | KC1 | C1B-NB | -3.29 | 1.33 | 1.37 |
| 30 | 8 | 305 | CLA | C3D-C2D | 3.29 | 1.48 | 1.39 |
| 39 | 6 | 319 | DD6 | C-C1 | 3.29 | 1.57 | 1.50 |
| 30 | B | 819 | CLA | C3D-C2D | 3.29 | 1.48 | 1.39 |
| 38 | 3 | 308 | KC1 | C1B-NB | -3.29 | 1.33 | 1.37 |
| 30 | B | 822 | CLA | OBD-CAD | 3.29 | 1.28 | 1.22 |
| 39 | 7 | 318 | DD6 | C-C1 | 3.29 | 1.57 | 1.50 |
| 30 | B | 801 | CLA | CHD-C4C | 3.29 | 1.46 | 1.39 |
| 38 | 8 | 313 | KC1 | C4B-NB | -3.29 | 1.33 | 1.37 |
| 39 | 2 | 315 | DD6 | C-C1 | 3.29 | 1.57 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 4 | 305 | CLA | OBD-CAD | 3.28 | 1.28 | 1.22 |
| 30 | B | 830 | CLA | C3D-C2D | 3.28 | 1.47 | 1.39 |
| 30 | 2 | 304 | CLA | OBD-CAD | 3.28 | 1.28 | 1.22 |
| 39 | 13 | 314 | DD6 | C-C1 | 3.28 | 1.57 | 1.50 |
| 38 | 8 | 312 | KC1 | C1B-NB | -3.28 | 1.33 | 1.37 |
| 30 | 12 | 306 | CLA | OBD-CAD | 3.28 | 1.28 | 1.22 |
| 30 | 12 | 310 | CLA | OBD-CAD | 3.28 | 1.28 | 1.22 |
| 30 | 2 | 301 | CLA | OBD-CAD | 3.27 | 1.28 | 1.22 |
| 37 | 14 | 317 | A86 | C19-C18 | 3.27 | 1.56 | 1.52 |
| 37 | 3 | 315 | A86 | C19-C18 | 3.27 | 1.56 | 1.52 |
| 30 | A | 830 | CLA | OBD-CAD | 3.27 | 1.28 | 1.22 |
| 30 | B | 818 | CLA | OBD-CAD | 3.26 | 1.28 | 1.22 |
| 39 | 3 | 316 | DD6 | C35-C34 | 3.26 | 1.57 | 1.52 |
| 30 | 5 | 307 | CLA | OBD-CAD | 3.26 | 1.28 | 1.22 |
| 39 | 12 | 315 | DD6 | C-C1 | 3.26 | 1.57 | 1.50 |
| 30 | 2 | 303 | CLA | C1D-ND | 3.26 | 1.42 | 1.37 |
| 39 | 1 | 310 | DD6 | C-C1 | 3.26 | 1.57 | 1.50 |
| 30 | 12 | 321 | CLA | OBD-CAD | 3.26 | 1.28 | 1.22 |
| 39 | 12 | 317 | DD6 | C-C1 | 3.26 | 1.57 | 1.50 |
| 33 | B | 845 | BCR | C30-C25 | -3.25 | 1.49 | 1.53 |
| 39 | 8 | 317 | DD6 | O2-C18 | 3.25 | 1.52 | 1.43 |
| 30 | 4 | 303 | CLA | OBD-CAD | 3.25 | 1.28 | 1.22 |
| 38 | 6 | 313 | KC1 | C4B-NB | -3.25 | 1.33 | 1.37 |
| 30 | A | 828 | CLA | CHD-C1D | 3.25 | 1.44 | 1.38 |
| 30 | A | 820 | CLA | OBD-CAD | 3.25 | 1.28 | 1.22 |
| 30 | A | 833 | CLA | OBD-CAD | 3.25 | 1.28 | 1.22 |
| 30 | B | 813 | CLA | OBD-CAD | 3.25 | 1.28 | 1.22 |
| 39 | 4 | 316 | DD6 | C-C1 | 3.25 | 1.57 | 1.50 |
| 37 | 13 | 313 | A86 | C25-C24 | 3.25 | 1.43 | 1.34 |
| 37 | 15 | 320 | A86 | C25-C24 | 3.24 | 1.43 | 1.34 |
| 39 | 8 | 317 | DD6 | C-C1 | 3.24 | 1.57 | 1.50 |
| 37 | 2u | 203 | A86 | C19-C18 | 3.24 | 1.56 | 1.52 |
| 30 | 16 | 310 | CLA | OBD-CAD | 3.24 | 1.28 | 1.22 |
| 30 | F | 201 | CLA | OBD-CAD | 3.24 | 1.28 | 1.22 |
| 30 | A | 812 | CLA | OBD-CAD | 3.24 | 1.28 | 1.22 |
| 30 | B | 810 | CLA | OBD-CAD | 3.23 | 1.28 | 1.22 |
| 30 | A | 818 | CLA | OBD-CAD | 3.23 | 1.28 | 1.22 |
| 37 | 2 | 318 | A86 | C19-C18 | 3.23 | 1.56 | 1.52 |
| 30 | B | 832 | CLA | OBD-CAD | 3.23 | 1.28 | 1.22 |
| 39 | 6 | 303 | DD6 | C-C1 | 3.23 | 1.57 | 1.50 |
| 39 | 10 | 313 | DD6 | C-C1 | 3.23 | 1.57 | 1.50 |
| 38 | 8 | 310 | KC1 | C4B-NB | -3.23 | 1.33 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 804 | CLA | OBD-CAD | 3.23 | 1.28 | 1.22 |
| 33 | M | 101 | BCR | C1-C6 | -3.23 | 1.49 | 1.53 |
| 39 | 11 | 313 | DD6 | C-C1 | 3.22 | 1.57 | 1.50 |
| 30 | 7 | 306 | CLA | OBD-CAD | 3.22 | 1.28 | 1.22 |
| 38 | 13 | 312 | KC1 | C1B-NB | -3.22 | 1.33 | 1.37 |
| 30 | B | 821 | CLA | OBD-CAD | 3.22 | 1.28 | 1.22 |
| 30 | 9 | 308 | CLA | OBD-CAD | 3.22 | 1.28 | 1.22 |
| 30 | B | 803 | CLA | CHD-C4C | 3.22 | 1.46 | 1.39 |
| 30 | A | 831 | CLA | OBD-CAD | 3.22 | 1.28 | 1.22 |
| 37 | 13 | 313 | A86 | C26-C27 | 3.22 | 1.43 | 1.35 |
| 30 | A | 825 | CLA | OBD-CAD | 3.21 | 1.28 | 1.22 |
| 39 | 3 | 316 | DD6 | C-C1 | 3.21 | 1.57 | 1.50 |
| 38 | 5 | 312 | KC1 | C4B-NB | -3.21 | 1.33 | 1.37 |
| 37 | 12 | 316 | A86 | C19-C18 | 3.21 | 1.56 | 1.52 |
| 39 | 4 | 313 | DD6 | O2-C18 | 3.20 | 1.52 | 1.43 |
| 30 | B | 811 | CLA | OBD-CAD | 3.20 | 1.28 | 1.22 |
| 37 | 11 | 316 | A86 | C19-C18 | 3.20 | 1.56 | 1.52 |
| 38 | 2 | 312 | KC1 | C4B-NB | -3.20 | 1.33 | 1.37 |
| 38 | 2 | 314 | KC1 | C4B-NB | -3.20 | 1.33 | 1.37 |
| 39 | 8 | 316 | DD6 | O2-C18 | 3.20 | 1.52 | 1.43 |
| 30 | B | 838 | CLA | OBD-CAD | 3.20 | 1.28 | 1.22 |
| 39 | 10 | 314 | DD6 | C-C1 | 3.20 | 1.57 | 1.50 |
| 38 | 8 | 314 | KC1 | C4B-NB | -3.20 | 1.33 | 1.37 |
| 37 | 9 | 315 | A86 | C25-C24 | 3.19 | 1.43 | 1.34 |
| 37 | 9 | 316 | A86 | C25-C24 | 3.19 | 1.43 | 1.34 |
| 38 | 11 | 311 | KC1 | C4B-NB | -3.19 | 1.33 | 1.37 |
| 37 | 4 | 312 | A86 | C19-C18 | 3.19 | 1.56 | 1.52 |
| 30 | A | 828 | CLA | CHD-C4C | 3.19 | 1.46 | 1.39 |
| 39 | 5 | 313 | DD6 | C-C1 | 3.19 | 1.57 | 1.50 |
| 30 | B | 803 | CLA | OBD-CAD | 3.19 | 1.28 | 1.22 |
| 30 | A | 835 | CLA | OBD-CAD | 3.19 | 1.28 | 1.22 |
| 30 | 10 | 304 | CLA | OBD-CAD | 3.18 | 1.28 | 1.22 |
| 39 | 7 | 302 | DD6 | C35-C34 | 3.18 | 1.57 | 1.52 |
| 33 | L | 204 | BCR | C30-C25 | -3.18 | 1.49 | 1.53 |
| 38 | 7 | 308 | KC1 | C4B-NB | -3.18 | 1.33 | 1.37 |
| 37 | 15 | 323 | A86 | C25-C24 | 3.18 | 1.43 | 1.34 |
| 37 | 11 | 301 | A86 | C19-C18 | 3.18 | 1.56 | 1.52 |
| 30 | B | 809 | CLA | OBD-CAD | 3.18 | 1.28 | 1.22 |
| 39 | 2 | 317 | DD6 | C-C1 | 3.18 | 1.57 | 1.50 |
| 30 | B | 801 | CLA | OBD-CAD | 3.17 | 1.28 | 1.22 |
| 33 | A | 849 | BCR | C1-C6 | -3.17 | 1.49 | 1.53 |
| 30 | A | 841 | CLA | OBD-CAD | 3.17 | 1.27 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 8 | 311 | KC1 | C4B-NB | -3.17 | 1.33 | 1.37 |
| 39 | 6 | 321 | DD6 | C-C1 | 3.17 | 1.57 | 1.50 |
| 30 | B | 808 | CLA | C3D-C2D | 3.17 | 1.47 | 1.39 |
| 38 | 10 | 312 | KC1 | C4B-NB | -3.17 | 1.33 | 1.37 |
| 38 | 12 | 309 | KC1 | C4B-NB | -3.17 | 1.33 | 1.37 |
| 37 | 13 | 313 | A86 | C24-C1 | 3.17 | 1.52 | 1.46 |
| 37 | 7 | 319 | A86 | C25-C24 | 3.17 | 1.42 | 1.34 |
| 37 | 15 | 322 | A86 | C25-C24 | 3.17 | 1.42 | 1.34 |
| 33 | J | 103 | BCR | C30-C25 | -3.17 | 1.49 | 1.53 |
| 30 | A | 809 | CLA | OBD-CAD | 3.16 | 1.27 | 1.22 |
| 37 | 2u | 205 | A86 | C25-C24 | 3.16 | 1.42 | 1.34 |
| 39 | 12 | 317 | DD6 | C35-C34 | 3.16 | 1.57 | 1.52 |
| 30 | A | 830 | CLA | C1D-ND | 3.16 | 1.42 | 1.37 |
| 39 | 7 | 314 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 38 | 4 | 310 | KC1 | C4B-NB | -3.15 | 1.33 | 1.37 |
| 39 | 4 | 313 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 38 | 16 | 311 | KC1 | C4B-NB | -3.15 | 1.33 | 1.37 |
| 39 | 5 | 314 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 30 | B | 827 | CLA | OBD-CAD | 3.15 | 1.27 | 1.22 |
| 39 | 2 | 316 | DD6 | C-C1 | 3.15 | 1.57 | 1.50 |
| 39 | 7 | 314 | DD6 | C26-C27 | -3.15 | 1.30 | 1.37 |
| 37 | 15 | 315 | A86 | C19-C18 | 3.14 | 1.56 | 1.52 |
| 33 | A | 850 | BCR | C30-C25 | -3.14 | 1.49 | 1.53 |
| 30 | A | 824 | CLA | OBD-CAD | 3.14 | 1.27 | 1.22 |
| 30 | 6 | 305 | CLA | OBD-CAD | 3.14 | 1.27 | 1.22 |
| 30 | 16 | 306 | CLA | OBD-CAD | 3.14 | 1.27 | 1.22 |
| 39 | 5 | 314 | DD6 | O2-C18 | 3.14 | 1.52 | 1.43 |
| 30 | B | 828 | CLA | C3D-C2D | 3.14 | 1.47 | 1.39 |
| 30 | B | 819 | CLA | C1D-ND | 3.14 | 1.42 | 1.37 |
| 38 | 8 | 307 | KC1 | C4B-NB | -3.13 | 1.33 | 1.37 |
| 37 | 13 | 315 | A86 | C25-C24 | 3.12 | 1.42 | 1.34 |
| 37 | 14 | 320 | A86 | C25-C24 | 3.12 | 1.42 | 1.34 |
| 39 | 2 | 316 | DD6 | O2-C18 | 3.12 | 1.52 | 1.43 |
| 38 | 3 | 304 | KC1 | C4B-NB | -3.12 | 1.33 | 1.37 |
| 30 | B | 823 | CLA | OBD-CAD | 3.12 | 1.27 | 1.22 |
| 38 | 16 | 304 | KC1 | C4B-NB | -3.12 | 1.33 | 1.37 |
| 30 | 11 | 306 | CLA | OBD-CAD | 3.12 | 1.27 | 1.22 |
| 37 | 8 | 315 | A86 | C19-C18 | 3.11 | 1.56 | 1.52 |
| 39 | 8 | 316 | DD6 | C-C1 | 3.11 | 1.57 | 1.50 |
| 30 | 7 | 309 | CLA | OBD-CAD | 3.11 | 1.27 | 1.22 |
| 39 | 6 | 318 | DD6 | C-C1 | 3.11 | 1.57 | 1.50 |
| 30 | B | 807 | CLA | OBD-CAD | 3.11 | 1.27 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 830 | CLA | CHD-C1D | 3.11 | 1.44 | 1.38 |
| 38 | 2 | 306 | KC1 | C4B-NB | -3.11 | 1.33 | 1.37 |
| 37 | 15 | 317 | A86 | C25-C24 | 3.11 | 1.42 | 1.34 |
| 38 | 11 | 305 | KC1 | C4B-NB | -3.11 | 1.33 | 1.37 |
| 37 | 11 | 316 | A86 | C25-C24 | 3.11 | 1.42 | 1.34 |
| 30 | B | 833 | CLA | OBD-CAD | 3.11 | 1.27 | 1.22 |
| 30 | B | 837 | CLA | OBD-CAD | 3.10 | 1.27 | 1.22 |
| 38 | 12 | 305 | KC1 | C4B-NB | -3.10 | 1.33 | 1.37 |
| 30 | 15 | 303 | CLA | OBD-CAD | 3.10 | 1.27 | 1.22 |
| 38 | 8 | 306 | KC1 | C4B-NB | -3.10 | 1.33 | 1.37 |
| 38 | 13 | 310 | KC1 | C4B-NB | -3.10 | 1.33 | 1.37 |
| 37 | 10 | 317 | A86 | C25-C24 | 3.10 | 1.42 | 1.34 |
| 29 | A | 801 | CL0 | OBD-CAD | 3.10 | 1.27 | 1.22 |
| 37 | 4 | 314 | A86 | C25-C24 | 3.10 | 1.42 | 1.34 |
| 33 | L | 201 | BCR | C1-C6 | -3.10 | 1.49 | 1.53 |
| 38 | 3 | 308 | KC1 | C4B-NB | -3.10 | 1.33 | 1.37 |
| 38 | 9 | 312 | KC1 | C4B-NB | -3.09 | 1.33 | 1.37 |
| 39 | 10 | 313 | DD6 | C9-C8 | 3.09 | 1.42 | 1.34 |
| 33 | A | 847 | BCR | C30-C25 | -3.09 | 1.49 | 1.53 |
| 33 | A | 851 | BCR | C30-C25 | -3.09 | 1.49 | 1.53 |
| 30 | B | 819 | CLA | C3D-C4D | -3.09 | 1.37 | 1.44 |
| 30 | 8 | 304 | CLA | OBD-CAD | 3.09 | 1.27 | 1.22 |
| 38 | 9 | 304 | KC1 | C4B-NB | -3.09 | 1.33 | 1.37 |
| 38 | 11 | 312 | KC1 | C4B-NB | -3.08 | 1.33 | 1.37 |
| 37 | 3 | 315 | A86 | C25-C24 | 3.08 | 1.42 | 1.34 |
| 38 | 5 | 305 | KC1 | C4B-NB | -3.08 | 1.33 | 1.37 |
| 37 | 10 | 302 | A86 | C25-C24 | 3.08 | 1.42 | 1.34 |
| 30 | 8 | 302 | CLA | OBD-CAD | 3.07 | 1.27 | 1.22 |
| 39 | 11 | 313 | DD6 | C35-C34 | 3.07 | 1.57 | 1.52 |
| 39 | 13 | 314 | DD6 | C9-C8 | 3.07 | 1.42 | 1.34 |
| 38 | 4 | 307 | KC1 | C4B-NB | -3.07 | 1.33 | 1.37 |
| 33 | A | 851 | BCR | C1-C6 | -3.07 | 1.49 | 1.53 |
| 33 | B | 846 | BCR | C30-C25 | -3.07 | 1.49 | 1.53 |
| 37 | 12 | 316 | A86 | C25-C24 | 3.07 | 1.42 | 1.34 |
| 38 | 13 | 311 | KC1 | C4A-C3A | 3.06 | 1.50 | 1.44 |
| 30 | B | 831 | CLA | OBD-CAD | 3.06 | 1.27 | 1.22 |
| 37 | 13 | 313 | A86 | C-C1 | 3.06 | 1.57 | 1.50 |
| 33 | A | 848 | BCR | C1-C6 | -3.06 | 1.49 | 1.53 |
| 30 | A | 819 | CLA | OBD-CAD | 3.05 | 1.27 | 1.22 |
| 39 | 6 | 321 | DD6 | C35-C34 | 3.05 | 1.57 | 1.52 |
| 37 | 5 | 301 | A86 | C25-C24 | 3.05 | 1.42 | 1.34 |
| 30 | A | 832 | CLA | OBD-CAD | 3.05 | 1.27 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 12 | 313 | KC1 | C4B-NB | -3.05 | 1.33 | 1.37 |
| 37 | 14 | 318 | A86 | C25-C24 | 3.05 | 1.42 | 1.34 |
| 37 | 15 | 315 | A86 | C25-C24 | 3.04 | 1.42 | 1.34 |
| 38 | 4 | 308 | KC1 | C2A-C1A | 3.04 | 1.54 | 1.44 |
| 38 | 8 | 312 | KC1 | C4A-C3A | 3.04 | 1.50 | 1.44 |
| 30 | 3 | 301 | CLA | OBD-CAD | 3.04 | 1.27 | 1.22 |
| 38 | 6 | 308 | KC1 | C4B-NB | -3.04 | 1.33 | 1.37 |
| 38 | 5 | 306 | KC1 | C4B-NB | -3.04 | 1.33 | 1.37 |
| 39 | 7 | 318 | DD6 | C35-C34 | 3.03 | 1.57 | 1.52 |
| 30 | B | 815 | CLA | OBD-CAD | 3.03 | 1.27 | 1.22 |
| 38 | 9 | 310 | KC1 | C4B-NB | -3.03 | 1.33 | 1.37 |
| 30 | A | 807 | CLA | OBD-CAD | 3.02 | 1.27 | 1.22 |
| 37 | 15 | 316 | A86 | C25-C24 | 3.02 | 1.42 | 1.34 |
| 38 | 3 | 311 | KC1 | C4B-NB | -3.02 | 1.33 | 1.37 |
| 37 | 15 | 321 | A86 | C25-C24 | 3.02 | 1.42 | 1.34 |
| 38 | 5 | 310 | KC1 | C4B-NB | -3.02 | 1.33 | 1.37 |
| 37 | 9 | 316 | A86 | C26-C27 | 3.01 | 1.42 | 1.35 |
| 38 | 11 | 307 | KC1 | C4B-NB | -3.01 | 1.33 | 1.37 |
| 38 | 10 | 310 | KC1 | C4B-NB | -3.01 | 1.33 | 1.37 |
| 37 | 3 | 314 | A86 | C25-C24 | 3.00 | 1.42 | 1.34 |
| 38 | 8 | 312 | KC1 | C4B-NB | -3.00 | 1.33 | 1.37 |
| 37 | 5 | 316 | A86 | C19-C18 | 3.00 | 1.56 | 1.52 |
| 37 | 2u | 205 | A86 | C19-C18 | 3.00 | 1.56 | 1.52 |
| 37 | 14 | 314 | A86 | C25-C24 | 3.00 | 1.42 | 1.34 |
| 37 | 2 | 318 | A86 | C14-C15 | 3.00 | 1.58 | 1.52 |
| 37 | 9 | 316 | A86 | C14-C15 | 3.00 | 1.58 | 1.52 |
| 33 | B | 843 | BCR | C1-C6 | -3.00 | 1.49 | 1.53 |
| 37 | 15 | 315 | A86 | C26-C27 | 3.00 | 1.42 | 1.35 |
| 39 | 11 | 313 | DD6 | C9-C8 | 3.00 | 1.42 | 1.34 |
| 37 | 14 | 319 | A86 | C25-C24 | 3.00 | 1.42 | 1.34 |
| 37 | 15 | 316 | A86 | C26-C27 | 3.00 | 1.42 | 1.35 |
| 39 | 4 | 316 | DD6 | C35-C34 | 2.99 | 1.57 | 1.52 |
| 37 | 2 | 318 | A86 | C25-C24 | 2.99 | 1.42 | 1.34 |
| 37 | 15 | 315 | A86 | C14-C15 | 2.99 | 1.58 | 1.52 |
| 37 | 15 | 315 | A86 | C24-C1 | 2.99 | 1.52 | 1.46 |
| 37 | 4 | 315 | A86 | C19-C18 | 2.98 | 1.56 | 1.52 |
| 39 | 8 | 317 | DD6 | C35-C34 | 2.98 | 1.57 | 1.52 |
| 37 | 9 | 315 | A86 | O-C13 | -2.98 | 1.17 | 1.23 |
| 30 | 12 | 307 | CLA | OBD-CAD | 2.98 | 1.27 | 1.22 |
| 33 | L | 205 | BCR | C1-C6 | -2.98 | 1.50 | 1.53 |
| 37 | 2 | 319 | A86 | C19-C18 | 2.98 | 1.56 | 1.52 |
| 30 | 5 | 303 | CLA | OBD-CAD | 2.98 | 1.27 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 9 | 313 | A86 | C19-C18 | 2.98 | 1.56 | 1.52 |
| 37 | 14 | 316 | A86 | C19-C18 | 2.98 | 1.56 | 1.52 |
| 30 | 4 | 301 | CLA | OBD-CAD | 2.98 | 1.27 | 1.22 |
| 39 | 10 | 314 | DD6 | C9-C8 | 2.97 | 1.42 | 1.34 |
| 37 | 16 | 312 | A86 | C25-C24 | 2.97 | 1.42 | 1.34 |
| 38 | 1 | 308 | KC1 | C4B-NB | -2.97 | 1.34 | 1.37 |
| 30 | B | 802 | CLA | OBD-CAD | 2.97 | 1.27 | 1.22 |
| 39 | 6 | 319 | DD6 | C9-C8 | 2.97 | 1.42 | 1.34 |
| 30 | 6 | 306 | CLA | OBD-CAD | 2.97 | 1.27 | 1.22 |
| 37 | 9 | 313 | A86 | C14-C15 | 2.97 | 1.58 | 1.52 |
| 30 | A | 803 | CLA | C1D-ND | 2.96 | 1.41 | 1.37 |
| 30 | B | 806 | CLA | OBD-CAD | 2.95 | 1.27 | 1.22 |
| 39 | 16 | 313 | DD6 | C9-C8 | 2.95 | 1.42 | 1.34 |
| 37 | 11 | 301 | A86 | C25-C24 | 2.95 | 1.42 | 1.34 |
| 37 | 14 | 316 | A86 | C25-C24 | 2.94 | 1.42 | 1.34 |
| 39 | 7 | 317 | DD6 | C26-C27 | -2.94 | 1.31 | 1.37 |
| 37 | 10 | 315 | A86 | C25-C24 | 2.94 | 1.42 | 1.34 |
| 37 | 9 | 315 | A86 | C24-C1 | 2.94 | 1.52 | 1.46 |
| 37 | 15 | 320 | A86 | C26-C27 | 2.94 | 1.42 | 1.35 |
| 37 | 14 | 301 | A86 | C25-C24 | 2.94 | 1.42 | 1.34 |
| 37 | 8 | 318 | A86 | O-C13 | -2.94 | 1.17 | 1.23 |
| 37 | 15 | 320 | A86 | C24-C1 | 2.94 | 1.52 | 1.46 |
| 37 | 9 | 315 | A86 | C14-C15 | 2.94 | 1.58 | 1.52 |
| 33 | A | 850 | BCR | C1-C6 | -2.93 | 1.50 | 1.53 |
| 37 | 15 | 315 | A86 | C2-C1 | 2.93 | 1.42 | 1.35 |
| 37 | 6 | 320 | A86 | O-C13 | -2.92 | 1.17 | 1.23 |
| 30 | 16 | 302 | CLA | OBD-CAD | 2.92 | 1.27 | 1.22 |
| 39 | 13 | 314 | DD6 | C35-C34 | 2.92 | 1.57 | 1.52 |
| 37 | 5 | 315 | A86 | C25-C24 | 2.92 | 1.42 | 1.34 |
| 39 | 9 | 314 | DD6 | C9-C8 | 2.92 | 1.42 | 1.34 |
| 38 | 6 | 308 | KC1 | CAA-C2A | 2.92 | 1.55 | 1.46 |
| 37 | 5 | 316 | A86 | C25-C24 | 2.92 | 1.42 | 1.34 |
| 30 | 8 | 305 | CLA | C3D-C4D | -2.92 | 1.37 | 1.44 |
| 36 | 14 | 321 | LMG | O7-C8 | -2.92 | 1.39 | 1.46 |
| 39 | 3 | 312 | DD6 | C9-C8 | 2.91 | 1.42 | 1.34 |
| 38 | 14 | 311 | KC1 | C4B-NB | -2.91 | 1.34 | 1.37 |
| 38 | 10 | 306 | KC1 | C4B-NB | -2.91 | 1.34 | 1.37 |
| 39 | 1 | 310 | DD6 | C35-C34 | 2.91 | 1.57 | 1.52 |
| 30 | B | 803 | CLA | C1C-NC | -2.91 | 1.33 | 1.37 |
| 30 | A | 829 | CLA | OBD-CAD | 2.91 | 1.27 | 1.22 |
| 39 | 7 | 302 | DD6 | C9-C8 | 2.91 | 1.42 | 1.34 |
| 37 | 9 | 315 | A86 | C26-C27 | 2.90 | 1.42 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 15 | 323 | A86 | C24-C1 | 2.90 | 1.52 | 1.46 |
| 37 | 4 | 315 | A86 | C25-C24 | 2.90 | 1.42 | 1.34 |
| 37 | 15 | 322 | A86 | C24-C1 | 2.90 | 1.52 | 1.46 |
| 39 | 6 | 303 | DD6 | C9-C8 | 2.90 | 1.42 | 1.34 |
| 37 | 12 | 314 | A86 | C25-C24 | 2.90 | 1.42 | 1.34 |
| 39 | 7 | 314 | DD6 | C35-C34 | 2.90 | 1.57 | 1.52 |
| 38 | 12 | 313 | KC1 | CAA-C2A | 2.90 | 1.55 | 1.46 |
| 37 | 11 | 314 | A86 | C25-C24 | 2.89 | 1.42 | 1.34 |
| 37 | 2 | 302 | A86 | C25-C24 | 2.89 | 1.42 | 1.34 |
| 39 | 2 | 317 | DD6 | C9-C8 | 2.89 | 1.42 | 1.34 |
| 39 | 5 | 313 | DD6 | C9-C8 | 2.89 | 1.42 | 1.34 |
| 37 | 15 | 323 | A86 | C26-C27 | 2.88 | 1.42 | 1.35 |
| 38 | 8 | 314 | KC1 | C2A-C1A | 2.88 | 1.53 | 1.44 |
| 39 | 2 | 315 | DD6 | C9-C8 | 2.88 | 1.42 | 1.34 |
| 37 | 4 | 317 | A86 | C25-C24 | 2.88 | 1.42 | 1.34 |
| 37 | 9 | 316 | A86 | C24-C1 | 2.88 | 1.52 | 1.46 |
| 33 | B | 846 | BCR | C1-C6 | -2.88 | 1.50 | 1.53 |
| 37 | 15 | 322 | A86 | C-C1 | 2.88 | 1.56 | 1.50 |
| 30 | 14 | 307 | CLA | C4C-C3C | 2.88 | 1.49 | 1.45 |
| 37 | 16 | 314 | A86 | C14-C15 | 2.88 | 1.58 | 1.52 |
| 33 | B | 842 | BCR | C1-C6 | -2.88 | 1.50 | 1.53 |
| 38 | 4 | 310 | KC1 | CHB-C4A | -2.87 | 1.32 | 1.39 |
| 38 | 12 | 311 | KC1 | C4B-NB | -2.87 | 1.34 | 1.37 |
| 37 | 11 | 315 | A86 | C25-C24 | 2.87 | 1.42 | 1.34 |
| 30 | A | 840 | CLA | OBD-CAD | 2.87 | 1.27 | 1.22 |
| 39 | 12 | 317 | DD6 | C26-C27 | -2.86 | 1.31 | 1.37 |
| 38 | 14 | 306 | KC1 | C4C-C3C | 2.86 | 1.49 | 1.45 |
| 37 | 6 | 320 | A86 | C25-C24 | 2.86 | 1.42 | 1.34 |
| 39 | 10 | 313 | DD6 | C35-C34 | 2.86 | 1.57 | 1.52 |
| 38 | 9 | 311 | KC1 | C4B-NB | -2.86 | 1.34 | 1.37 |
| 37 | 15 | 317 | A86 | C26-C27 | 2.86 | 1.42 | 1.35 |
| 38 | 13 | 305 | KC1 | CAA-C2A | 2.86 | 1.55 | 1.46 |
| 39 | 5 | 314 | DD6 | C26-C27 | -2.85 | 1.31 | 1.37 |
| 30 | B | 828 | CLA | C3D-C4D | -2.85 | 1.37 | 1.44 |
| 39 | 6 | 303 | DD6 | O1-C20 | 2.85 | 1.50 | 1.46 |
| 39 | 3 | 313 | DD6 | C9-C8 | 2.85 | 1.42 | 1.34 |
| 39 | 12 | 317 | DD6 | C9-C8 | 2.85 | 1.42 | 1.34 |
| 37 | 15 | 322 | A86 | C26-C27 | 2.85 | 1.42 | 1.35 |
| 37 | 7 | 315 | A86 | C25-C24 | 2.85 | 1.42 | 1.34 |
| 37 | 11 | 316 | A86 | C26-C27 | 2.85 | 1.42 | 1.35 |
| 38 | 14 | 308 | KC1 | C4C-C3C | 2.85 | 1.49 | 1.45 |
| 37 | 2 | 318 | A86 | C26-C27 | 2.85 | 1.42 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 6 | 312 | KC1 | C4B-NB | -2.84 | 1.34 | 1.37 |
| 38 | 13 | 308 | KC1 | C4B-NB | -2.84 | 1.34 | 1.37 |
| 30 | A | 828 | CLA | C1C-NC | -2.84 | 1.33 | 1.37 |
| 37 | 2 | 318 | A86 | O-C13 | -2.84 | 1.17 | 1.23 |
| 39 | 16 | 313 | DD6 | C35-C34 | 2.84 | 1.57 | 1.52 |
| 37 | 7 | 319 | A86 | C26-C27 | 2.84 | 1.42 | 1.35 |
| 37 | 9 | 315 | A86 | C-C1 | 2.84 | 1.56 | 1.50 |
| 37 | 14 | 320 | A86 | C-C1 | 2.84 | 1.56 | 1.50 |
| 39 | 15 | 318 | DD6 | C9-C8 | 2.84 | 1.42 | 1.34 |
| 38 | 14 | 306 | KC1 | C3B-C4B | 2.84 | 1.51 | 1.46 |
| 39 | 3 | 316 | DD6 | C9-C8 | 2.84 | 1.42 | 1.34 |
| 37 | 10 | 301 | A86 | C-C1 | 2.83 | 1.56 | 1.50 |
| 30 | 3 | 307 | CLA | C4D-CHA | 2.83 | 1.48 | 1.38 |
| 37 | 3 | 315 | A86 | C26-C27 | 2.83 | 1.42 | 1.35 |
| 39 | 15 | 319 | DD6 | C9-C8 | 2.83 | 1.42 | 1.34 |
| 38 | 1 | 308 | KC1 | CHB-C4A | -2.82 | 1.32 | 1.39 |
| 37 | 10 | 317 | A86 | C24-C1 | 2.82 | 1.52 | 1.46 |
| 30 | 15 | 306 | CLA | C4D-CHA | 2.82 | 1.48 | 1.38 |
| 37 | 14 | 301 | A86 | C-C1 | 2.82 | 1.56 | 1.50 |
| 37 | 15 | 321 | A86 | C26-C27 | 2.82 | 1.42 | 1.35 |
| 39 | 3 | 313 | DD6 | C35-C34 | 2.82 | 1.57 | 1.52 |
| 37 | 15 | 316 | A86 | C24-C1 | 2.82 | 1.52 | 1.46 |
| 30 | A | 840 | CLA | C3D-C4D | -2.82 | 1.37 | 1.44 |
| 37 | 14 | 320 | A86 | C26-C27 | 2.81 | 1.42 | 1.35 |
| 30 | A | 827 | CLA | C3D-C4D | -2.81 | 1.37 | 1.44 |
| 37 | 10 | 317 | A86 | C14-C15 | 2.81 | 1.58 | 1.52 |
| 30 | 4 | 309 | CLA | C4D-CHA | 2.81 | 1.48 | 1.38 |
| 39 | 1 | 310 | DD6 | C9-C8 | 2.81 | 1.42 | 1.34 |
| 37 | 14 | 317 | A86 | C25-C24 | 2.81 | 1.42 | 1.34 |
| 39 | 4 | 313 | DD6 | C9-C8 | 2.81 | 1.42 | 1.34 |
| 37 | 14 | 316 | A86 | C-C1 | 2.81 | 1.56 | 1.50 |
| 39 | 4 | 316 | DD6 | C9-C8 | 2.80 | 1.42 | 1.34 |
| 30 | 15 | 303 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 30 | 15 | 308 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 38 | 14 | 306 | KC1 | CHB-C4A | -2.80 | 1.32 | 1.39 |
| 37 | 10 | 315 | A86 | C-C1 | 2.80 | 1.56 | 1.50 |
| 30 | 15 | 311 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 30 | 14 | 309 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 37 | 13 | 315 | A86 | C24-C1 | 2.80 | 1.51 | 1.46 |
| 30 | B | 825 | CLA | C3D-C4D | -2.80 | 1.37 | 1.44 |
| 37 | 14 | 320 | A86 | C24-C1 | 2.80 | 1.51 | 1.46 |
| 37 | 1 | 309 | A86 | C25-C24 | 2.80 | 1.42 | 1.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 6 | 318 | DD6 | C9-C8 | 2.80 | 1.42 | 1.34 |
| 30 | 9 | 306 | CLA | C4D-CHA | 2.80 | 1.48 | 1.38 |
| 30 | B | 824 | CLA | C3D-C4D | -2.80 | 1.37 | 1.44 |
| 37 | 15 | 317 | A86 | C-C1 | 2.79 | 1.56 | 1.50 |
| 37 | 10 | 301 | A86 | C25-C24 | 2.79 | 1.42 | 1.34 |
| 37 | 15 | 323 | A86 | C-C1 | 2.79 | 1.56 | 1.50 |
| 37 | 2u | 203 | A86 | C25-C24 | 2.79 | 1.42 | 1.34 |
| 37 | 13 | 315 | A86 | C-C1 | 2.79 | 1.56 | 1.50 |
| 37 | 16 | 314 | A86 | C25-C24 | 2.79 | 1.42 | 1.34 |
| 37 | 15 | 317 | A86 | C24-C1 | 2.79 | 1.51 | 1.46 |
| 37 | 4 | 317 | A86 | C19-C18 | 2.79 | 1.56 | 1.52 |
| 39 | 6 | 303 | DD6 | C26-C27 | -2.79 | 1.31 | 1.37 |
| 30 | B | 834 | CLA | C3D-C4D | -2.79 | 1.37 | 1.44 |
| 30 | 3 | 307 | CLA | C4C-C3C | 2.79 | 1.49 | 1.45 |
| 30 | 1 | 305 | CLA | C4D-CHA | 2.78 | 1.47 | 1.38 |
| 38 | 10 | 310 | KC1 | CHB-C4A | -2.78 | 1.32 | 1.39 |
| 30 | A | 838 | CLA | C3D-C4D | -2.78 | 1.37 | 1.44 |
| 30 | 13 | 309 | CLA | C4D-CHA | 2.78 | 1.47 | 1.38 |
| 39 | 8 | 316 | DD6 | C26-C27 | -2.78 | 1.31 | 1.37 |
| 30 | 6 | 315 | CLA | C4D-CHA | 2.78 | 1.47 | 1.38 |
| 39 | 6 | 321 | DD6 | C26-C27 | -2.78 | 1.31 | 1.37 |
| 37 | 7 | 316 | A86 | C19-C18 | 2.78 | 1.56 | 1.52 |
| 30 | 16 | 307 | CLA | C4D-CHA | 2.78 | 1.47 | 1.38 |
| 39 | 12 | 315 | DD6 | C9-C8 | 2.78 | 1.41 | 1.34 |
| 39 | 7 | 317 | DD6 | C9-C8 | 2.78 | 1.41 | 1.34 |
| 38 | 10 | 312 | KC1 | CHB-C4A | -2.78 | 1.32 | 1.39 |
| 30 | B | 811 | CLA | C3D-C4D | -2.77 | 1.37 | 1.44 |
| 39 | 8 | 317 | DD6 | C9-C8 | 2.77 | 1.41 | 1.34 |
| 30 | 15 | 305 | CLA | C4D-CHA | 2.77 | 1.47 | 1.38 |
| 39 | 8 | 316 | DD6 | C9-C8 | 2.77 | 1.41 | 1.34 |
| 37 | 4 | 317 | A86 | C14-C15 | 2.77 | 1.58 | 1.52 |
| 30 | A | 824 | CLA | C3D-C4D | -2.77 | 1.38 | 1.44 |
| 38 | 16 | 311 | KC1 | C2A-C1A | 2.77 | 1.53 | 1.44 |
| 30 | A | 828 | CLA | OBD-CAD | 2.77 | 1.27 | 1.22 |
| 37 | 9 | 313 | A86 | O-C13 | -2.76 | 1.17 | 1.23 |
| 37 | 15 | 320 | A86 | C-C1 | 2.76 | 1.56 | 1.50 |
| 39 | 7 | 314 | DD6 | C9-C8 | 2.76 | 1.41 | 1.34 |
| 30 | A | 822 | CLA | C3D-C4D | -2.76 | 1.38 | 1.44 |
| 39 | 7 | 318 | DD6 | C26-C27 | -2.76 | 1.31 | 1.37 |
| 38 | 5 | 306 | KC1 | CHB-C4A | -2.76 | 1.32 | 1.39 |
| 37 | 4 | 315 | A86 | O-C13 | -2.76 | 1.17 | 1.23 |
| 30 | A | 825 | CLA | C4D-CHA | 2.76 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 13 | 312 | KC1 | C4B-NB | -2.75 | 1.34 | 1.37 |
| 37 | 4 | 317 | A86 | C-C1 | 2.75 | 1.56 | 1.50 |
| 30 | 14 | 303 | CLA | C4D-CHA | 2.75 | 1.47 | 1.38 |
| 30 | 3 | 306 | CLA | C4D-CHA | 2.75 | 1.47 | 1.38 |
| 30 | 15 | 309 | CLA | C4D-CHA | 2.75 | 1.47 | 1.38 |
| 30 | B | 825 | CLA | OBD-CAD | 2.75 | 1.27 | 1.22 |
| 30 | A | 838 | CLA | C4D-CHA | 2.75 | 1.47 | 1.38 |
| 33 | A | 849 | BCR | C30-C25 | -2.75 | 1.50 | 1.53 |
| 33 | 2u | 201 | BCR | C30-C25 | -2.75 | 1.50 | 1.53 |
| 30 | A | 827 | CLA | OBD-CAD | 2.75 | 1.27 | 1.22 |
| 39 | 12 | 315 | DD6 | C35-C34 | 2.75 | 1.57 | 1.52 |
| 37 | 5 | 315 | A86 | C-C1 | 2.75 | 1.56 | 1.50 |
| 30 | 7 | 312 | CLA | C4D-CHA | 2.75 | 1.47 | 1.38 |
| 37 | 10 | 316 | A86 | C19-C18 | 2.75 | 1.56 | 1.52 |
| 30 | 7 | 304 | CLA | OBD-CAD | 2.75 | 1.27 | 1.22 |
| 39 | 6 | 318 | DD6 | C26-C27 | -2.75 | 1.31 | 1.37 |
| 37 | 15 | 316 | A86 | C14-C15 | 2.75 | 1.58 | 1.52 |
| 37 | 16 | 314 | A86 | O-C13 | -2.74 | 1.17 | 1.23 |
| 37 | 2u | 205 | A86 | C24-C1 | 2.74 | 1.51 | 1.46 |
| 39 | 5 | 313 | DD6 | C35-C34 | 2.74 | 1.57 | 1.52 |
| 37 | 4 | 314 | A86 | C26-C27 | 2.74 | 1.42 | 1.35 |
| 37 | 10 | 315 | A86 | C24-C1 | 2.74 | 1.51 | 1.46 |
| 39 | 1 | 310 | DD6 | C26-C27 | -2.74 | 1.31 | 1.37 |
| 30 | 9 | 305 | CLA | C4D-CHA | 2.74 | 1.47 | 1.38 |
| 30 | 14 | 312 | CLA | C4D-CHA | 2.74 | 1.47 | 1.38 |
| 38 | 11 | 312 | KC1 | C2A-C1A | 2.74 | 1.53 | 1.44 |
| 38 | 13 | 306 | KC1 | C4B-NB | -2.74 | 1.34 | 1.37 |
| 37 | 15 | 316 | A86 | C-C1 | 2.74 | 1.56 | 1.50 |
| 30 | 3 | 302 | CLA | C4D-CHA | 2.74 | 1.47 | 1.38 |
| 37 | 2u | 205 | A86 | C26-C27 | 2.74 | 1.42 | 1.35 |
| 30 | B | 823 | CLA | C4D-CHA | 2.74 | 1.47 | 1.38 |
| 38 | 4 | 308 | KC1 | C4A-C3A | 2.73 | 1.50 | 1.44 |
| 37 | 10 | 317 | A86 | C26-C27 | 2.73 | 1.42 | 1.35 |
| 39 | 9 | 314 | DD6 | C35-C34 | 2.73 | 1.57 | 1.52 |
| 37 | 10 | 316 | A86 | C25-C24 | 2.73 | 1.41 | 1.34 |
| 30 | A | 828 | CLA | C3D-C4D | -2.73 | 1.38 | 1.44 |
| 30 | B | 815 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 37 | 14 | 318 | A86 | C-C1 | 2.73 | 1.56 | 1.50 |
| 37 | 2 | 302 | A86 | C24-C1 | 2.73 | 1.51 | 1.46 |
| 37 | 14 | 315 | A86 | C25-C24 | 2.73 | 1.41 | 1.34 |
| 37 | 4 | 315 | A86 | C-C1 | 2.73 | 1.56 | 1.50 |
| 37 | 12 | 316 | A86 | C26-C27 | 2.73 | 1.42 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 2 | 313 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 30 | 12 | 321 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 30 | A | 841 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 30 | 16 | 305 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 37 | 7 | 316 | A86 | O4-C34 | -2.73 | 1.40 | 1.46 |
| 30 | 12 | 303 | CLA | C4D-CHA | 2.73 | 1.47 | 1.38 |
| 38 | 16 | 311 | KC1 | CHB-C4A | -2.73 | 1.33 | 1.39 |
| 37 | 7 | 315 | A86 | C24-C1 | 2.72 | 1.51 | 1.46 |
| 33 | B | 845 | BCR | C1-C6 | -2.72 | 1.50 | 1.53 |
| 37 | 13 | 315 | A86 | C26-C27 | 2.72 | 1.42 | 1.35 |
| 37 | 2 | 302 | A86 | C-C1 | 2.72 | 1.56 | 1.50 |
| 30 | 4 | 302 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 39 | 7 | 317 | DD6 | C35-C34 | 2.72 | 1.57 | 1.52 |
| 37 | 2 | 302 | A86 | C26-C27 | 2.72 | 1.42 | 1.35 |
| 37 | 10 | 316 | A86 | C-C1 | 2.72 | 1.56 | 1.50 |
| 30 | A | 831 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 38 | 6 | 308 | KC1 | CHB-C4A | -2.72 | 1.33 | 1.39 |
| 30 | 13 | 302 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 39 | 6 | 318 | DD6 | C35-C34 | 2.72 | 1.57 | 1.52 |
| 37 | 13 | 313 | A86 | C2-C1 | 2.72 | 1.42 | 1.35 |
| 30 | 15 | 310 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 39 | 8 | 316 | DD6 | C35-C34 | 2.72 | 1.57 | 1.52 |
| 37 | 3 | 314 | A86 | C24-C1 | 2.72 | 1.51 | 1.46 |
| 38 | 5 | 312 | KC1 | CHB-C4A | -2.72 | 1.33 | 1.39 |
| 39 | 2 | 317 | DD6 | C26-C27 | -2.72 | 1.31 | 1.37 |
| 37 | 10 | 315 | A86 | C26-C27 | 2.72 | 1.42 | 1.35 |
| 37 | 7 | 319 | A86 | C14-C15 | 2.72 | 1.58 | 1.52 |
| 30 | 3 | 310 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 30 | 13 | 304 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 39 | 3 | 313 | DD6 | C26-C27 | -2.72 | 1.31 | 1.37 |
| 30 | A | 826 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 30 | 13 | 307 | CLA | C4D-CHA | 2.72 | 1.47 | 1.38 |
| 39 | 13 | 314 | DD6 | C4-C5 | 2.72 | 1.51 | 1.43 |
| 38 | 9 | 312 | KC1 | C4A-C3A | 2.71 | 1.50 | 1.44 |
| 30 | B | 822 | CLA | C3D-C4D | -2.71 | 1.38 | 1.44 |
| 37 | 3 | 315 | A86 | C-C1 | 2.71 | 1.56 | 1.50 |
| 30 | 6 | 310 | CLA | C4D-CHA | 2.71 | 1.47 | 1.38 |
| 37 | 14 | 318 | A86 | C26-C27 | 2.71 | 1.42 | 1.35 |
| 39 | 5 | 314 | DD6 | C9-C8 | 2.71 | 1.41 | 1.34 |
| 37 | 10 | 315 | A86 | C2-C1 | 2.71 | 1.42 | 1.35 |
| 30 | 14 | 310 | CLA | C4D-CHA | 2.71 | 1.47 | 1.38 |
| 33 | B | 844 | BCR | C1-C6 | -2.71 | 1.50 | 1.53 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 11 | 313 | DD6 | C26-C27 | -2.71 | 1.31 | 1.37 |
| 30 | 11 | 310 | CLA | C4D-CHA | 2.71 | 1.47 | 1.38 |
| 37 | 3 | 314 | A86 | C-C1 | 2.71 | 1.56 | 1.50 |
| 39 | 5 | 313 | DD6 | C26-C27 | -2.71 | 1.31 | 1.37 |
| 30 | 1 | 301 | CLA | C4D-CHA | 2.71 | 1.47 | 1.38 |
| 37 | 7 | 315 | A86 | C26-C27 | 2.71 | 1.42 | 1.35 |
| 37 | 4 | 312 | A86 | C25-C24 | 2.71 | 1.41 | 1.34 |
| 30 | A | 806 | CLA | C3D-C4D | -2.71 | 1.38 | 1.44 |
| 37 | 3 | 315 | A86 | C24-C1 | 2.71 | 1.51 | 1.46 |
| 37 | 15 | 321 | A86 | C-C1 | 2.71 | 1.56 | 1.50 |
| 37 | 12 | 314 | A86 | C-C1 | 2.70 | 1.56 | 1.50 |
| 38 | 13 | 312 | KC1 | C4A-C3A | 2.70 | 1.50 | 1.44 |
| 30 | A | 837 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 30 | 15 | 304 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 37 | 11 | 316 | A86 | C-C1 | 2.70 | 1.56 | 1.50 |
| 30 | A | 835 | CLA | C3D-C4D | -2.70 | 1.38 | 1.44 |
| 37 | 16 | 314 | A86 | C-C1 | 2.70 | 1.56 | 1.50 |
| 30 | 5 | 311 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 30 | A | 807 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 38 | 8 | 313 | KC1 | CHB-C4A | -2.70 | 1.33 | 1.39 |
| 30 | B | 804 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 30 | 8 | 308 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 37 | 7 | 319 | A86 | C24-C1 | 2.70 | 1.51 | 1.46 |
| 30 | B | 833 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 37 | 6 | 320 | A86 | O1-C15 | 2.70 | 1.50 | 1.45 |
| 30 | 15 | 313 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 37 | 8 | 318 | A86 | C-C1 | 2.70 | 1.56 | 1.50 |
| 30 | 1 | 304 | CLA | C4D-CHA | 2.70 | 1.47 | 1.38 |
| 34 | A | 853 | LHG | O7-C5 | -2.69 | 1.40 | 1.46 |
| 37 | 5 | 301 | A86 | C24-C1 | 2.69 | 1.51 | 1.46 |
| 30 | 16 | 309 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 38 | 1 | 306 | KC1 | C3B-C4B | 2.69 | 1.50 | 1.46 |
| 30 | A | 844 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 38 | 6 | 311 | KC1 | CHB-C4A | -2.69 | 1.33 | 1.39 |
| 37 | 10 | 301 | A86 | C24-C1 | 2.69 | 1.51 | 1.46 |
| 30 | 5 | 308 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | 15 | 307 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 39 | 2 | 316 | DD6 | C35-C34 | 2.69 | 1.56 | 1.52 |
| 33 | L | 201 | BCR | C30-C25 | -2.69 | 1.50 | 1.53 |
| 30 | A | 828 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | 7 | 307 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | 9 | 307 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 9 | 310 | KC1 | CHB-C4A | -2.69 | 1.33 | 1.39 |
| 30 | B | 821 | CLA | C3D-C4D | -2.69 | 1.38 | 1.44 |
| 30 | 11 | 308 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | 6 | 316 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 37 | 15 | 323 | A86 | C2-C1 | 2.69 | 1.42 | 1.35 |
| 37 | 7 | 315 | A86 | O-C13 | -2.69 | 1.17 | 1.23 |
| 38 | 16 | 304 | KC1 | C4A-C3A | 2.69 | 1.50 | 1.44 |
| 30 | 6 | 306 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 37 | 5 | 301 | A86 | C-C1 | 2.69 | 1.56 | 1.50 |
| 30 | 9 | 308 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | A | 815 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 30 | 14 | 305 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 37 | 7 | 315 | A86 | C-C1 | 2.69 | 1.56 | 1.50 |
| 30 | B | 812 | CLA | C4D-CHA | 2.69 | 1.47 | 1.38 |
| 38 | 14 | 311 | KC1 | C2A-C1A | 2.69 | 1.53 | 1.44 |
| 37 | 10 | 301 | A86 | O-C13 | -2.68 | 1.17 | 1.23 |
| 37 | 14 | 318 | A86 | C24-C1 | 2.68 | 1.51 | 1.46 |
| 37 | 14 | 319 | A86 | C26-C27 | 2.68 | 1.42 | 1.35 |
| 30 | 16 | 301 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 37 | 9 | 316 | A86 | C-C1 | 2.68 | 1.56 | 1.50 |
| 30 | A | 802 | CLA | OBD-CAD | 2.68 | 1.27 | 1.22 |
| 30 | A | 809 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 38 | 7 | 313 | KC1 | CHB-C4A | -2.68 | 1.33 | 1.39 |
| 30 | 16 | 308 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 30 | B | 835 | CLA | C3D-C4D | -2.68 | 1.38 | 1.44 |
| 37 | 15 | 320 | A86 | C14-C15 | 2.68 | 1.58 | 1.52 |
| 37 | 12 | 316 | A86 | C-C1 | 2.68 | 1.56 | 1.50 |
| 39 | 11 | 313 | DD6 | O1-C20 | 2.68 | 1.49 | 1.46 |
| 38 | 2 | 314 | KC1 | CHB-C4A | -2.68 | 1.33 | 1.39 |
| 30 | B | 820 | CLA | C4B-CHC | 2.68 | 1.48 | 1.41 |
| 30 | B | 837 | CLA | C3D-C4D | -2.68 | 1.38 | 1.44 |
| 30 | 5 | 303 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 29 | A | 801 | CL0 | C3D-C4D | -2.68 | 1.38 | 1.44 |
| 30 | B | 805 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 37 | 10 | 302 | A86 | C-C1 | 2.68 | 1.56 | 1.50 |
| 30 | 16 | 302 | CLA | C4D-CHA | 2.68 | 1.47 | 1.38 |
| 39 | 10 | 314 | DD6 | C35-C34 | 2.67 | 1.56 | 1.52 |
| 37 | 12 | 316 | A86 | C24-C1 | 2.67 | 1.51 | 1.46 |
| 30 | 2 | 305 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 38 | 5 | 310 | KC1 | CHB-C4A | -2.67 | 1.33 | 1.39 |
| 39 | 2 | 316 | DD6 | C26-C27 | -2.67 | 1.31 | 1.37 |
| 30 | B | 818 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 842 | CLA | C3D-C4D | -2.67 | 1.38 | 1.44 |
| 30 | A | 836 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 37 | 11 | 315 | A86 | C-C1 | 2.67 | 1.56 | 1.50 |
| 38 | 16 | 304 | KC1 | CHB-C4A | -2.67 | 1.33 | 1.39 |
| 37 | 11 | 301 | A86 | O-C13 | -2.67 | 1.17 | 1.23 |
| 30 | 3 | 305 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | A | 820 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | 10 | 307 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | 3 | 309 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | 10 | 303 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 39 | 7 | 318 | DD6 | C9-C8 | 2.67 | 1.41 | 1.34 |
| 37 | 7 | 316 | A86 | O-C13 | -2.67 | 1.17 | 1.23 |
| 30 | 15 | 312 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | F | 202 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 39 | 3 | 316 | DD6 | C26-C27 | -2.67 | 1.31 | 1.37 |
| 30 | 10 | 304 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 39 | 3 | 312 | DD6 | O1-C20 | 2.67 | 1.49 | 1.46 |
| 38 | 8 | 307 | KC1 | CHB-C4A | -2.67 | 1.33 | 1.39 |
| 30 | A | 819 | CLA | C4D-CHA | 2.67 | 1.47 | 1.38 |
| 30 | A | 805 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 38 | 9 | 312 | KC1 | CAA-C2A | 2.66 | 1.54 | 1.46 |
| 38 | 13 | 312 | KC1 | CAA-C2A | 2.66 | 1.54 | 1.46 |
| 38 | 6 | 308 | KC1 | C2A-C1A | 2.66 | 1.52 | 1.44 |
| 30 | A | 819 | CLA | C3D-C4D | -2.66 | 1.38 | 1.44 |
| 37 | 2u | 203 | A86 | O-C13 | -2.66 | 1.17 | 1.23 |
| 37 | 5 | 316 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 30 | B | 813 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 37 | 14 | 315 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 30 | A | 807 | CLA | C3D-C4D | -2.66 | 1.38 | 1.44 |
| 30 | A | 831 | CLA | C3D-C4D | -2.66 | 1.38 | 1.44 |
| 30 | A | 829 | CLA | C3D-C4D | -2.66 | 1.38 | 1.44 |
| 30 | 12 | 308 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 38 | 12 | 311 | KC1 | CAA-C2A | 2.66 | 1.54 | 1.46 |
| 30 | 2 | 304 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 37 | 11 | 301 | A86 | C-C1 | 2.66 | 1.56 | 1.50 |
| 30 | 6 | 314 | CLA | C3D-C4D | -2.66 | 1.38 | 1.44 |
| 30 | 12 | 312 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 30 | A | 816 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 30 | 3 | 303 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |
| 37 | 10 | 302 | A86 | C26-C27 | 2.66 | 1.41 | 1.35 |
| 37 | 3 | 315 | A86 | C14-C15 | 2.66 | 1.57 | 1.52 |
| 30 | 6 | 309 | CLA | C4D-CHA | 2.66 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 36 | A | 856 | LMG | O7-C8 | -2.65 | 1.40 | 1.46 |
| 30 | 4 | 311 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | 6 | 307 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 38 | 4 | 307 | KC1 | CHB-C4A | -2.65 | 1.33 | 1.39 |
| 30 | B | 817 | CLA | C3D-C4D | -2.65 | 1.38 | 1.44 |
| 30 | 13 | 303 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | 12 | 306 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 37 | 15 | 320 | A86 | C2-C1 | 2.65 | 1.41 | 1.35 |
| 30 | 15 | 308 | CLA | C4C-C3C | 2.65 | 1.49 | 1.45 |
| 38 | 12 | 309 | KC1 | C2A-C1A | 2.65 | 1.52 | 1.44 |
| 30 | 2 | 310 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 39 | 5 | 313 | DD6 | O1-C20 | 2.65 | 1.49 | 1.46 |
| 30 | A | 817 | CLA | C3D-C4D | -2.65 | 1.38 | 1.44 |
| 30 | 6 | 317 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | 3 | 301 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | 1 | 307 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | F | 202 | CLA | OBD-CAD | 2.65 | 1.27 | 1.22 |
| 30 | A | 813 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | 7 | 311 | CLA | C4D-CHA | 2.65 | 1.47 | 1.38 |
| 30 | B | 808 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 30 | 2 | 308 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 30 | 8 | 305 | CLA | OBD-CAD | 2.64 | 1.27 | 1.22 |
| 30 | F | 203 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 30 | J | 101 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 30 | 4 | 306 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 39 | 2 | 316 | DD6 | C9-C8 | 2.64 | 1.41 | 1.34 |
| 30 | A | 820 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 37 | 11 | 314 | A86 | C26-C27 | 2.64 | 1.41 | 1.35 |
| 30 | 8 | 304 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 38 | 3 | 311 | KC1 | CAA-C2A | 2.64 | 1.54 | 1.46 |
| 37 | 3 | 314 | A86 | C26-C27 | 2.64 | 1.41 | 1.35 |
| 30 | 10 | 309 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 38 | 8 | 314 | KC1 | CHB-C4A | -2.64 | 1.33 | 1.39 |
| 30 | B | 838 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 37 | 10 | 317 | A86 | C-C1 | 2.64 | 1.56 | 1.50 |
| 37 | 14 | 314 | A86 | C26-C27 | 2.64 | 1.41 | 1.35 |
| 37 | 14 | 301 | A86 | C26-C27 | 2.64 | 1.41 | 1.35 |
| 30 | B | 814 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 30 | B | 838 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 30 | 1 | 303 | CLA | C4D-CHA | 2.64 | 1.47 | 1.38 |
| 30 | 8 | 303 | CLA | C3D-C4D | -2.64 | 1.38 | 1.44 |
| 37 | 15 | 315 | A86 | C5-C6 | 2.64 | 1.41 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 13 | 310 | KC1 | C2A-C1A | 2.63 | 1.52 | 1.44 |
| 30 | A | 832 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 37 | 7 | 319 | A86 | O-C13 | -2.63 | 1.17 | 1.23 |
| 30 | A | 832 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 37 | 5 | 315 | A86 | C24-C1 | 2.63 | 1.51 | 1.46 |
| 30 | B | 806 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 37 | 14 | 316 | A86 | C26-C27 | 2.63 | 1.41 | 1.35 |
| 37 | 14 | 319 | A86 | C-C1 | 2.63 | 1.56 | 1.50 |
| 30 | B | 806 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 30 | 9 | 303 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 30 | 7 | 306 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 37 | 8 | 315 | A86 | O-C13 | -2.63 | 1.17 | 1.23 |
| 38 | 12 | 309 | KC1 | CHB-C4A | -2.63 | 1.33 | 1.39 |
| 37 | 14 | 319 | A86 | C2-C1 | 2.63 | 1.41 | 1.35 |
| 30 | 12 | 304 | CLA | C4D-CHA | 2.63 | 1.47 | 1.38 |
| 37 | 15 | 316 | A86 | C2-C1 | 2.63 | 1.41 | 1.35 |
| 30 | 4 | 301 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 30 | 8 | 302 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 30 | 16 | 310 | CLA | O1D-CGD | 2.63 | 1.27 | 1.21 |
| 37 | 5 | 301 | A86 | C26-C27 | 2.63 | 1.41 | 1.35 |
| 33 | F | 204 | BCR | C1-C6 | -2.63 | 1.50 | 1.53 |
| 30 | A | 825 | CLA | C3D-C4D | -2.63 | 1.38 | 1.44 |
| 37 | 5 | 301 | A86 | C19-C18 | 2.63 | 1.56 | 1.52 |
| 33 | B | 844 | BCR | C30-C25 | -2.62 | 1.50 | 1.53 |
| 30 | A | 814 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 37 | 14 | 317 | A86 | C24-C1 | 2.62 | 1.51 | 1.46 |
| 38 | 1 | 306 | KC1 | CHB-C4A | -2.62 | 1.33 | 1.39 |
| 30 | 2 | 309 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | B | 834 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 38 | 14 | 308 | KC1 | C4A-C3A | 2.62 | 1.49 | 1.44 |
| 36 | 6 | 301 | LMG | O7-C8 | -2.62 | 1.40 | 1.46 |
| 30 | 5 | 309 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 37 | 1 | 309 | A86 | C-C1 | 2.62 | 1.56 | 1.50 |
| 30 | A | 810 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | B | 824 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 39 | 10 | 313 | DD6 | C26-C27 | -2.62 | 1.31 | 1.37 |
| 30 | B | 810 | CLA | C3D-C4D | -2.62 | 1.38 | 1.44 |
| 30 | 6 | 305 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | 4 | 311 | CLA | C3D-C4D | -2.62 | 1.38 | 1.44 |
| 30 | 6 | 305 | CLA | C3D-C4D | -2.62 | 1.38 | 1.44 |
| 30 | 7 | 304 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 39 | 6 | 303 | DD6 | C4-C5 | 2.62 | 1.51 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 2 | 307 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 37 | 9 | 313 | A86 | C25-C24 | 2.62 | 1.41 | 1.34 |
| 38 | 1 | 306 | KC1 | C4B-NB | -2.62 | 1.34 | 1.37 |
| 30 | B | 816 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | 4 | 305 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | 10 | 311 | CLA | C4D-CHA | 2.62 | 1.47 | 1.38 |
| 30 | B | 836 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 37 | 8 | 318 | A86 | C14-C15 | 2.61 | 1.57 | 1.52 |
| 30 | 7 | 303 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 30 | 5 | 307 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 30 | 4 | 303 | CLA | C4C-C3C | 2.61 | 1.49 | 1.45 |
| 37 | 14 | 301 | A86 | C24-C1 | 2.61 | 1.51 | 1.46 |
| 30 | B | 832 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 30 | 2 | 311 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 30 | A | 808 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 30 | 5 | 304 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 38 | 8 | 310 | KC1 | CHB-C4A | -2.61 | 1.33 | 1.39 |
| 29 | A | 801 | CL0 | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 37 | 7 | 316 | A86 | C-C1 | 2.61 | 1.56 | 1.50 |
| 30 | 2 | 301 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 38 | 3 | 311 | KC1 | CHB-C4A | -2.61 | 1.33 | 1.39 |
| 36 | F | 205 | LMG | C1-C2 | 2.61 | 1.60 | 1.52 |
| 37 | 15 | 322 | A86 | C2-C1 | 2.61 | 1.41 | 1.35 |
| 30 | B | 831 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 39 | 9 | 314 | DD6 | C26-C27 | -2.61 | 1.31 | 1.37 |
| 38 | 3 | 308 | KC1 | C4A-C3A | 2.61 | 1.49 | 1.44 |
| 37 | 4 | 314 | A86 | C24-C1 | 2.61 | 1.51 | 1.46 |
| 38 | 13 | 308 | KC1 | CHB-C4A | -2.61 | 1.33 | 1.39 |
| 30 | 7 | 304 | CLA | C3D-C4D | -2.61 | 1.38 | 1.44 |
| 37 | 10 | 302 | A86 | C24-C1 | 2.61 | 1.51 | 1.46 |
| 37 | 10 | 316 | A86 | C14-C15 | 2.61 | 1.57 | 1.52 |
| 39 | 7 | 302 | DD6 | C26-C27 | -2.61 | 1.31 | 1.37 |
| 30 | 10 | 308 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 37 | 11 | 301 | A86 | C26-C27 | 2.61 | 1.41 | 1.35 |
| 37 | 12 | 314 | A86 | C24-C1 | 2.61 | 1.51 | 1.46 |
| 30 | B | 835 | CLA | C4D-CHA | 2.61 | 1.47 | 1.38 |
| 38 | 6 | 312 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 38 | 12 | 311 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 30 | B | 825 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 37 | 4 | 314 | A86 | O-C13 | -2.60 | 1.17 | 1.23 |
| 30 | 15 | 314 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 30 | B | 807 | CLA | C3D-C4D | -2.60 | 1.38 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 7 | 308 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 30 | A | 833 | CLA | C3D-C4D | -2.60 | 1.38 | 1.44 |
| 37 | 13 | 315 | A86 | C2-C1 | 2.60 | 1.41 | 1.35 |
| 30 | 15 | 302 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 38 | 8 | 311 | KC1 | CHB-C4A | -2.60 | 1.33 | 1.39 |
| 30 | A | 839 | CLA | OBD-CAD | 2.60 | 1.27 | 1.22 |
| 37 | 14 | 314 | A86 | C24-C1 | 2.60 | 1.51 | 1.46 |
| 30 | 14 | 304 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 30 | 14 | 307 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 37 | 4 | 315 | A86 | C14-C15 | 2.60 | 1.57 | 1.52 |
| 37 | 7 | 315 | A86 | C2-C1 | 2.60 | 1.41 | 1.35 |
| 30 | 8 | 309 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 30 | 13 | 301 | CLA | C4D-CHA | 2.60 | 1.47 | 1.38 |
| 30 | A | 814 | CLA | C1C-NC | -2.60 | 1.33 | 1.37 |
| 39 | 4 | 316 | DD6 | C26-C27 | -2.59 | 1.31 | 1.37 |
| 33 | I | 101 | BCR | C1-C6 | -2.59 | 1.50 | 1.53 |
| 30 | 14 | 302 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 38 | 2 | 306 | KC1 | CHB-C4A | -2.59 | 1.33 | 1.39 |
| 30 | A | 802 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 30 | 16 | 310 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 30 | A | 840 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 37 | 2 | 302 | A86 | C14-C15 | 2.59 | 1.57 | 1.52 |
| 30 | 7 | 310 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | A | 833 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 39 | 4 | 316 | DD6 | O1-C20 | 2.59 | 1.49 | 1.46 |
| 30 | 7 | 309 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | 8 | 304 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | 2u | 202 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 37 | 8 | 315 | A86 | C25-C24 | 2.59 | 1.41 | 1.34 |
| 33 | B | 843 | BCR | C30-C25 | -2.59 | 1.50 | 1.53 |
| 30 | A | 815 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 30 | A | 835 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | 8 | 309 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 38 | 14 | 311 | KC1 | C4A-C3A | 2.59 | 1.49 | 1.44 |
| 37 | 14 | 314 | A86 | C2-C1 | 2.59 | 1.41 | 1.35 |
| 30 | B | 816 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 37 | 5 | 316 | A86 | C26-C27 | 2.59 | 1.41 | 1.35 |
| 30 | 6 | 304 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | A | 821 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 38 | 8 | 312 | KC1 | C2A-C1A | 2.59 | 1.52 | 1.44 |
| 30 | 12 | 307 | CLA | C4D-CHA | 2.59 | 1.47 | 1.38 |
| 30 | 12 | 303 | CLA | OBD-CAD | 2.59 | 1.26 | 1.22 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 836 | CLA | C3D-C4D | -2.59 | 1.38 | 1.44 |
| 30 | 11 | 310 | CLA | C4C-C3C | 2.59 | 1.49 | 1.45 |
| 34 | 2 | 320 | LHG | O7-C5 | -2.58 | 1.40 | 1.46 |
| 37 | 14 | 317 | A86 | C-C1 | 2.58 | 1.56 | 1.50 |
| 30 | A | 808 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 34 | 5 | 317 | LHG | O7-C5 | -2.58 | 1.40 | 1.46 |
| 37 | 6 | 320 | A86 | C-C1 | 2.58 | 1.56 | 1.50 |
| 30 | B | 821 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 30 | 12 | 303 | CLA | C3D-C4D | -2.58 | 1.38 | 1.44 |
| 30 | A | 834 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 39 | 10 | 314 | DD6 | C26-C27 | -2.58 | 1.31 | 1.37 |
| 39 | 2 | 317 | DD6 | C4-C5 | 2.58 | 1.51 | 1.43 |
| 38 | 4 | 310 | KC1 | CAA-C2A | 2.58 | 1.54 | 1.46 |
| 33 | F | 204 | BCR | C30-C25 | -2.58 | 1.50 | 1.53 |
| 39 | 3 | 316 | DD6 | O1-C20 | 2.58 | 1.49 | 1.46 |
| 36 | B | 847 | LMG | O7-C8 | -2.58 | 1.40 | 1.46 |
| 30 | B | 801 | CLA | C3D-C4D | -2.58 | 1.38 | 1.44 |
| 30 | 9 | 309 | CLA | C3D-C4D | -2.58 | 1.38 | 1.44 |
| 30 | 9 | 301 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 30 | 4 | 304 | CLA | C4D-CHA | 2.58 | 1.47 | 1.38 |
| 37 | 11 | 316 | A86 | C24-C1 | 2.58 | 1.51 | 1.46 |
| 37 | 2 | 318 | A86 | C24-C1 | 2.58 | 1.51 | 1.46 |
| 37 | 5 | 315 | A86 | C14-C15 | 2.57 | 1.57 | 1.52 |
| 30 | 16 | 306 | CLA | C3D-C4D | -2.57 | 1.38 | 1.44 |
| 39 | 3 | 313 | DD6 | O1-C20 | 2.57 | 1.49 | 1.46 |
| 30 | 15 | 305 | CLA | C4C-C3C | 2.57 | 1.49 | 1.45 |
| 38 | 16 | 304 | KC1 | C4C-C3C | 2.57 | 1.49 | 1.45 |
| 30 | A | 839 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 39 | 4 | 313 | DD6 | C35-C34 | 2.57 | 1.56 | 1.52 |
| 30 | 16 | 310 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 38 | 14 | 308 | KC1 | C4B-NB | -2.57 | 1.34 | 1.37 |
| 30 | B | 829 | CLA | C3D-C4D | -2.57 | 1.38 | 1.44 |
| 30 | 9 | 302 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 30 | 4 | 303 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 30 | J | 101 | CLA | C3D-C4D | -2.57 | 1.38 | 1.44 |
| 30 | L | 203 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 38 | 3 | 304 | KC1 | CHB-C4A | -2.57 | 1.33 | 1.39 |
| 30 | A | 822 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 30 | A | 843 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 30 | 6 | 307 | CLA | C3D-C4D | -2.57 | 1.38 | 1.44 |
| 37 | 13 | 315 | A86 | C14-C15 | 2.57 | 1.57 | 1.52 |
| 37 | 6 | 320 | A86 | C26-C27 | 2.57 | 1.41 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 13 | 306 | KC1 | CHB-C4A | -2.57 | 1.33 | 1.39 |
| 38 | 11 | 305 | KC1 | CHB-C4A | -2.57 | 1.33 | 1.39 |
| 38 | 2 | 312 | KC1 | CHB-C4A | -2.57 | 1.33 | 1.39 |
| 30 | B | 837 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 30 | 5 | 302 | CLA | C4D-CHA | 2.57 | 1.47 | 1.38 |
| 37 | 14 | 316 | A86 | C24-C1 | 2.57 | 1.51 | 1.46 |
| 30 | 15 | 304 | CLA | C4C-C3C | 2.57 | 1.49 | 1.45 |
| 30 | A | 803 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 38 | 13 | 312 | KC1 | C2A-C1A | 2.56 | 1.52 | 1.44 |
| 37 | 8 | 318 | A86 | C25-C24 | 2.56 | 1.41 | 1.34 |
| 30 | 4 | 301 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 37 | 5 | 301 | A86 | O-C13 | -2.56 | 1.17 | 1.23 |
| 30 | B | 831 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 30 | 7 | 305 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 30 | 11 | 304 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 39 | 3 | 316 | DD6 | C4-C5 | 2.56 | 1.51 | 1.43 |
| 30 | 1 | 302 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 37 | 10 | 317 | A86 | C2-C1 | 2.56 | 1.41 | 1.35 |
| 30 | B | 813 | CLA | C1C-NC | -2.56 | 1.33 | 1.37 |
| 30 | B | 809 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 37 | 5 | 315 | A86 | C26-C27 | 2.56 | 1.41 | 1.35 |
| 37 | 4 | 315 | A86 | C24-C1 | 2.56 | 1.51 | 1.46 |
| 39 | 15 | 319 | DD6 | C4-C5 | 2.56 | 1.51 | 1.43 |
| 30 | A | 839 | CLA | C3D-C4D | -2.56 | 1.38 | 1.44 |
| 30 | A | 823 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 30 | A | 829 | CLA | C4D-CHA | 2.56 | 1.47 | 1.38 |
| 37 | 11 | 314 | A86 | C-C1 | 2.56 | 1.56 | 1.50 |
| 30 | B | 809 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 37 | 9 | 316 | A86 | O-C13 | -2.55 | 1.17 | 1.23 |
| 30 | B | 838 | CLA | C1C-NC | -2.55 | 1.33 | 1.37 |
| 39 | 9 | 314 | DD6 | O1-C20 | 2.55 | 1.49 | 1.46 |
| 37 | 2 | 319 | A86 | C25-C24 | 2.55 | 1.41 | 1.34 |
| 39 | 6 | 321 | DD6 | C9-C8 | 2.55 | 1.41 | 1.34 |
| 30 | B | 832 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 38 | 14 | 306 | KC1 | C4A-C3A | 2.55 | 1.49 | 1.44 |
| 30 | B | 807 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 37 | 7 | 316 | A86 | C14-C15 | 2.55 | 1.57 | 1.52 |
| 37 | 14 | 317 | A86 | O-C13 | -2.55 | 1.17 | 1.23 |
| 30 | A | 810 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 38 | 16 | 311 | KC1 | C4A-C3A | 2.55 | 1.49 | 1.44 |
| 38 | 2 | 314 | KC1 | CAA-C2A | 2.55 | 1.54 | 1.46 |
| 30 | A | 818 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 836 | CLA | OBD-CAD | 2.55 | 1.26 | 1.22 |
| 30 | 3 | 302 | CLA | C3D-C4D | -2.55 | 1.38 | 1.44 |
| 37 | 9 | 315 | A86 | C2-C1 | 2.55 | 1.41 | 1.35 |
| 38 | 11 | 307 | KC1 | C4A-C3A | 2.55 | 1.49 | 1.44 |
| 39 | 3 | 313 | DD6 | C4-C5 | 2.55 | 1.51 | 1.43 |
| 39 | 6 | 319 | DD6 | C4-C5 | 2.55 | 1.51 | 1.43 |
| 30 | B | 827 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 30 | A | 811 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 30 | 16 | 308 | CLA | C4C-C3C | 2.55 | 1.49 | 1.45 |
| 37 | 11 | 301 | A86 | C24-C1 | 2.55 | 1.51 | 1.46 |
| 37 | 11 | 315 | A86 | C24-C1 | 2.55 | 1.51 | 1.46 |
| 37 | 3 | 315 | A86 | O-C13 | -2.55 | 1.17 | 1.23 |
| 38 | 13 | 308 | KC1 | C4A-C3A | 2.55 | 1.49 | 1.44 |
| 38 | 11 | 311 | KC1 | C4A-C3A | 2.55 | 1.49 | 1.44 |
| 39 | 15 | 318 | DD6 | C26-C27 | -2.55 | 1.31 | 1.37 |
| 30 | 9 | 309 | CLA | C4D-CHA | 2.55 | 1.47 | 1.38 |
| 38 | 6 | 312 | KC1 | CAA-C2A | 2.54 | 1.54 | 1.46 |
| 30 | 2u | 202 | CLA | C3D-C4D | -2.54 | 1.38 | 1.44 |
| 38 | 13 | 306 | KC1 | C2A-C1A | 2.54 | 1.52 | 1.44 |
| 38 | 13 | 305 | KC1 | C4B-NB | -2.54 | 1.34 | 1.37 |
| 39 | 13 | 314 | DD6 | C26-C27 | -2.54 | 1.31 | 1.37 |
| 30 | A | 842 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 30 | B | 851 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 38 | 9 | 312 | KC1 | C4C-C3C | 2.54 | 1.49 | 1.45 |
| 30 | B | 829 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 39 | 16 | 313 | DD6 | C4-C5 | 2.54 | 1.51 | 1.43 |
| 38 | 8 | 306 | KC1 | CHB-C4A | -2.54 | 1.33 | 1.39 |
| 30 | 8 | 303 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 30 | A | 812 | CLA | C3D-C4D | -2.54 | 1.38 | 1.44 |
| 30 | A | 830 | CLA | C4D-CHA | 2.54 | 1.47 | 1.38 |
| 38 | 4 | 307 | KC1 | C4A-C3A | 2.54 | 1.49 | 1.44 |
| 37 | 11 | 314 | A86 | C24-C1 | 2.54 | 1.51 | 1.46 |
| 37 | 7 | 315 | A86 | O4-C34 | -2.54 | 1.40 | 1.46 |
| 37 | 11 | 315 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 37 | 15 | 315 | A86 | C-C1 | 2.53 | 1.56 | 1.50 |
| 39 | 1 | 310 | DD6 | O1-C20 | 2.53 | 1.49 | 1.46 |
| 39 | 3 | 312 | DD6 | C26-C27 | -2.53 | 1.31 | 1.37 |
| 30 | 8 | 301 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 34 | A | 852 | LHG | O7-C5 | -2.53 | 1.40 | 1.46 |
| 30 | 12 | 307 | CLA | C3D-C4D | -2.53 | 1.38 | 1.44 |
| 37 | 15 | 321 | A86 | C24-C1 | 2.53 | 1.51 | 1.46 |
| 30 | B | 808 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 813 | CLA | C3D-C4D | -2.53 | 1.38 | 1.44 |
| 39 | 12 | 315 | DD6 | C26-C27 | -2.53 | 1.31 | 1.37 |
| 38 | 12 | 305 | KC1 | CHB-C4A | -2.53 | 1.33 | 1.39 |
| 38 | 12 | 313 | KC1 | C2A-C1A | 2.53 | 1.52 | 1.44 |
| 38 | 13 | 311 | KC1 | C2A-C1A | 2.53 | 1.52 | 1.44 |
| 30 | B | 819 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 38 | 13 | 305 | KC1 | CHB-C4A | -2.53 | 1.33 | 1.39 |
| 39 | 8 | 317 | DD6 | C26-C27 | -2.53 | 1.31 | 1.37 |
| 30 | 6 | 314 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 30 | A | 812 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 30 | 12 | 310 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 37 | 9 | 316 | A86 | C2-C1 | 2.53 | 1.41 | 1.35 |
| 37 | 5 | 315 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 30 | 2 | 301 | CLA | C4D-CHA | 2.53 | 1.47 | 1.38 |
| 37 | 2u | 205 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 37 | 12 | 314 | A86 | O-C13 | -2.53 | 1.18 | 1.23 |
| 38 | 4 | 308 | KC1 | CAA-C2A | 2.53 | 1.54 | 1.46 |
| 38 | 7 | 313 | KC1 | CAA-C2A | 2.53 | 1.54 | 1.46 |
| 38 | 9 | 311 | KC1 | CHB-C4A | -2.53 | 1.33 | 1.39 |
| 39 | 4 | 313 | DD6 | C26-C27 | -2.53 | 1.31 | 1.37 |
| 38 | 6 | 313 | KC1 | CHB-C4A | -2.53 | 1.33 | 1.39 |
| 37 | 2 | 318 | A86 | C-C1 | 2.52 | 1.55 | 1.50 |
| 37 | 15 | 322 | A86 | O-C13 | -2.52 | 1.18 | 1.23 |
| 37 | 3 | 314 | A86 | C2-C1 | 2.52 | 1.41 | 1.35 |
| 33 | J | 102 | BCR | C30-C25 | -2.52 | 1.50 | 1.53 |
| 30 | A | 817 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 30 | B | 815 | CLA | C1C-NC | -2.52 | 1.33 | 1.37 |
| 30 | 16 | 306 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 39 | 5 | 313 | DD6 | C4-C5 | 2.52 | 1.51 | 1.43 |
| 37 | 10 | 302 | A86 | O-C13 | -2.52 | 1.18 | 1.23 |
| 39 | 11 | 313 | DD6 | C4-C5 | 2.52 | 1.51 | 1.43 |
| 30 | B | 820 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 30 | 1 | 305 | CLA | C4C-C3C | 2.52 | 1.49 | 1.45 |
| 38 | 16 | 304 | KC1 | C2A-C1A | 2.52 | 1.52 | 1.44 |
| 30 | A | 823 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 30 | 8 | 302 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 38 | 11 | 311 | KC1 | CHB-C4A | -2.52 | 1.33 | 1.39 |
| 30 | B | 830 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 37 | 7 | 319 | A86 | C2-C1 | 2.52 | 1.41 | 1.35 |
| 30 | A | 804 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 30 | A | 809 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 30 | B | 814 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 8 | 305 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 37 | 2 | 319 | A86 | C14-C15 | 2.52 | 1.57 | 1.52 |
| 37 | 15 | 317 | A86 | C2-C1 | 2.52 | 1.41 | 1.35 |
| 38 | 9 | 304 | KC1 | CHB-C4A | -2.52 | 1.33 | 1.39 |
| 37 | 8 | 315 | A86 | C-C1 | 2.52 | 1.55 | 1.50 |
| 30 | A | 821 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 37 | 4 | 317 | A86 | O-C13 | -2.52 | 1.18 | 1.23 |
| 39 | 10 | 314 | DD6 | C4-C5 | 2.52 | 1.51 | 1.43 |
| 39 | 10 | 314 | DD6 | O1-C20 | 2.52 | 1.49 | 1.46 |
| 39 | 4 | 313 | DD6 | C4-C5 | 2.52 | 1.51 | 1.43 |
| 39 | 6 | 318 | DD6 | C4-C5 | 2.52 | 1.51 | 1.43 |
| 30 | B | 823 | CLA | C3D-C4D | -2.52 | 1.38 | 1.44 |
| 30 | 10 | 305 | CLA | C4D-CHA | 2.52 | 1.47 | 1.38 |
| 38 | 4 | 308 | KC1 | CHB-C4A | -2.52 | 1.33 | 1.39 |
| 37 | 10 | 315 | A86 | C14-C15 | 2.52 | 1.57 | 1.52 |
| 37 | 15 | 321 | A86 | C14-C15 | 2.52 | 1.57 | 1.52 |
| 37 | 14 | 314 | A86 | C-C1 | 2.51 | 1.55 | 1.50 |
| 37 | 6 | 320 | A86 | C24-C1 | 2.51 | 1.51 | 1.46 |
| 37 | 9 | 313 | A86 | C20-C15 | 2.51 | 1.51 | 1.48 |
| 38 | 13 | 310 | KC1 | CHB-C4A | -2.51 | 1.33 | 1.39 |
| 39 | 6 | 319 | DD6 | C26-C27 | -2.51 | 1.31 | 1.37 |
| 37 | 4 | 312 | A86 | C-C1 | 2.51 | 1.55 | 1.50 |
| 39 | 4 | 316 | DD6 | C4-C5 | 2.51 | 1.51 | 1.43 |
| 38 | 9 | 304 | KC1 | C4A-C3A | 2.51 | 1.49 | 1.44 |
| 30 | A | 821 | CLA | C1C-NC | -2.51 | 1.33 | 1.37 |
| 30 | A | 815 | CLA | C1C-NC | -2.51 | 1.33 | 1.37 |
| 37 | 10 | 317 | A86 | O-C13 | -2.51 | 1.18 | 1.23 |
| 30 | 11 | 309 | CLA | C4D-CHA | 2.51 | 1.47 | 1.38 |
| 37 | 16 | 312 | A86 | C26-C27 | 2.51 | 1.41 | 1.35 |
| 39 | 15 | 319 | DD6 | C26-C27 | -2.51 | 1.31 | 1.37 |
| 30 | 3 | 301 | CLA | C3D-C4D | -2.51 | 1.38 | 1.44 |
| 37 | 5 | 316 | A86 | C24-C1 | 2.51 | 1.51 | 1.46 |
| 30 | B | 830 | CLA | C4B-CHC | 2.51 | 1.48 | 1.41 |
| 30 | F | 201 | CLA | C4D-CHA | 2.51 | 1.47 | 1.38 |
| 37 | 4 | 315 | A86 | C26-C27 | 2.51 | 1.41 | 1.35 |
| 30 | A | 804 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 38 | 12 | 309 | KC1 | C4A-C3A | 2.50 | 1.49 | 1.44 |
| 30 | A | 804 | CLA | C1C-NC | -2.50 | 1.34 | 1.37 |
| 37 | 10 | 302 | A86 | C14-C15 | 2.50 | 1.57 | 1.52 |
| 37 | 14 | 320 | A86 | C14-C15 | 2.50 | 1.57 | 1.52 |
| 30 | A | 827 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 37 | 10 | 316 | A86 | O-C13 | -2.50 | 1.18 | 1.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 314 | A86 | O-C13 | -2.50 | 1.18 | 1.23 |
| 30 | L | 203 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 37 | 11 | 314 | A86 | C14-C15 | 2.50 | 1.57 | 1.52 |
| 30 | 11 | 306 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 39 | 16 | 313 | DD6 | C26-C27 | -2.50 | 1.31 | 1.37 |
| 30 | 12 | 302 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 30 | B | 839 | CLA | C4D-CHA | 2.50 | 1.47 | 1.38 |
| 37 | 7 | 316 | A86 | C25-C24 | 2.50 | 1.41 | 1.34 |
| 30 | B | 839 | CLA | C4B-CHC | 2.50 | 1.47 | 1.41 |
| 39 | 10 | 313 | DD6 | C4-C5 | 2.50 | 1.50 | 1.43 |
| 37 | 5 | 316 | A86 | C14-C15 | 2.50 | 1.57 | 1.52 |
| 30 | B | 827 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 30 | B | 851 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 37 | 11 | 314 | A86 | C2-C1 | 2.50 | 1.41 | 1.35 |
| 30 | 11 | 309 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 30 | 8 | 308 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 38 | 11 | 312 | KC1 | C4A-C3A | 2.50 | 1.49 | 1.44 |
| 38 | 5 | 305 | KC1 | CHB-C4A | -2.50 | 1.33 | 1.39 |
| 30 | 6 | 316 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 38 | 4 | 310 | KC1 | C2A-C1A | 2.50 | 1.52 | 1.44 |
| 38 | 7 | 308 | KC1 | C4A-C3A | 2.50 | 1.49 | 1.44 |
| 39 | 12 | 315 | DD6 | O1-C20 | 2.50 | 1.49 | 1.46 |
| 30 | A | 836 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 30 | A | 837 | CLA | C3D-C4D | -2.50 | 1.38 | 1.44 |
| 37 | 1 | 309 | A86 | O-C13 | -2.49 | 1.18 | 1.23 |
| 30 | B | 820 | CLA | C1C-C2C | 2.49 | 1.49 | 1.44 |
| 30 | A | 818 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 38 | 1 | 308 | KC1 | CAA-C2A | 2.49 | 1.53 | 1.46 |
| 30 | B | 818 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 30 | 15 | 302 | CLA | C4B-CHC | 2.49 | 1.47 | 1.41 |
| 38 | 10 | 306 | KC1 | CHB-C4A | -2.49 | 1.33 | 1.39 |
| 30 | 2 | 304 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 37 | 14 | 320 | A86 | C2-C1 | 2.49 | 1.41 | 1.35 |
| 30 | B | 826 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 38 | 13 | 306 | KC1 | C4A-C3A | 2.49 | 1.49 | 1.44 |
| 38 | 3 | 311 | KC1 | C4C-C3C | 2.49 | 1.49 | 1.45 |
| 37 | 12 | 316 | A86 | C14-C15 | 2.49 | 1.57 | 1.52 |
| 38 | 11 | 307 | KC1 | CHB-C4A | -2.49 | 1.33 | 1.39 |
| 38 | 1 | 306 | KC1 | C4A-C3A | 2.49 | 1.49 | 1.44 |
| 30 | B | 805 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 30 | A | 813 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |
| 30 | A | 811 | CLA | C3D-C4D | -2.49 | 1.38 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 2 | 315 | DD6 | O1-C20 | 2.49 | 1.49 | 1.46 |
| 37 | 2 | 319 | A86 | O-C13 | -2.48 | 1.18 | 1.23 |
| 38 | 14 | 308 | KC1 | C2A-C1A | 2.48 | 1.52 | 1.44 |
| 38 | 14 | 308 | KC1 | CHB-C4A | -2.48 | 1.33 | 1.39 |
| 37 | 4 | 317 | A86 | C24-C1 | 2.48 | 1.51 | 1.46 |
| 37 | 2 | 319 | A86 | C-C1 | 2.48 | 1.55 | 1.50 |
| 30 | A | 814 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 30 | 5 | 302 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 37 | 14 | 316 | A86 | O-C13 | -2.48 | 1.18 | 1.23 |
| 30 | 13 | 309 | CLA | C4C-C3C | 2.48 | 1.49 | 1.45 |
| 38 | 13 | 310 | KC1 | C4A-C3A | 2.48 | 1.49 | 1.44 |
| 38 | 8 | 314 | KC1 | C4D-CHA | 2.48 | 1.48 | 1.45 |
| 38 | 5 | 305 | KC1 | CAA-C2A | 2.48 | 1.53 | 1.46 |
| 30 | B | 839 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 39 | 13 | 314 | DD6 | O1-C20 | 2.48 | 1.49 | 1.46 |
| 37 | 14 | 301 | A86 | C14-C15 | 2.48 | 1.57 | 1.52 |
| 30 | 13 | 307 | CLA | C4B-CHC | 2.48 | 1.47 | 1.41 |
| 30 | 16 | 303 | CLA | C4D-CHA | 2.48 | 1.46 | 1.38 |
| 30 | F | 202 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 30 | 10 | 305 | CLA | C3D-C4D | -2.48 | 1.38 | 1.44 |
| 30 | 13 | 303 | CLA | C4C-C3C | 2.47 | 1.49 | 1.45 |
| 38 | 3 | 304 | KC1 | C2A-C1A | 2.47 | 1.52 | 1.44 |
| 30 | A | 819 | CLA | C4B-CHC | 2.47 | 1.47 | 1.41 |
| 37 | 15 | 323 | A86 | O-C13 | -2.47 | 1.18 | 1.23 |
| 37 | 14 | 301 | A86 | C2-C1 | 2.47 | 1.41 | 1.35 |
| 30 | 10 | 308 | CLA | C3D-C4D | -2.47 | 1.38 | 1.44 |
| 39 | 15 | 319 | DD6 | C35-C36 | 2.47 | 1.54 | 1.51 |
| 39 | 2 | 316 | DD6 | C4-C5 | 2.47 | 1.50 | 1.43 |
| 30 | A | 802 | CLA | C4D-CHA | 2.47 | 1.46 | 1.38 |
| 30 | B | 810 | CLA | C4D-CHA | 2.47 | 1.46 | 1.38 |
| 33 | B | 842 | BCR | C30-C25 | -2.47 | 1.50 | 1.53 |
| 30 | 14 | 313 | CLA | C4D-CHA | 2.47 | 1.46 | 1.38 |
| 30 | B | 803 | CLA | C4D-CHA | 2.47 | 1.46 | 1.38 |
| 38 | 3 | 304 | KC1 | CAA-C2A | 2.47 | 1.53 | 1.46 |
| 38 | 13 | 312 | KC1 | CHB-C4A | -2.47 | 1.33 | 1.39 |
| 38 | 8 | 311 | KC1 | CAA-C2A | 2.47 | 1.53 | 1.46 |
| 30 | B | 817 | CLA | C4B-CHC | 2.47 | 1.47 | 1.41 |
| 30 | 2 | 308 | CLA | C3D-C4D | -2.47 | 1.38 | 1.44 |
| 39 | 8 | 316 | DD6 | C15-C14 | 2.47 | 1.54 | 1.50 |
| 37 | 14 | 320 | A86 | O-C13 | -2.47 | 1.18 | 1.23 |
| 37 | 4 | 317 | A86 | C26-C27 | 2.47 | 1.41 | 1.35 |
| 39 | 7 | 302 | DD6 | C4-C5 | 2.47 | 1.50 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 5 | 303 | CLA | C3D-C4D | -2.47 | 1.38 | 1.44 |
| 38 | 12 | 311 | KC1 | C2A-C1A | 2.46 | 1.52 | 1.44 |
| 30 | B | 835 | CLA | OBD-CAD | 2.46 | 1.26 | 1.22 |
| 30 | B | 817 | CLA | C4D-CHA | 2.46 | 1.46 | 1.38 |
| 30 | 7 | 303 | CLA | C4D-CHA | 2.46 | 1.46 | 1.38 |
| 37 | 12 | 316 | A86 | C2-C1 | 2.46 | 1.41 | 1.35 |
| 30 | A | 834 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 30 | 1 | 302 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 38 | 12 | 305 | KC1 | C2A-C1A | 2.46 | 1.52 | 1.44 |
| 39 | 3 | 312 | DD6 | C4-C5 | 2.46 | 1.50 | 1.43 |
| 30 | A | 830 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 30 | 16 | 307 | CLA | C4C-C3C | 2.46 | 1.49 | 1.45 |
| 30 | 14 | 309 | CLA | C4C-C3C | 2.46 | 1.49 | 1.45 |
| 30 | 15 | 309 | CLA | C4C-C3C | 2.46 | 1.49 | 1.45 |
| 30 | A | 826 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 38 | 14 | 306 | KC1 | C4B-NB | -2.46 | 1.34 | 1.37 |
| 30 | 16 | 302 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 37 | 12 | 316 | A86 | O-C13 | -2.46 | 1.18 | 1.23 |
| 37 | 14 | 315 | A86 | O-C13 | -2.46 | 1.18 | 1.23 |
| 39 | 6 | 319 | DD6 | C35-C34 | 2.46 | 1.56 | 1.52 |
| 37 | 11 | 315 | A86 | C26-C27 | 2.46 | 1.41 | 1.35 |
| 30 | B | 812 | CLA | C3D-C4D | -2.46 | 1.38 | 1.44 |
| 36 | B | 849 | LMG | O1-C1 | 2.46 | 1.44 | 1.40 |
| 37 | 5 | 316 | A86 | C2-C1 | 2.46 | 1.41 | 1.35 |
| 30 | 15 | 310 | CLA | C4C-C3C | 2.46 | 1.49 | 1.45 |
| 37 | 10 | 316 | A86 | C24-C1 | 2.46 | 1.51 | 1.46 |
| 30 | B | 826 | CLA | C4D-CHA | 2.46 | 1.46 | 1.38 |
| 38 | 13 | 305 | KC1 | C2A-C1A | 2.46 | 1.52 | 1.44 |
| 30 | 9 | 301 | CLA | C1C-NC | -2.46 | 1.34 | 1.37 |
| 37 | 4 | 314 | A86 | C14-C15 | 2.46 | 1.57 | 1.52 |
| 39 | 15 | 318 | DD6 | C4-C5 | 2.46 | 1.50 | 1.43 |
| 38 | 1 | 306 | KC1 | C4C-C3C | 2.45 | 1.49 | 1.45 |
| 30 | B | 801 | CLA | C1C-NC | -2.45 | 1.34 | 1.37 |
| 30 | A | 816 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 30 | L | 202 | CLA | C4D-CHA | 2.45 | 1.46 | 1.38 |
| 38 | 11 | 307 | KC1 | C4C-C3C | 2.45 | 1.49 | 1.45 |
| 37 | 3 | 314 | A86 | O-C13 | -2.45 | 1.18 | 1.23 |
| 30 | 7 | 310 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 30 | 12 | 310 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 37 | 12 | 314 | A86 | C26-C27 | 2.45 | 1.41 | 1.35 |
| 37 | 14 | 319 | A86 | C24-C1 | 2.45 | 1.51 | 1.46 |
| 38 | 2 | 312 | KC1 | C4A-C3A | 2.45 | 1.49 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 834 | CLA | OBD-CAD | 2.45 | 1.26 | 1.22 |
| 39 | 5 | 314 | DD6 | C35-C34 | 2.45 | 1.56 | 1.52 |
| 38 | 14 | 311 | KC1 | CHB-C4A | -2.45 | 1.33 | 1.39 |
| 30 | B | 808 | CLA | C1C-NC | -2.45 | 1.34 | 1.37 |
| 30 | 1 | 301 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 37 | 2 | 302 | A86 | O-C13 | -2.45 | 1.18 | 1.23 |
| 30 | 4 | 304 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 38 | 5 | 312 | KC1 | CAA-C2A | 2.45 | 1.53 | 1.46 |
| 37 | 5 | 316 | A86 | O-C13 | -2.45 | 1.18 | 1.23 |
| 38 | 11 | 312 | KC1 | CHB-C4A | -2.45 | 1.33 | 1.39 |
| 38 | 4 | 308 | KC1 | C4D-CHA | 2.45 | 1.48 | 1.45 |
| 38 | 8 | 310 | KC1 | CAA-C2A | 2.45 | 1.53 | 1.46 |
| 37 | 2u | 205 | A86 | C14-C15 | 2.45 | 1.57 | 1.52 |
| 30 | B | 820 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 37 | 7 | 319 | A86 | C-C1 | 2.45 | 1.55 | 1.50 |
| 30 | 6 | 304 | CLA | C3D-C4D | -2.45 | 1.38 | 1.44 |
| 38 | 3 | 308 | KC1 | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 37 | 11 | 316 | A86 | C2-C1 | 2.44 | 1.41 | 1.35 |
| 38 | 6 | 312 | KC1 | C4A-C3A | 2.44 | 1.49 | 1.44 |
| 38 | 13 | 311 | KC1 | C4B-NB | -2.44 | 1.34 | 1.37 |
| 37 | 16 | 312 | A86 | O-C13 | -2.44 | 1.18 | 1.23 |
| 39 | 10 | 313 | DD6 | C22-C16 | -2.44 | 1.49 | 1.53 |
| 39 | 7 | 317 | DD6 | C4-C5 | 2.44 | 1.50 | 1.43 |
| 30 | 12 | 307 | CLA | C4B-CHC | 2.44 | 1.47 | 1.41 |
| 37 | 14 | 318 | A86 | O-C13 | -2.44 | 1.18 | 1.23 |
| 37 | 14 | 318 | A86 | C2-C1 | 2.44 | 1.41 | 1.35 |
| 37 | 4 | 314 | A86 | C2-C1 | 2.44 | 1.41 | 1.35 |
| 37 | 10 | 301 | A86 | C14-C15 | 2.44 | 1.57 | 1.52 |
| 38 | 11 | 311 | KC1 | C2A-C1A | 2.44 | 1.52 | 1.44 |
| 39 | 2 | 315 | DD6 | C4-C5 | 2.44 | 1.50 | 1.43 |
| 30 | 16 | 309 | CLA | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 38 | 13 | 305 | KC1 | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 39 | 6 | 319 | DD6 | O1-C20 | 2.44 | 1.49 | 1.46 |
| 39 | 7 | 318 | DD6 | C4-C5 | 2.44 | 1.50 | 1.43 |
| 30 | 6 | 309 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 30 | 16 | 306 | CLA | C4C-C3C | 2.44 | 1.49 | 1.45 |
| 30 | A | 824 | CLA | C4D-CHA | 2.44 | 1.46 | 1.38 |
| 30 | B | 811 | CLA | C4D-CHA | 2.44 | 1.46 | 1.38 |
| 30 | 4 | 306 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 30 | 7 | 311 | CLA | C3D-C4D | -2.44 | 1.38 | 1.44 |
| 37 | 2u | 203 | A86 | C14-C15 | 2.44 | 1.57 | 1.52 |
| 38 | 9 | 312 | KC1 | CHB-C4A | -2.43 | 1.33 | 1.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 311 | CLA | C4B-CHC | 2.43 | 1.47 | 1.41 |
| 37 | 1 | 309 | A86 | C26-C27 | 2.43 | 1.41 | 1.35 |
| 30 | 3 | 302 | CLA | OBD-CAD | 2.43 | 1.26 | 1.22 |
| 30 | 2 | 308 | CLA | C4B-CHC | 2.43 | 1.47 | 1.41 |
| 30 | B | 801 | CLA | C4D-CHA | 2.43 | 1.46 | 1.38 |
| 30 | 10 | 304 | CLA | C3D-C4D | -2.43 | 1.38 | 1.44 |
| 30 | B | 802 | CLA | C4D-CHA | 2.43 | 1.46 | 1.38 |
| 30 | A | 831 | CLA | C1C-NC | -2.43 | 1.34 | 1.37 |
| 30 | 4 | 303 | CLA | C3D-C4D | -2.43 | 1.38 | 1.44 |
| 39 | 9 | 314 | DD6 | C4-C5 | 2.43 | 1.50 | 1.43 |
| 30 | 9 | 303 | CLA | C3D-C4D | -2.43 | 1.38 | 1.44 |
| 38 | 7 | 308 | KC1 | C2A-C1A | 2.43 | 1.52 | 1.44 |
| 38 | 13 | 308 | KC1 | C2A-C1A | 2.43 | 1.52 | 1.44 |
| 38 | 5 | 305 | KC1 | C4A-C3A | 2.43 | 1.49 | 1.44 |
| 37 | 16 | 314 | A86 | C24-C1 | 2.43 | 1.51 | 1.46 |
| 30 | B | 825 | CLA | C4B-CHC | 2.43 | 1.47 | 1.41 |
| 37 | 2u | 203 | A86 | O4-C34 | -2.43 | 1.40 | 1.46 |
| 36 | 14 | 321 | LMG | C4-C3 | 2.43 | 1.58 | 1.52 |
| 30 | A | 841 | CLA | C3D-C4D | -2.43 | 1.38 | 1.44 |
| 37 | 11 | 316 | A86 | O-C13 | -2.42 | 1.18 | 1.23 |
| 37 | 11 | 314 | A86 | O-C13 | -2.42 | 1.18 | 1.23 |
| 30 | 15 | 303 | CLA | C4B-CHC | 2.42 | 1.47 | 1.41 |
| 30 | 7 | 312 | CLA | C4C-C3C | 2.42 | 1.49 | 1.45 |
| 37 | 15 | 320 | A86 | O-C13 | -2.42 | 1.18 | 1.23 |
| 30 | 10 | 309 | CLA | C4C-C3C | 2.42 | 1.49 | 1.45 |
| 37 | 14 | 320 | A86 | C5-C6 | 2.42 | 1.41 | 1.35 |
| 30 | A | 843 | CLA | C3D-C4D | -2.42 | 1.38 | 1.44 |
| 30 | 11 | 306 | CLA | C4B-CHC | 2.42 | 1.47 | 1.41 |
| 30 | 3 | 306 | CLA | C4B-CHC | 2.42 | 1.47 | 1.41 |
| 37 | 14 | 318 | A86 | C14-C15 | 2.42 | 1.57 | 1.52 |
| 38 | 2 | 312 | KC1 | C2A-C1A | 2.42 | 1.52 | 1.44 |
| 30 | A | 806 | CLA | C1C-NC | -2.42 | 1.34 | 1.37 |
| 37 | 16 | 314 | A86 | C26-C27 | 2.42 | 1.41 | 1.35 |
| 30 | A | 844 | CLA | C3D-C4D | -2.42 | 1.38 | 1.44 |
| 37 | 10 | 315 | A86 | O-C13 | -2.42 | 1.18 | 1.23 |
| 30 | 15 | 306 | CLA | C4C-C3C | 2.42 | 1.49 | 1.45 |
| 30 | A | 842 | CLA | C4B-CHC | 2.42 | 1.47 | 1.41 |
| 38 | 2 | 306 | KC1 | C4A-C3A | 2.42 | 1.49 | 1.44 |
| 37 | 5 | 301 | A86 | C14-C15 | 2.41 | 1.57 | 1.52 |
| 37 | 13 | 313 | A86 | C5-C6 | 2.41 | 1.41 | 1.35 |
| 37 | 15 | 320 | A86 | C5-C6 | 2.41 | 1.41 | 1.35 |
| 30 | 2 | 313 | CLA | C4B-CHC | 2.41 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 15 | 321 | A86 | C2-C1 | 2.41 | 1.41 | 1.35 |
| 37 | 2 | 302 | A86 | C2-C1 | 2.41 | 1.41 | 1.35 |
| 30 | A | 805 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 38 | 5 | 310 | KC1 | C4A-C3A | 2.41 | 1.49 | 1.44 |
| 38 | 4 | 307 | KC1 | C2A-C1A | 2.41 | 1.52 | 1.44 |
| 30 | 15 | 311 | CLA | C4C-C3C | 2.41 | 1.49 | 1.45 |
| 30 | 1 | 304 | CLA | C4B-CHC | 2.41 | 1.47 | 1.41 |
| 39 | 6 | 321 | DD6 | C35-C36 | 2.41 | 1.54 | 1.51 |
| 37 | 5 | 301 | A86 | C2-C1 | 2.41 | 1.41 | 1.35 |
| 36 | 8 | 321 | LMG | C3-C2 | 2.41 | 1.58 | 1.52 |
| 30 | F | 203 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 38 | 8 | 310 | KC1 | C2A-C1A | 2.41 | 1.52 | 1.44 |
| 30 | A | 838 | CLA | OBD-CAD | 2.41 | 1.26 | 1.22 |
| 30 | 7 | 309 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 37 | 14 | 319 | A86 | O-C13 | -2.41 | 1.18 | 1.23 |
| 30 | 3 | 306 | CLA | C3D-C4D | -2.41 | 1.38 | 1.44 |
| 38 | 10 | 310 | KC1 | C4A-C3A | 2.41 | 1.49 | 1.44 |
| 30 | 9 | 306 | CLA | C4C-C3C | 2.41 | 1.49 | 1.45 |
| 38 | 12 | 311 | KC1 | C3B-C4B | 2.41 | 1.50 | 1.46 |
| 30 | F | 201 | CLA | C1C-NC | -2.41 | 1.34 | 1.37 |
| 30 | 9 | 305 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 37 | 13 | 313 | A86 | O-C13 | -2.40 | 1.18 | 1.23 |
| 30 | A | 807 | CLA | C1C-NC | -2.40 | 1.34 | 1.37 |
| 30 | 15 | 313 | CLA | C4C-C3C | 2.40 | 1.49 | 1.45 |
| 30 | 12 | 306 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 38 | 3 | 304 | KC1 | C4A-C3A | 2.40 | 1.49 | 1.44 |
| 30 | 3 | 309 | CLA | C4B-CHC | 2.40 | 1.47 | 1.41 |
| 38 | 10 | 310 | KC1 | C4C-C3C | 2.40 | 1.49 | 1.45 |
| 38 | 11 | 305 | KC1 | C4A-C3A | 2.40 | 1.49 | 1.44 |
| 38 | 6 | 313 | KC1 | C4A-C3A | 2.40 | 1.49 | 1.44 |
| 30 | F | 201 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 30 | 11 | 306 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 30 | B | 833 | CLA | C4B-CHC | 2.40 | 1.47 | 1.41 |
| 30 | 14 | 302 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 38 | 11 | 307 | KC1 | C2A-C1A | 2.40 | 1.52 | 1.44 |
| 30 | 15 | 313 | CLA | C4B-CHC | 2.40 | 1.47 | 1.41 |
| 38 | 6 | 312 | KC1 | C2A-C1A | 2.40 | 1.52 | 1.44 |
| 30 | 12 | 302 | CLA | C3D-C4D | -2.40 | 1.38 | 1.44 |
| 30 | B | 810 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 30 | 14 | 304 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 38 | 10 | 310 | KC1 | C2A-C1A | 2.39 | 1.52 | 1.44 |
| 30 | 7 | 306 | CLA | C1C-NC | -2.39 | 1.34 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 5 | 306 | KC1 | CAA-C2A | 2.39 | 1.53 | 1.46 |
| 30 | B | 819 | CLA | C1C-NC | -2.39 | 1.34 | 1.37 |
| 30 | 16 | 301 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 37 | 4 | 312 | A86 | O-C13 | -2.39 | 1.18 | 1.23 |
| 30 | 5 | 307 | CLA | C1B-CHB | 2.39 | 1.47 | 1.41 |
| 38 | 5 | 306 | KC1 | C4C-C3C | 2.39 | 1.49 | 1.45 |
| 36 | 2u | 204 | LMG | C4-C3 | 2.39 | 1.58 | 1.52 |
| 37 | 3 | 314 | A86 | C14-C15 | 2.39 | 1.57 | 1.52 |
| 37 | 14 | 301 | A86 | O-C13 | -2.39 | 1.18 | 1.23 |
| 38 | 3 | 311 | KC1 | C2A-C1A | 2.39 | 1.52 | 1.44 |
| 30 | A | 830 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 39 | 5 | 314 | DD6 | C22-C16 | -2.39 | 1.49 | 1.53 |
| 37 | 11 | 315 | A86 | C14-C15 | 2.39 | 1.57 | 1.52 |
| 38 | 13 | 305 | KC1 | C3B-C4B | 2.39 | 1.50 | 1.46 |
| 38 | 5 | 310 | KC1 | C2A-C1A | 2.39 | 1.52 | 1.44 |
| 30 | 15 | 308 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 38 | 12 | 311 | KC1 | C4C-C3C | 2.39 | 1.49 | 1.45 |
| 30 | A | 818 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 30 | 11 | 304 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 30 | 14 | 307 | CLA | C4B-CHC | 2.39 | 1.47 | 1.41 |
| 39 | 5 | 314 | DD6 | O1-C20 | 2.39 | 1.49 | 1.46 |
| 30 | B | 830 | CLA | C4D-CHA | 2.39 | 1.46 | 1.38 |
| 37 | 15 | 317 | A86 | C14-C15 | 2.39 | 1.57 | 1.52 |
| 39 | 7 | 314 | DD6 | C4-C5 | 2.39 | 1.50 | 1.43 |
| 30 | A | 805 | CLA | C4B-CHC | 2.38 | 1.47 | 1.41 |
| 38 | 11 | 312 | KC1 | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 30 | 14 | 302 | CLA | C4B-CHC | 2.38 | 1.47 | 1.41 |
| 38 | 5 | 305 | KC1 | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 38 | 2 | 314 | KC1 | C4A-C3A | 2.38 | 1.49 | 1.44 |
| 30 | B | 839 | CLA | C1C-C2C | 2.38 | 1.49 | 1.44 |
| 38 | 8 | 306 | KC1 | C2A-C1A | 2.38 | 1.52 | 1.44 |
| 30 | 14 | 312 | CLA | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 30 | 16 | 306 | CLA | C4B-CHC | 2.38 | 1.47 | 1.41 |
| 37 | 14 | 315 | A86 | C14-C15 | 2.38 | 1.57 | 1.52 |
| 38 | 13 | 305 | KC1 | C4D-ND | 2.38 | 1.39 | 1.35 |
| 38 | 10 | 306 | KC1 | CAA-C2A | 2.38 | 1.53 | 1.46 |
| 30 | 8 | 301 | CLA | C3D-C4D | -2.38 | 1.38 | 1.44 |
| 30 | 13 | 304 | CLA | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 30 | 13 | 307 | CLA | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 38 | 12 | 313 | KC1 | CBD-CAD | -2.38 | 1.45 | 1.56 |
| 38 | 3 | 308 | KC1 | CHB-C4A | -2.38 | 1.33 | 1.39 |
| 37 | 11 | 316 | A86 | C14-C15 | 2.38 | 1.57 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 820 | CLA | C4C-C3C | 2.38 | 1.49 | 1.45 |
| 39 | 12 | 317 | DD6 | C4-C5 | 2.38 | 1.50 | 1.43 |
| 37 | 2u | 203 | A86 | C-C1 | 2.38 | 1.55 | 1.50 |
| 37 | 12 | 314 | A86 | C2-C1 | 2.38 | 1.41 | 1.35 |
| 33 | L | 205 | BCR | C30-C25 | -2.38 | 1.50 | 1.53 |
| 38 | 8 | 310 | KC1 | C4A-C3A | 2.38 | 1.49 | 1.44 |
| 38 | 3 | 308 | KC1 | C2A-C1A | 2.38 | 1.52 | 1.44 |
| 38 | 10 | 310 | KC1 | C3B-C4B | 2.37 | 1.50 | 1.46 |
| 30 | 7 | 306 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 30 | 15 | 302 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 38 | 12 | 305 | KC1 | C4A-C3A | 2.37 | 1.49 | 1.44 |
| 39 | 6 | 319 | DD6 | C22-C16 | -2.37 | 1.49 | 1.53 |
| 30 | B | 810 | CLA | C1C-C2C | 2.37 | 1.49 | 1.44 |
| 30 | 6 | 306 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 37 | 15 | 316 | A86 | O-C13 | -2.37 | 1.18 | 1.23 |
| 38 | 11 | 305 | KC1 | C4C-C3C | 2.37 | 1.49 | 1.45 |
| 38 | 6 | 311 | KC1 | C2A-C1A | 2.37 | 1.51 | 1.44 |
| 30 | 7 | 312 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 30 | B | 814 | CLA | C1C-NC | -2.37 | 1.34 | 1.37 |
| 37 | 10 | 302 | A86 | O4-C34 | -2.37 | 1.41 | 1.46 |
| 37 | 9 | 313 | A86 | C-C1 | 2.37 | 1.55 | 1.50 |
| 30 | 16 | 303 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 39 | 7 | 302 | DD6 | C22-C16 | -2.37 | 1.49 | 1.53 |
| 30 | A | 844 | CLA | C4B-CHC | 2.37 | 1.47 | 1.41 |
| 36 | 8 | 320 | LMG | O7-C8 | -2.37 | 1.41 | 1.46 |
| 30 | 16 | 308 | CLA | C4B-CHC | 2.37 | 1.47 | 1.41 |
| 30 | 5 | 308 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 30 | 12 | 304 | CLA | C3D-C4D | -2.37 | 1.38 | 1.44 |
| 38 | 5 | 312 | KC1 | C2A-C1A | 2.37 | 1.51 | 1.44 |
| 30 | F | 201 | CLA | C4B-CHC | 2.37 | 1.47 | 1.41 |
| 39 | 12 | 315 | DD6 | C4-C5 | 2.37 | 1.50 | 1.43 |
| 39 | 3 | 316 | DD6 | C35-C36 | 2.37 | 1.54 | 1.51 |
| 30 | B | 828 | CLA | C4D-CHA | 2.37 | 1.46 | 1.38 |
| 37 | 4 | 317 | A86 | C2-C1 | 2.37 | 1.41 | 1.35 |
| 30 | 16 | 307 | CLA | C4B-CHC | 2.37 | 1.47 | 1.41 |
| 38 | 5 | 305 | KC1 | C2A-C1A | 2.36 | 1.51 | 1.44 |
| 30 | 11 | 304 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 38 | 4 | 310 | KC1 | C4D-CHA | 2.36 | 1.48 | 1.45 |
| 38 | 2 | 312 | KC1 | CAA-C2A | 2.36 | 1.53 | 1.46 |
| 38 | 13 | 306 | KC1 | C3B-C4B | 2.36 | 1.50 | 1.46 |
| 30 | 1 | 303 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 30 | 1 | 307 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 843 | CLA | C1B-CHB | 2.36 | 1.47 | 1.41 |
| 30 | 8 | 304 | CLA | C1C-NC | -2.36 | 1.34 | 1.37 |
| 30 | 3 | 310 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 37 | 16 | 312 | A86 | C24-C1 | 2.36 | 1.51 | 1.46 |
| 37 | 2u | 203 | A86 | C24-C1 | 2.36 | 1.51 | 1.46 |
| 30 | 2 | 310 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 30 | B | 837 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 30 | 7 | 307 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 30 | B | 834 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 36 | 8 | 320 | LMG | O8-C9 | -2.36 | 1.39 | 1.45 |
| 30 | 2 | 307 | CLA | C3D-C4D | -2.36 | 1.38 | 1.44 |
| 30 | 2 | 313 | CLA | C4C-C3C | 2.36 | 1.49 | 1.45 |
| 30 | F | 202 | CLA | C1B-CHB | 2.36 | 1.47 | 1.41 |
| 30 | 8 | 308 | CLA | C4B-CHC | 2.36 | 1.47 | 1.41 |
| 30 | 5 | 304 | CLA | C1A-CHA | 2.36 | 1.52 | 1.43 |
| 37 | 14 | 317 | A86 | C2-C1 | 2.36 | 1.41 | 1.35 |
| 30 | A | 827 | CLA | C4B-CHC | 2.35 | 1.47 | 1.41 |
| 37 | 2u | 203 | A86 | C26-C27 | 2.35 | 1.41 | 1.35 |
| 33 | M | 101 | BCR | C30-C25 | -2.35 | 1.50 | 1.53 |
| 38 | 13 | 312 | KC1 | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 38 | 9 | 311 | KC1 | C4A-C3A | 2.35 | 1.49 | 1.44 |
| 30 | 9 | 302 | CLA | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 37 | 14 | 314 | A86 | C14-C15 | 2.35 | 1.57 | 1.52 |
| 30 | 15 | 314 | CLA | C4C-C3C | 2.35 | 1.49 | 1.45 |
| 39 | 4 | 316 | DD6 | C22-C16 | -2.35 | 1.49 | 1.53 |
| 39 | 15 | 318 | DD6 | C22-C16 | -2.35 | 1.49 | 1.53 |
| 38 | 14 | 306 | KC1 | CAA-C2A | 2.35 | 1.53 | 1.46 |
| 30 | A | 806 | CLA | C4D-CHA | 2.35 | 1.46 | 1.38 |
| 30 | 8 | 305 | CLA | C1C-NC | -2.35 | 1.34 | 1.37 |
| 39 | 6 | 321 | DD6 | O1-C20 | 2.35 | 1.49 | 1.46 |
| 30 | A | 803 | CLA | C1C-NC | -2.35 | 1.34 | 1.37 |
| 30 | 15 | 307 | CLA | C4B-CHC | 2.35 | 1.47 | 1.41 |
| 30 | 2 | 309 | CLA | C3D-C4D | -2.34 | 1.38 | 1.44 |
| 36 | B | 849 | LMG | C7-C8 | 2.34 | 1.58 | 1.50 |
| 30 | J | 101 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 30 | 9 | 308 | CLA | C3D-C4D | -2.34 | 1.38 | 1.44 |
| 30 | B | 836 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 39 | 11 | 313 | DD6 | C35-C36 | 2.34 | 1.54 | 1.51 |
| 38 | 13 | 308 | KC1 | C4C-C3C | 2.34 | 1.49 | 1.45 |
| 39 | 7 | 302 | DD6 | O1-C20 | 2.34 | 1.49 | 1.46 |
| 30 | 14 | 304 | CLA | C4C-C3C | 2.34 | 1.49 | 1.45 |
| 38 | 8 | 314 | KC1 | C4A-C3A | 2.34 | 1.49 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 14 | 306 | KC1 | C2A-C1A | 2.34 | 1.51 | 1.44 |
| 30 | 15 | 312 | CLA | C3D-C4D | -2.34 | 1.38 | 1.44 |
| 38 | 13 | 306 | KC1 | C4D-CHA | 2.34 | 1.48 | 1.45 |
| 38 | 10 | 306 | KC1 | C2A-C1A | 2.34 | 1.51 | 1.44 |
| 30 | 14 | 310 | CLA | C4C-C3C | 2.34 | 1.49 | 1.45 |
| 37 | 4 | 314 | A86 | C-C1 | 2.34 | 1.55 | 1.50 |
| 30 | A | 844 | CLA | C4C-C3C | 2.34 | 1.49 | 1.45 |
| 38 | 13 | 305 | KC1 | C4D-CHA | 2.34 | 1.48 | 1.45 |
| 37 | 14 | 315 | A86 | C2-C1 | 2.34 | 1.41 | 1.35 |
| 30 | 7 | 303 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 30 | 13 | 301 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 37 | 2 | 302 | A86 | C5-C6 | 2.34 | 1.41 | 1.35 |
| 37 | 3 | 315 | A86 | C2-C1 | 2.34 | 1.41 | 1.35 |
| 30 | B | 822 | CLA | C4D-CHA | 2.34 | 1.46 | 1.38 |
| 30 | 2 | 311 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 30 | 11 | 310 | CLA | C4B-CHC | 2.34 | 1.47 | 1.41 |
| 38 | 8 | 311 | KC1 | C2A-C1A | 2.34 | 1.51 | 1.44 |
| 37 | 7 | 315 | A86 | C14-C15 | 2.34 | 1.57 | 1.52 |
| 30 | 8 | 301 | CLA | C1C-C2C | 2.34 | 1.49 | 1.44 |
| 37 | 11 | 301 | A86 | C2-C1 | 2.34 | 1.41 | 1.35 |
| 38 | 13 | 306 | KC1 | CAA-C2A | 2.33 | 1.53 | 1.46 |
| 30 | 6 | 316 | CLA | C4C-C3C | 2.33 | 1.49 | 1.45 |
| 30 | 2 | 303 | CLA | C4D-CHA | 2.33 | 1.46 | 1.38 |
| 30 | 2 | 303 | CLA | C3D-CAD | 2.33 | 1.53 | 1.45 |
| 30 | A | 824 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 29 | A | 801 | CL0 | C1B-CHB | 2.33 | 1.47 | 1.41 |
| 38 | 10 | 312 | KC1 | C4A-C3A | 2.33 | 1.49 | 1.44 |
| 30 | 4 | 309 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 39 | 10 | 313 | DD6 | O1-C20 | 2.33 | 1.49 | 1.46 |
| 38 | 5 | 312 | KC1 | C4A-C3A | 2.33 | 1.49 | 1.44 |
| 30 | 5 | 309 | CLA | C4C-C3C | 2.33 | 1.49 | 1.45 |
| 30 | 10 | 309 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 39 | 12 | 317 | DD6 | O1-C20 | 2.33 | 1.49 | 1.46 |
| 37 | 14 | 314 | A86 | C5-C6 | 2.33 | 1.41 | 1.35 |
| 30 | 13 | 301 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 30 | 4 | 305 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 30 | 1 | 305 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 30 | 14 | 313 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 30 | B | 802 | CLA | C3D-C4D | -2.33 | 1.38 | 1.44 |
| 38 | 8 | 312 | KC1 | CAA-C2A | 2.33 | 1.53 | 1.46 |
| 38 | 13 | 311 | KC1 | CHB-C4A | -2.33 | 1.33 | 1.39 |
| 30 | 6 | 317 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 13 | 301 | CLA | C1C-C2C | 2.33 | 1.49 | 1.44 |
| 30 | 12 | 308 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 37 | 14 | 316 | A86 | C2-C1 | 2.33 | 1.41 | 1.35 |
| 30 | 5 | 309 | CLA | C3D-C4D | -2.33 | 1.39 | 1.44 |
| 37 | 11 | 301 | A86 | O4-C34 | -2.33 | 1.41 | 1.46 |
| 30 | 6 | 315 | CLA | C4B-CHC | 2.33 | 1.47 | 1.41 |
| 30 | 14 | 303 | CLA | C4C-C3C | 2.33 | 1.49 | 1.45 |
| 30 | 5 | 311 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | B | 815 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | 14 | 312 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | 10 | 303 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | 1 | 304 | CLA | C1C-C2C | 2.32 | 1.49 | 1.44 |
| 37 | 1 | 309 | A86 | C24-C1 | 2.32 | 1.50 | 1.46 |
| 30 | 12 | 312 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | F | 203 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 30 | 11 | 306 | CLA | C1C-C2C | 2.32 | 1.49 | 1.44 |
| 30 | 7 | 311 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 37 | 11 | 301 | A86 | C14-C15 | 2.32 | 1.57 | 1.52 |
| 30 | L | 202 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 38 | 1 | 306 | KC1 | CAA-C2A | 2.32 | 1.53 | 1.46 |
| 39 | 8 | 316 | DD6 | C22-C16 | -2.32 | 1.49 | 1.53 |
| 30 | 11 | 308 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 37 | 15 | 321 | A86 | O-C13 | -2.32 | 1.18 | 1.23 |
| 38 | 9 | 312 | KC1 | C2A-C1A | 2.32 | 1.51 | 1.44 |
| 30 | 15 | 302 | CLA | C1C-C2C | 2.32 | 1.49 | 1.44 |
| 30 | 2 | 305 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | 12 | 321 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 37 | 2 | 318 | A86 | C2-C1 | 2.32 | 1.41 | 1.35 |
| 38 | 10 | 306 | KC1 | C4A-C3A | 2.32 | 1.49 | 1.44 |
| 30 | 10 | 309 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 30 | 4 | 302 | CLA | C3D-C4D | -2.32 | 1.39 | 1.44 |
| 30 | 14 | 313 | CLA | C4B-CHC | 2.32 | 1.47 | 1.41 |
| 39 | 8 | 316 | DD6 | C4-C5 | 2.32 | 1.50 | 1.43 |
| 36 | 7 | 320 | LMG | O1-C7 | -2.32 | 1.39 | 1.43 |
| 30 | 9 | 302 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |
| 30 | 14 | 313 | CLA | C1B-CHB | 2.31 | 1.47 | 1.41 |
| 30 | 9 | 308 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 14 | 303 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 37 | 11 | 315 | A86 | C2-C1 | 2.31 | 1.41 | 1.35 |
| 38 | 13 | 310 | KC1 | C1C-C2C | 2.31 | 1.49 | 1.44 |
| 37 | 4 | 312 | A86 | C14-C15 | 2.31 | 1.57 | 1.52 |
| 30 | 11 | 310 | CLA | C3D-C4D | -2.31 | 1.39 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 2 | 306 | KC1 | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 38 | 4 | 307 | KC1 | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 38 | 13 | 312 | KC1 | C4D-ND | 2.31 | 1.39 | 1.35 |
| 30 | A | 830 | CLA | C1C-C2C | 2.31 | 1.49 | 1.44 |
| 30 | A | 837 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 16 | 303 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 37 | 8 | 315 | A86 | O4-C34 | -2.31 | 1.41 | 1.46 |
| 30 | 14 | 309 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 13 | 302 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 14 | 310 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 39 | 3 | 313 | DD6 | C22-C16 | -2.31 | 1.49 | 1.53 |
| 30 | 8 | 309 | CLA | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 38 | 5 | 310 | KC1 | C3B-C4B | 2.31 | 1.50 | 1.46 |
| 37 | 14 | 317 | A86 | C14-C15 | 2.31 | 1.57 | 1.52 |
| 30 | 8 | 301 | CLA | C1C-NC | -2.31 | 1.34 | 1.37 |
| 30 | 9 | 302 | CLA | C1C-NC | -2.31 | 1.34 | 1.37 |
| 30 | 15 | 305 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 15 | 309 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 30 | 12 | 321 | CLA | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 38 | 2 | 312 | KC1 | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 30 | 13 | 303 | CLA | C4B-CHC | 2.31 | 1.47 | 1.41 |
| 38 | 6 | 311 | KC1 | C4A-C3A | 2.31 | 1.49 | 1.44 |
| 37 | 12 | 314 | A86 | C14-C15 | 2.31 | 1.57 | 1.52 |
| 30 | 15 | 307 | CLA | C4C-C3C | 2.31 | 1.49 | 1.45 |
| 30 | 15 | 308 | CLA | C1C-C2C | 2.30 | 1.49 | 1.44 |
| 30 | B | 831 | CLA | C1C-NC | -2.30 | 1.34 | 1.37 |
| 37 | 15 | 317 | A86 | O-C13 | -2.30 | 1.18 | 1.23 |
| 38 | 8 | 311 | KC1 | C4A-C3A | 2.30 | 1.49 | 1.44 |
| 38 | 16 | 311 | KC1 | C1C-C2C | 2.30 | 1.49 | 1.44 |
| 37 | 15 | 323 | A86 | C14-C15 | 2.30 | 1.57 | 1.52 |
| 30 | 10 | 308 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 30 | 13 | 309 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 30 | 4 | 305 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 36 | 7 | 320 | LMG | C4-C5 | 2.30 | 1.57 | 1.53 |
| 39 | 8 | 317 | DD6 | C4-C5 | 2.30 | 1.50 | 1.43 |
| 30 | B | 830 | CLA | C4C-C3C | 2.30 | 1.48 | 1.45 |
| 30 | 1 | 303 | CLA | C3D-C4D | -2.30 | 1.39 | 1.44 |
| 30 | 1 | 302 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 30 | 16 | 301 | CLA | C1C-C2C | 2.30 | 1.49 | 1.44 |
| 30 | 14 | 312 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 37 | 13 | 313 | A86 | C14-C15 | 2.30 | 1.57 | 1.52 |
| 38 | 2 | 314 | KC1 | C2A-C1A | 2.30 | 1.51 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 4 | 307 | KC1 | C4D-ND | 2.30 | 1.39 | 1.35 |
| 30 | 7 | 310 | CLA | C1C-C2C | 2.30 | 1.49 | 1.44 |
| 37 | 15 | 321 | A86 | O4-C34 | -2.30 | 1.41 | 1.46 |
| 30 | 13 | 302 | CLA | C1B-CHB | 2.30 | 1.47 | 1.41 |
| 30 | 9 | 301 | CLA | C4C-C3C | 2.30 | 1.48 | 1.45 |
| 30 | 7 | 307 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 37 | 14 | 315 | A86 | O4-C34 | -2.30 | 1.41 | 1.46 |
| 30 | B | 812 | CLA | C4C-C3C | 2.30 | 1.48 | 1.45 |
| 38 | 13 | 306 | KC1 | C4C-C3C | 2.30 | 1.48 | 1.45 |
| 30 | 10 | 311 | CLA | C4B-CHC | 2.30 | 1.47 | 1.41 |
| 30 | B | 833 | CLA | C3D-C4D | -2.30 | 1.39 | 1.44 |
| 30 | 12 | 302 | CLA | C1C-NC | -2.30 | 1.34 | 1.37 |
| 37 | 2u | 205 | A86 | C2-C1 | 2.30 | 1.41 | 1.35 |
| 30 | 1 | 301 | CLA | C4C-C3C | 2.30 | 1.48 | 1.45 |
| 38 | 8 | 313 | KC1 | C4A-C3A | 2.30 | 1.49 | 1.44 |
| 36 | 2u | 204 | LMG | O7-C8 | -2.30 | 1.41 | 1.46 |
| 33 | A | 848 | BCR | C30-C25 | -2.30 | 1.50 | 1.53 |
| 37 | 16 | 312 | A86 | C-C1 | 2.30 | 1.55 | 1.50 |
| 30 | A | 839 | CLA | CBD-CAD | -2.30 | 1.46 | 1.56 |
| 37 | 14 | 315 | A86 | C26-C27 | 2.29 | 1.41 | 1.35 |
| 30 | 15 | 304 | CLA | C3D-C4D | -2.29 | 1.39 | 1.44 |
| 30 | B | 815 | CLA | C4C-C3C | 2.29 | 1.48 | 1.45 |
| 37 | 9 | 316 | A86 | C15-C16 | -2.29 | 1.51 | 1.55 |
| 37 | 9 | 313 | A86 | C26-C27 | 2.29 | 1.41 | 1.35 |
| 30 | 6 | 307 | CLA | C4C-C3C | 2.29 | 1.48 | 1.45 |
| 30 | 15 | 304 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 37 | 4 | 312 | A86 | C2-C1 | 2.29 | 1.41 | 1.35 |
| 30 | 13 | 304 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 39 | 6 | 321 | DD6 | C4-C5 | 2.29 | 1.50 | 1.43 |
| 37 | 10 | 301 | A86 | C26-C27 | 2.29 | 1.41 | 1.35 |
| 37 | 13 | 315 | A86 | O-C13 | -2.29 | 1.18 | 1.23 |
| 30 | 9 | 302 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 30 | 5 | 302 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 30 | A | 841 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 37 | 2 | 319 | A86 | O4-C34 | -2.29 | 1.41 | 1.46 |
| 38 | 14 | 311 | KC1 | C1C-C2C | 2.29 | 1.49 | 1.44 |
| 30 | 4 | 309 | CLA | C4C-C3C | 2.29 | 1.48 | 1.45 |
| 38 | 16 | 311 | KC1 | C4D-CHA | 2.29 | 1.47 | 1.45 |
| 30 | 3 | 307 | CLA | C4B-CHC | 2.29 | 1.47 | 1.41 |
| 38 | 1 | 308 | KC1 | C4D-ND | 2.29 | 1.39 | 1.35 |
| 30 | B | 822 | CLA | C3A-C2A | -2.29 | 1.48 | 1.54 |
| 30 | 2 | 309 | CLA | C4C-C3C | 2.29 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 36 | 2u | 204 | LMG | C4-C5 | 2.29 | 1.57 | 1.53 |
| 30 | 1 | 304 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 30 | 2 | 309 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 30 | B | 822 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 30 | 10 | 304 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 38 | 12 | 311 | KC1 | C4D-CHA | 2.28 | 1.47 | 1.45 |
| 30 | 14 | 305 | CLA | C4C-C3C | 2.28 | 1.48 | 1.45 |
| 38 | 3 | 304 | KC1 | C4D-CHA | 2.28 | 1.47 | 1.45 |
| 39 | 4 | 316 | DD6 | C35-C36 | 2.28 | 1.54 | 1.51 |
| 30 | A | 819 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 30 | A | 842 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 30 | A | 813 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 37 | 9 | 316 | A86 | C5-C6 | 2.28 | 1.41 | 1.35 |
| 30 | 5 | 307 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 30 | 14 | 304 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 30 | 16 | 309 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 37 | 1 | 309 | A86 | C2-C1 | 2.28 | 1.41 | 1.35 |
| 38 | 9 | 311 | KC1 | C4D-ND | 2.28 | 1.39 | 1.35 |
| 30 | A | 810 | CLA | C1B-CHB | 2.28 | 1.47 | 1.41 |
| 30 | 11 | 308 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 30 | A | 836 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 30 | 9 | 307 | CLA | C4B-CHC | 2.28 | 1.47 | 1.41 |
| 39 | 8 | 317 | DD6 | C35-C36 | 2.28 | 1.54 | 1.51 |
| 37 | 16 | 314 | A86 | C2-C1 | 2.28 | 1.41 | 1.35 |
| 30 | A | 811 | CLA | C1C-NC | -2.28 | 1.34 | 1.37 |
| 30 | 3 | 305 | CLA | C3D-C4D | -2.28 | 1.39 | 1.44 |
| 29 | A | 801 | CL0 | C1C-NC | -2.28 | 1.34 | 1.37 |
| 38 | 12 | 309 | KC1 | C4D-CHA | 2.28 | 1.47 | 1.45 |
| 30 | 11 | 304 | CLA | C4C-C3C | 2.28 | 1.48 | 1.45 |
| 38 | 4 | 307 | KC1 | CAA-C2A | 2.27 | 1.53 | 1.46 |
| 38 | 8 | 306 | KC1 | C4A-C3A | 2.27 | 1.49 | 1.44 |
| 37 | 14 | 319 | A86 | C14-C15 | 2.27 | 1.57 | 1.52 |
| 37 | 15 | 323 | A86 | C5-C6 | 2.27 | 1.41 | 1.35 |
| 30 | 13 | 303 | CLA | C3D-C4D | -2.27 | 1.39 | 1.44 |
| 30 | F | 201 | CLA | C1C-C2C | 2.27 | 1.49 | 1.44 |
| 38 | 11 | 307 | KC1 | CAA-C2A | 2.27 | 1.53 | 1.46 |
| 30 | A | 805 | CLA | C1C-C2C | 2.27 | 1.49 | 1.44 |
| 30 | 15 | 313 | CLA | C3D-C4D | -2.27 | 1.39 | 1.44 |
| 37 | 15 | 315 | A86 | O-C13 | -2.27 | 1.18 | 1.23 |
| 38 | 1 | 306 | KC1 | C2A-C1A | 2.27 | 1.51 | 1.44 |
| 38 | 4 | 310 | KC1 | C4C-C3C | 2.27 | 1.48 | 1.45 |
| 30 | 11 | 309 | CLA | C4C-C3C | 2.27 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 7 | 310 | CLA | C4B-CHC | 2.27 | 1.47 | 1.41 |
| 30 | 5 | 303 | CLA | C4B-CHC | 2.27 | 1.47 | 1.41 |
| 30 | 15 | 314 | CLA | C4B-CHC | 2.27 | 1.47 | 1.41 |
| 39 | 2 | 317 | DD6 | C41-C32 | -2.27 | 1.49 | 1.53 |
| 37 | 4 | 312 | A86 | C26-C27 | 2.27 | 1.41 | 1.35 |
| 39 | 5 | 313 | DD6 | C22-C16 | -2.27 | 1.49 | 1.53 |
| 30 | 3 | 307 | CLA | C1C-NC | -2.27 | 1.34 | 1.37 |
| 37 | 15 | 317 | A86 | C5-C6 | 2.27 | 1.41 | 1.35 |
| 38 | 10 | 306 | KC1 | C4D-ND | 2.27 | 1.39 | 1.35 |
| 30 | B | 824 | CLA | C4C-C3C | 2.27 | 1.48 | 1.45 |
| 38 | 13 | 305 | KC1 | C4A-C3A | 2.27 | 1.49 | 1.44 |
| 30 | 3 | 309 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 30 | 7 | 303 | CLA | C1C-C2C | 2.26 | 1.49 | 1.44 |
| 30 | 3 | 305 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 38 | 13 | 312 | KC1 | C4D-CHA | 2.26 | 1.47 | 1.45 |
| 30 | A | 829 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 38 | 2 | 306 | KC1 | C2A-C1A | 2.26 | 1.51 | 1.44 |
| 30 | 2 | 311 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 30 | 10 | 304 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 38 | 3 | 304 | KC1 | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 30 | A | 808 | CLA | C1C-C2C | 2.26 | 1.49 | 1.44 |
| 30 | 3 | 309 | CLA | C1C-C2C | 2.26 | 1.49 | 1.44 |
| 37 | 5 | 315 | A86 | C2-C1 | 2.26 | 1.41 | 1.35 |
| 30 | 7 | 309 | CLA | C1C-NC | -2.26 | 1.34 | 1.37 |
| 39 | 1 | 310 | DD6 | C4-C5 | 2.26 | 1.50 | 1.43 |
| 30 | 10 | 305 | CLA | C1B-CHB | 2.26 | 1.47 | 1.41 |
| 30 | 15 | 303 | CLA | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 38 | 8 | 311 | KC1 | C4C-C3C | 2.26 | 1.48 | 1.45 |
| 39 | 6 | 303 | DD6 | C35-C36 | 2.26 | 1.54 | 1.51 |
| 30 | 9 | 301 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 30 | 9 | 306 | CLA | C3D-C4D | -2.26 | 1.39 | 1.44 |
| 30 | B | 835 | CLA | CBD-CAD | -2.26 | 1.46 | 1.56 |
| 39 | 3 | 316 | DD6 | C22-C16 | -2.26 | 1.49 | 1.53 |
| 39 | 10 | 313 | DD6 | C35-C36 | 2.26 | 1.54 | 1.51 |
| 38 | 11 | 305 | KC1 | C4D-CHA | 2.26 | 1.47 | 1.45 |
| 30 | 2 | 303 | CLA | C1A-CHA | 2.26 | 1.52 | 1.43 |
| 30 | B | 801 | CLA | C1B-CHB | 2.26 | 1.47 | 1.41 |
| 30 | 12 | 310 | CLA | C4B-CHC | 2.26 | 1.47 | 1.41 |
| 30 | 6 | 310 | CLA | C4B-CHC | 2.25 | 1.47 | 1.41 |
| 30 | B | 811 | CLA | C1B-CHB | 2.25 | 1.47 | 1.41 |
| 30 | 3 | 309 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |
| 30 | 12 | 308 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 8 | 307 | KC1 | C2A-C1A | 2.25 | 1.51 | 1.44 |
| 38 | 13 | 308 | KC1 | C3B-C4B | 2.25 | 1.49 | 1.46 |
| 37 | 2u | 205 | A86 | O4-C34 | -2.25 | 1.41 | 1.46 |
| 38 | 10 | 312 | KC1 | CAA-C2A | 2.25 | 1.53 | 1.46 |
| 30 | 16 | 303 | CLA | C1C-C2C | 2.25 | 1.49 | 1.44 |
| 30 | 13 | 301 | CLA | C1B-CHB | 2.25 | 1.47 | 1.41 |
| 30 | 1 | 307 | CLA | C4C-C3C | 2.25 | 1.48 | 1.45 |
| 37 | 15 | 322 | A86 | C5-C6 | 2.25 | 1.41 | 1.35 |
| 30 | 2 | 313 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |
| 30 | 13 | 304 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |
| 30 | 12 | 306 | CLA | C1C-NC | -2.25 | 1.34 | 1.37 |
| 30 | 16 | 302 | CLA | C4B-CHC | 2.25 | 1.47 | 1.41 |
| 30 | 14 | 302 | CLA | C4C-C3C | 2.25 | 1.48 | 1.45 |
| 38 | 11 | 311 | KC1 | CAA-C2A | 2.25 | 1.53 | 1.46 |
| 30 | 6 | 310 | CLA | C3D-C4D | -2.25 | 1.39 | 1.44 |
| 30 | 6 | 310 | CLA | C4C-C3C | 2.25 | 1.48 | 1.45 |
| 37 | 16 | 312 | A86 | C14-C15 | 2.25 | 1.57 | 1.52 |
| 30 | 15 | 311 | CLA | C1C-C2C | 2.25 | 1.49 | 1.44 |
| 33 | A | 847 | BCR | C33-C5 | -2.25 | 1.47 | 1.50 |
| 30 | B | 836 | CLA | C1C-NC | -2.25 | 1.34 | 1.37 |
| 30 | F | 202 | CLA | CBD-CAD | -2.25 | 1.46 | 1.56 |
| 37 | 10 | 302 | A86 | C2-C1 | 2.25 | 1.41 | 1.35 |
| 30 | 7 | 306 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 30 | 6 | 309 | CLA | C4B-CHC | 2.24 | 1.47 | 1.41 |
| 30 | 14 | 304 | CLA | C1B-CHB | 2.24 | 1.47 | 1.41 |
| 30 | A | 825 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 37 | 13 | 315 | A86 | O4-C34 | -2.24 | 1.41 | 1.46 |
| 30 | 6 | 315 | CLA | C3D-C4D | -2.24 | 1.39 | 1.44 |
| 38 | 16 | 311 | KC1 | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 37 | 1 | 309 | A86 | O4-C34 | -2.24 | 1.41 | 1.46 |
| 38 | 2 | 306 | KC1 | C4D-ND | 2.24 | 1.39 | 1.35 |
| 30 | B | 832 | CLA | C1C-NC | -2.24 | 1.34 | 1.37 |
| 30 | 15 | 314 | CLA | C1C-C2C | 2.24 | 1.49 | 1.44 |
| 30 | 16 | 305 | CLA | C4B-CHC | 2.24 | 1.47 | 1.41 |
| 30 | 15 | 311 | CLA | C1B-CHB | 2.24 | 1.47 | 1.41 |
| 38 | 11 | 311 | KC1 | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 38 | 13 | 311 | KC1 | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 37 | 10 | 316 | A86 | C26-C27 | 2.24 | 1.41 | 1.35 |
| 30 | A | 836 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 30 | J | 101 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 38 | 8 | 312 | KC1 | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 30 | 16 | 307 | CLA | C3D-C4D | -2.24 | 1.39 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 33 | I | 101 | BCR | C30-C25 | -2.24 | 1.50 | 1.53 |
| 38 | 1 | 308 | KC1 | C2A-C1A | 2.24 | 1.51 | 1.44 |
| 30 | 4 | 306 | CLA | C4B-CHC | 2.24 | 1.47 | 1.41 |
| 30 | 7 | 311 | CLA | C4C-C3C | 2.24 | 1.48 | 1.45 |
| 30 | B | 826 | CLA | C1C-NC | -2.23 | 1.34 | 1.37 |
| 30 | 4 | 304 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | 1 | 302 | CLA | C1C-NC | -2.23 | 1.34 | 1.37 |
| 38 | 13 | 312 | KC1 | C3B-C4B | 2.23 | 1.49 | 1.46 |
| 30 | 16 | 302 | CLA | C1B-CHB | 2.23 | 1.47 | 1.41 |
| 30 | A | 815 | CLA | C4C-C3C | 2.23 | 1.48 | 1.45 |
| 30 | 15 | 310 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | 16 | 310 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | A | 804 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | 15 | 302 | CLA | C4C-C3C | 2.23 | 1.48 | 1.45 |
| 30 | B | 835 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | 10 | 307 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 37 | 2 | 319 | A86 | C2-C1 | 2.23 | 1.41 | 1.35 |
| 39 | 9 | 314 | DD6 | C22-C16 | -2.23 | 1.49 | 1.53 |
| 38 | 14 | 308 | KC1 | C3B-C4B | 2.23 | 1.49 | 1.46 |
| 30 | B | 805 | CLA | C1C-NC | -2.23 | 1.34 | 1.37 |
| 39 | 8 | 317 | DD6 | C22-C16 | -2.23 | 1.49 | 1.53 |
| 30 | 4 | 309 | CLA | C3D-C4D | -2.23 | 1.39 | 1.44 |
| 30 | 11 | 308 | CLA | C4C-C3C | 2.23 | 1.48 | 1.45 |
| 30 | A | 821 | CLA | C1B-CHB | 2.23 | 1.47 | 1.41 |
| 30 | 4 | 303 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | 2 | 308 | CLA | C1C-C2C | 2.23 | 1.49 | 1.44 |
| 38 | 3 | 304 | KC1 | C4D-ND | 2.23 | 1.39 | 1.35 |
| 38 | 14 | 311 | KC1 | CAA-C2A | 2.23 | 1.53 | 1.46 |
| 38 | 12 | 305 | KC1 | C4C-C3C | 2.23 | 1.48 | 1.45 |
| 38 | 10 | 312 | KC1 | C2A-C1A | 2.23 | 1.51 | 1.44 |
| 37 | 8 | 318 | A86 | C24-C1 | 2.23 | 1.50 | 1.46 |
| 38 | 8 | 314 | KC1 | CAA-C2A | 2.23 | 1.53 | 1.46 |
| 30 | F | 202 | CLA | C4B-CHC | 2.23 | 1.47 | 1.41 |
| 30 | A | 807 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | A | 833 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | 6 | 305 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | 16 | 309 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | 2 | 305 | CLA | C4C-C3C | 2.22 | 1.48 | 1.45 |
| 30 | 3 | 303 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 34 | 6 | 322 | LHG | O7-C5 | -2.22 | 1.41 | 1.46 |
| 38 | 9 | 310 | KC1 | C2A-C1A | 2.22 | 1.51 | 1.44 |
| 30 | 10 | 311 | CLA | C3D-C4D | -2.22 | 1.39 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 8 | 309 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | B | 802 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 37 | 13 | 315 | A86 | C5-C6 | 2.22 | 1.40 | 1.35 |
| 30 | 12 | 312 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 36 | 3 | 317 | LMG | C1-C2 | 2.22 | 1.59 | 1.52 |
| 30 | 5 | 309 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | 10 | 304 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 30 | L | 203 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 37 | 4 | 312 | A86 | C24-C1 | 2.22 | 1.50 | 1.46 |
| 30 | B | 804 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 37 | 11 | 314 | A86 | C5-C6 | 2.22 | 1.40 | 1.35 |
| 30 | 12 | 310 | CLA | C1B-CHB | 2.22 | 1.47 | 1.41 |
| 34 | B | 848 | LHG | O7-C5 | -2.22 | 1.41 | 1.46 |
| 30 | 14 | 307 | CLA | C3D-C4D | -2.22 | 1.39 | 1.44 |
| 30 | 2u | 202 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 30 | A | 826 | CLA | C1C-NC | -2.22 | 1.34 | 1.37 |
| 30 | A | 837 | CLA | C4C-C3C | 2.22 | 1.48 | 1.45 |
| 30 | 10 | 307 | CLA | C3D-C4D | -2.22 | 1.39 | 1.44 |
| 37 | 10 | 317 | A86 | C5-C6 | 2.22 | 1.40 | 1.35 |
| 38 | 13 | 308 | KC1 | C4D-CHA | 2.22 | 1.47 | 1.45 |
| 30 | 7 | 305 | CLA | C3D-C4D | -2.22 | 1.39 | 1.44 |
| 30 | 13 | 302 | CLA | C1C-C2C | 2.22 | 1.49 | 1.44 |
| 30 | B | 806 | CLA | C4B-CHC | 2.22 | 1.47 | 1.41 |
| 37 | 14 | 316 | A86 | C14-C15 | 2.22 | 1.57 | 1.52 |
| 30 | 9 | 307 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 38 | 6 | 311 | KC1 | CAA-C2A | 2.21 | 1.53 | 1.46 |
| 30 | A | 839 | CLA | C1C-NC | -2.21 | 1.34 | 1.37 |
| 38 | 8 | 312 | KC1 | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 39 | 16 | 313 | DD6 | C15-C14 | 2.21 | 1.54 | 1.50 |
| 38 | 5 | 310 | KC1 | CAA-C2A | 2.21 | 1.53 | 1.46 |
| 30 | 12 | 312 | CLA | C1B-CHB | 2.21 | 1.47 | 1.41 |
| 37 | 15 | 316 | A86 | C5-C6 | 2.21 | 1.40 | 1.35 |
| 38 | 14 | 308 | KC1 | CAA-C2A | 2.21 | 1.53 | 1.46 |
| 30 | 10 | 309 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 30 | 11 | 304 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 30 | A | 839 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 30 | 10 | 303 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 30 | 13 | 303 | CLA | C1B-CHB | 2.21 | 1.47 | 1.41 |
| 38 | 7 | 308 | KC1 | CAA-C2A | 2.21 | 1.53 | 1.46 |
| 39 | 6 | 318 | DD6 | C22-C16 | -2.21 | 1.49 | 1.53 |
| 38 | 13 | 311 | KC1 | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 37 | 13 | 313 | A86 | C35-C34 | 2.21 | 1.55 | 1.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 8 | 313 | KC1 | C2A-C1A | 2.21 | 1.51 | 1.44 |
| 30 | A | 808 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 30 | 13 | 302 | CLA | C3D-C4D | -2.21 | 1.39 | 1.44 |
| 39 | 2 | 315 | DD6 | C35-C36 | 2.21 | 1.54 | 1.51 |
| 38 | 4 | 307 | KC1 | C4D-CHA | 2.21 | 1.47 | 1.45 |
| 30 | B | 828 | CLA | C4C-C3C | 2.21 | 1.48 | 1.45 |
| 30 | A | 816 | CLA | C1C-NC | -2.21 | 1.34 | 1.37 |
| 38 | 13 | 311 | KC1 | C3B-C4B | 2.21 | 1.49 | 1.46 |
| 30 | 15 | 310 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 30 | 1 | 304 | CLA | C1B-CHB | 2.21 | 1.47 | 1.41 |
| 37 | 11 | 316 | A86 | O4-C34 | -2.21 | 1.41 | 1.46 |
| 30 | 4 | 301 | CLA | C1C-NC | -2.21 | 1.34 | 1.37 |
| 30 | 5 | 311 | CLA | C4C-C3C | 2.21 | 1.48 | 1.45 |
| 30 | 6 | 306 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 30 | 1 | 303 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 37 | 5 | 301 | A86 | O4-C34 | -2.21 | 1.41 | 1.46 |
| 30 | B | 831 | CLA | C4B-CHC | 2.21 | 1.47 | 1.41 |
| 38 | 11 | 312 | KC1 | CAA-C2A | 2.21 | 1.53 | 1.46 |
| 30 | 14 | 309 | CLA | C3D-C4D | -2.21 | 1.39 | 1.44 |
| 30 | 14 | 313 | CLA | C1C-C2C | 2.21 | 1.49 | 1.44 |
| 36 | 7 | 320 | LMG | O8-C9 | -2.21 | 1.40 | 1.45 |
| 30 | A | 826 | CLA | C1B-CHB | 2.20 | 1.47 | 1.41 |
| 37 | 14 | 319 | A86 | C5-C6 | 2.20 | 1.40 | 1.35 |
| 38 | 4 | 310 | KC1 | C4A-C3A | 2.20 | 1.49 | 1.44 |
| 30 | 8 | 301 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 12 | 304 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 2 | 303 | CLA | C4C-C3C | 2.20 | 1.48 | 1.45 |
| 38 | 5 | 306 | KC1 | C2A-C1A | 2.20 | 1.51 | 1.44 |
| 30 | 6 | 317 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 30 | 7 | 306 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 10 | 311 | CLA | C1B-CHB | 2.20 | 1.47 | 1.41 |
| 38 | 16 | 304 | KC1 | CAA-C2A | 2.20 | 1.53 | 1.46 |
| 30 | 4 | 302 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 14 | 305 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 5 | 307 | CLA | C1A-CHA | 2.20 | 1.52 | 1.43 |
| 38 | 2 | 306 | KC1 | CAA-C2A | 2.20 | 1.53 | 1.46 |
| 30 | 6 | 317 | CLA | C1C-C2C | 2.20 | 1.49 | 1.44 |
| 30 | B | 805 | CLA | C4C-C3C | 2.20 | 1.48 | 1.45 |
| 30 | 2 | 303 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 30 | 14 | 310 | CLA | C1C-C2C | 2.20 | 1.49 | 1.44 |
| 30 | 10 | 307 | CLA | C1C-C2C | 2.20 | 1.49 | 1.44 |
| 30 | 14 | 305 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 13 | 307 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 30 | B | 813 | CLA | C4C-C3C | 2.20 | 1.48 | 1.45 |
| 30 | 16 | 305 | CLA | C3D-C4D | -2.20 | 1.39 | 1.44 |
| 30 | 7 | 312 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 37 | 10 | 301 | A86 | O4-C34 | -2.20 | 1.41 | 1.46 |
| 38 | 9 | 310 | KC1 | CAA-C2A | 2.20 | 1.53 | 1.46 |
| 30 | 12 | 308 | CLA | C1B-CHB | 2.20 | 1.47 | 1.41 |
| 37 | 12 | 314 | A86 | C5-C6 | 2.20 | 1.40 | 1.35 |
| 30 | A | 840 | CLA | C4B-CHC | 2.20 | 1.47 | 1.41 |
| 38 | 14 | 311 | KC1 | C4D-ND | 2.20 | 1.39 | 1.35 |
| 30 | B | 834 | CLA | C1C-C2C | 2.20 | 1.49 | 1.44 |
| 38 | 9 | 310 | KC1 | C4A-C3A | 2.20 | 1.49 | 1.44 |
| 39 | 2 | 316 | DD6 | C22-C16 | -2.20 | 1.49 | 1.53 |
| 37 | 6 | 320 | A86 | C2-C1 | 2.20 | 1.40 | 1.35 |
| 39 | 5 | 314 | DD6 | C4-C5 | 2.19 | 1.50 | 1.43 |
| 30 | 5 | 304 | CLA | C4B-CHC | 2.19 | 1.47 | 1.41 |
| 30 | 13 | 309 | CLA | C1B-CHB | 2.19 | 1.47 | 1.41 |
| 39 | 3 | 312 | DD6 | C35-C36 | 2.19 | 1.54 | 1.51 |
| 38 | 11 | 305 | KC1 | CAA-C2A | 2.19 | 1.53 | 1.46 |
| 38 | 13 | 310 | KC1 | C4D-ND | 2.19 | 1.39 | 1.35 |
| 30 | 12 | 312 | CLA | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 38 | 9 | 311 | KC1 | CAA-C2A | 2.19 | 1.53 | 1.46 |
| 37 | 15 | 316 | A86 | O4-C34 | -2.19 | 1.41 | 1.46 |
| 30 | B | 809 | CLA | C1B-CHB | 2.19 | 1.47 | 1.41 |
| 30 | B | 804 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 30 | A | 802 | CLA | CBD-CAD | -2.19 | 1.46 | 1.56 |
| 30 | 13 | 309 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 39 | 6 | 303 | DD6 | C22-C16 | -2.19 | 1.49 | 1.53 |
| 30 | 2 | 313 | CLA | C1C-C2C | 2.19 | 1.49 | 1.44 |
| 38 | 13 | 312 | KC1 | C1C-C2C | 2.19 | 1.49 | 1.44 |
| 30 | 15 | 312 | CLA | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 30 | 6 | 306 | CLA | CBD-CAD | -2.19 | 1.46 | 1.56 |
| 37 | 14 | 317 | A86 | C26-C27 | 2.19 | 1.40 | 1.35 |
| 30 | 15 | 305 | CLA | C1C-C2C | 2.19 | 1.49 | 1.44 |
| 30 | B | 820 | CLA | C1B-CHB | 2.19 | 1.47 | 1.41 |
| 30 | 15 | 309 | CLA | C3D-C4D | -2.19 | 1.39 | 1.44 |
| 37 | 12 | 316 | A86 | O4-C34 | -2.19 | 1.41 | 1.46 |
| 37 | 4 | 312 | A86 | O4-C34 | -2.19 | 1.41 | 1.46 |
| 30 | 14 | 313 | CLA | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 37 | 14 | 317 | A86 | O4-C34 | -2.19 | 1.41 | 1.46 |
| 30 | 3 | 303 | CLA | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 37 | 16 | 312 | A86 | C5-C6 | 2.19 | 1.40 | 1.35 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 2 | 314 | KC1 | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 38 | 8 | 306 | KC1 | CAA-C2A | 2.19 | 1.53 | 1.46 |
| 37 | 16 | 312 | A86 | C2-C1 | 2.19 | 1.40 | 1.35 |
| 30 | B | 851 | CLA | C4B-CHC | 2.19 | 1.47 | 1.41 |
| 30 | 13 | 302 | CLA | C4C-C3C | 2.19 | 1.48 | 1.45 |
| 33 | J | 103 | BCR | C33-C5 | -2.18 | 1.47 | 1.50 |
| 30 | B | 829 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 39 | 8 | 317 | DD6 | O1-C20 | 2.18 | 1.49 | 1.46 |
| 30 | 16 | 302 | CLA | C4C-C3C | 2.18 | 1.48 | 1.45 |
| 30 | 3 | 307 | CLA | C3D-C4D | -2.18 | 1.39 | 1.44 |
| 30 | 1 | 305 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 38 | 13 | 311 | KC1 | C4D-ND | 2.18 | 1.39 | 1.35 |
| 39 | 7 | 302 | DD6 | C35-C36 | 2.18 | 1.54 | 1.51 |
| 30 | 14 | 303 | CLA | C1C-C2C | 2.18 | 1.49 | 1.44 |
| 37 | 14 | 315 | A86 | C24-C1 | 2.18 | 1.50 | 1.46 |
| 30 | F | 203 | CLA | C1C-NC | -2.18 | 1.34 | 1.37 |
| 38 | 13 | 310 | KC1 | CAA-C2A | 2.18 | 1.53 | 1.46 |
| 30 | 9 | 303 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 30 | 9 | 306 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 37 | 2u | 205 | A86 | C-C1 | 2.18 | 1.55 | 1.50 |
| 39 | 2 | 315 | DD6 | C26-C27 | -2.18 | 1.32 | 1.37 |
| 37 | 4 | 315 | A86 | O4-C34 | -2.18 | 1.41 | 1.46 |
| 30 | 16 | 310 | CLA | C1B-CHB | 2.18 | 1.47 | 1.41 |
| 39 | 1 | 310 | DD6 | C35-C36 | 2.18 | 1.54 | 1.51 |
| 30 | 4 | 311 | CLA | C4C-C3C | 2.18 | 1.48 | 1.45 |
| 30 | 6 | 317 | CLA | C4C-C3C | 2.18 | 1.48 | 1.45 |
| 30 | B | 810 | CLA | C1C-NC | -2.18 | 1.34 | 1.37 |
| 30 | 16 | 309 | CLA | C1B-CHB | 2.18 | 1.47 | 1.41 |
| 38 | 2 | 306 | KC1 | C4D-CHA | 2.18 | 1.47 | 1.45 |
| 30 | B | 823 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 30 | B | 824 | CLA | C1C-NC | -2.18 | 1.34 | 1.37 |
| 30 | 3 | 302 | CLA | C1B-CHB | 2.18 | 1.47 | 1.41 |
| 30 | 5 | 311 | CLA | C1B-CHB | 2.18 | 1.47 | 1.41 |
| 38 | 1 | 308 | KC1 | C4A-C3A | 2.18 | 1.48 | 1.44 |
| 33 | M | 101 | BCR | C33-C5 | -2.18 | 1.47 | 1.50 |
| 30 | 4 | 301 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 30 | L | 203 | CLA | C4B-CHC | 2.18 | 1.47 | 1.41 |
| 30 | B | 807 | CLA | C1B-CHB | 2.17 | 1.47 | 1.41 |
| 30 | 2 | 301 | CLA | C1B-CHB | 2.17 | 1.47 | 1.41 |
| 30 | 9 | 307 | CLA | C3D-C4D | -2.17 | 1.39 | 1.44 |
| 30 | 16 | 301 | CLA | C3D-C4D | -2.17 | 1.39 | 1.44 |
| 30 | 9 | 305 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 1 | 307 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 30 | B | 821 | CLA | C1C-NC | -2.17 | 1.34 | 1.37 |
| 30 | L | 202 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 38 | 10 | 306 | KC1 | C4D-CHA | 2.17 | 1.47 | 1.45 |
| 30 | A | 842 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 30 | 10 | 309 | CLA | C1B-CHB | 2.17 | 1.47 | 1.41 |
| 30 | 14 | 302 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 30 | 15 | 309 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 30 | 8 | 305 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 30 | B | 821 | CLA | C4C-C3C | 2.17 | 1.48 | 1.45 |
| 37 | 2 | 318 | A86 | O4-C34 | -2.17 | 1.41 | 1.46 |
| 38 | 13 | 308 | KC1 | CAA-C2A | 2.17 | 1.52 | 1.46 |
| 30 | 12 | 310 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 30 | 16 | 307 | CLA | C1B-CHB | 2.17 | 1.47 | 1.41 |
| 30 | B | 834 | CLA | C1C-NC | -2.17 | 1.34 | 1.37 |
| 30 | 15 | 306 | CLA | C4B-CHC | 2.17 | 1.47 | 1.41 |
| 38 | 16 | 304 | KC1 | C1D-CHD | 2.17 | 1.47 | 1.41 |
| 30 | 13 | 304 | CLA | C1C-C2C | 2.17 | 1.48 | 1.44 |
| 38 | 3 | 311 | KC1 | C4A-C3A | 2.17 | 1.48 | 1.44 |
| 39 | 2 | 315 | DD6 | C22-C16 | -2.16 | 1.49 | 1.53 |
| 30 | 12 | 321 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 30 | 15 | 303 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 38 | 9 | 304 | KC1 | C2A-C1A | 2.16 | 1.51 | 1.44 |
| 30 | 11 | 309 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 39 | 3 | 312 | DD6 | C22-C16 | -2.16 | 1.49 | 1.53 |
| 38 | 9 | 304 | KC1 | CAA-C2A | 2.16 | 1.52 | 1.46 |
| 30 | A | 812 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | 15 | 306 | CLA | C1B-CHB | 2.16 | 1.47 | 1.41 |
| 30 | 2u | 202 | CLA | C1B-CHB | 2.16 | 1.47 | 1.41 |
| 30 | B | 824 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 30 | F | 202 | CLA | C4C-C3C | 2.16 | 1.48 | 1.45 |
| 30 | 16 | 308 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 38 | 13 | 311 | KC1 | CAA-C2A | 2.16 | 1.52 | 1.46 |
| 38 | 8 | 312 | KC1 | CHB-C4A | -2.16 | 1.34 | 1.39 |
| 30 | 15 | 310 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 30 | 6 | 304 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 30 | 14 | 309 | CLA | C1B-CHB | 2.16 | 1.47 | 1.41 |
| 30 | A | 814 | CLA | C4C-C3C | 2.16 | 1.48 | 1.45 |
| 30 | A | 812 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 36 | 14 | 321 | LMG | O4-C4 | -2.16 | 1.37 | 1.43 |
| 30 | 12 | 321 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | A | 803 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 817 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 30 | 12 | 303 | CLA | C4B-CHC | 2.16 | 1.47 | 1.41 |
| 30 | 15 | 303 | CLA | C1C-C2C | 2.16 | 1.48 | 1.44 |
| 30 | 15 | 311 | CLA | C3D-C4D | -2.16 | 1.39 | 1.44 |
| 30 | A | 824 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | 7 | 305 | CLA | C1A-CHA | 2.16 | 1.52 | 1.43 |
| 37 | 5 | 315 | A86 | O4-C34 | -2.16 | 1.41 | 1.46 |
| 38 | 7 | 313 | KC1 | C2A-C1A | 2.16 | 1.51 | 1.44 |
| 30 | A | 829 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | A | 822 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | A | 838 | CLA | C1C-NC | -2.16 | 1.34 | 1.37 |
| 30 | A | 817 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 38 | 12 | 305 | KC1 | CAA-C2A | 2.15 | 1.52 | 1.46 |
| 30 | 5 | 311 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 30 | 13 | 307 | CLA | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 30 | 6 | 315 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 30 | B | 815 | CLA | CBD-CAD | -2.15 | 1.46 | 1.56 |
| 38 | 11 | 307 | KC1 | C4D-ND | 2.15 | 1.39 | 1.35 |
| 30 | A | 834 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 37 | 12 | 316 | A86 | C5-C6 | 2.15 | 1.40 | 1.35 |
| 30 | B | 802 | CLA | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 37 | 14 | 318 | A86 | C5-C6 | 2.15 | 1.40 | 1.35 |
| 30 | 12 | 308 | CLA | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 30 | B | 817 | CLA | C1C-NC | -2.15 | 1.34 | 1.37 |
| 30 | A | 826 | CLA | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 30 | B | 822 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 30 | 4 | 311 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 39 | 6 | 318 | DD6 | C35-C36 | 2.15 | 1.54 | 1.51 |
| 38 | 5 | 306 | KC1 | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 38 | 8 | 313 | KC1 | CAA-C2A | 2.15 | 1.52 | 1.46 |
| 38 | 10 | 310 | KC1 | CAA-C2A | 2.15 | 1.52 | 1.46 |
| 38 | 11 | 312 | KC1 | C4D-CHA | 2.15 | 1.47 | 1.45 |
| 30 | 8 | 308 | CLA | C1C-C2C | 2.15 | 1.48 | 1.44 |
| 30 | 13 | 304 | CLA | C1B-CHB | 2.15 | 1.47 | 1.41 |
| 30 | B | 825 | CLA | C1C-NC | -2.15 | 1.34 | 1.37 |
| 30 | 2 | 307 | CLA | C1C-NC | -2.15 | 1.34 | 1.37 |
| 37 | 8 | 318 | A86 | O4-C34 | -2.15 | 1.41 | 1.46 |
| 38 | 13 | 310 | KC1 | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 37 | 14 | 301 | A86 | C5-C6 | 2.15 | 1.40 | 1.35 |
| 37 | 8 | 318 | A86 | C26-C27 | 2.15 | 1.40 | 1.35 |
| 30 | 3 | 303 | CLA | C3D-C4D | -2.15 | 1.39 | 1.44 |
| 30 | B | 827 | CLA | C1C-NC | -2.15 | 1.34 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | B | 832 | CLA | C4B-CHC | 2.15 | 1.47 | 1.41 |
| 37 | 3 | 315 | A86 | O4-C34 | -2.15 | 1.41 | 1.46 |
| 37 | 15 | 315 | A86 | O4-C34 | -2.15 | 1.41 | 1.46 |
| 30 | 6 | 315 | CLA | C4C-C3C | 2.15 | 1.48 | 1.45 |
| 30 | 15 | 310 | CLA | C1B-CHB | 2.14 | 1.47 | 1.41 |
| 37 | 10 | 316 | A86 | O4-C34 | -2.14 | 1.41 | 1.46 |
| 30 | 8 | 309 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |
| 30 | 15 | 305 | CLA | C3D-C4D | -2.14 | 1.39 | 1.44 |
| 37 | 14 | 320 | A86 | O4-C34 | -2.14 | 1.41 | 1.46 |
| 30 | 5 | 302 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | 3 | 302 | CLA | CBD-CAD | -2.14 | 1.46 | 1.56 |
| 30 | 6 | 305 | CLA | C4C-C3C | 2.14 | 1.48 | 1.45 |
| 30 | 2 | 311 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | 14 | 310 | CLA | C3D-C4D | -2.14 | 1.39 | 1.44 |
| 30 | 5 | 304 | CLA | C4C-C3C | 2.14 | 1.48 | 1.45 |
| 30 | B | 819 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 38 | 10 | 306 | KC1 | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 37 | 3 | 314 | A86 | O4-C34 | -2.14 | 1.41 | 1.46 |
| 30 | 16 | 306 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | A | 816 | CLA | C1B-CHB | 2.14 | 1.46 | 1.41 |
| 38 | 4 | 307 | KC1 | C1D-CHD | 2.14 | 1.46 | 1.41 |
| 30 | B | 828 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |
| 38 | 5 | 305 | KC1 | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 37 | 9 | 313 | A86 | C2-C1 | 2.14 | 1.40 | 1.35 |
| 30 | 16 | 307 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 37 | 10 | 317 | A86 | O4-C34 | -2.14 | 1.41 | 1.46 |
| 39 | 5 | 314 | DD6 | C41-C32 | -2.14 | 1.49 | 1.53 |
| 38 | 14 | 306 | KC1 | C4D-ND | 2.14 | 1.39 | 1.35 |
| 30 | A | 810 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |
| 30 | 14 | 307 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | 15 | 307 | CLA | C3D-C4D | -2.14 | 1.39 | 1.44 |
| 30 | 15 | 305 | CLA | C1B-CHB | 2.14 | 1.46 | 1.41 |
| 30 | 2 | 309 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | A | 844 | CLA | C1B-CHB | 2.14 | 1.46 | 1.41 |
| 30 | 6 | 316 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 38 | 14 | 308 | KC1 | C1D-CHD | 2.14 | 1.46 | 1.41 |
| 30 | 9 | 308 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 38 | 13 | 310 | KC1 | C4D-CHA | 2.14 | 1.47 | 1.45 |
| 30 | A | 823 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 30 | A | 825 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |
| 37 | 2u | 203 | A86 | C39-C38 | 2.14 | 1.56 | 1.49 |
| 30 | A | 808 | CLA | C1C-NC | -2.14 | 1.34 | 1.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 313 | CLA | C1C-C2C | 2.14 | 1.48 | 1.44 |
| 30 | 3 | 302 | CLA | C4B-CHC | 2.14 | 1.46 | 1.41 |
| 30 | A | 838 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 38 | 6 | 312 | KC1 | C3B-C4B | 2.13 | 1.49 | 1.46 |
| 38 | 11 | 305 | KC1 | C2A-C1A | 2.13 | 1.51 | 1.44 |
| 30 | B | 802 | CLA | CBD-CAD | -2.13 | 1.46 | 1.56 |
| 30 | 3 | 309 | CLA | C1B-CHB | 2.13 | 1.46 | 1.41 |
| 39 | 16 | 313 | DD6 | C35-C36 | 2.13 | 1.54 | 1.51 |
| 30 | 4 | 305 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 37 | 4 | 315 | A86 | C2-C1 | 2.13 | 1.40 | 1.35 |
| 30 | A | 844 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 30 | 13 | 309 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 30 | B | 816 | CLA | C1C-NC | -2.13 | 1.34 | 1.37 |
| 30 | A | 819 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 37 | 7 | 319 | A86 | O4-C34 | -2.13 | 1.41 | 1.46 |
| 37 | 16 | 314 | A86 | C15-C16 | -2.13 | 1.52 | 1.55 |
| 30 | B | 826 | CLA | C1B-CHB | 2.13 | 1.46 | 1.41 |
| 30 | 15 | 306 | CLA | C3D-C4D | -2.13 | 1.39 | 1.44 |
| 30 | 8 | 303 | CLA | C1C-NC | -2.13 | 1.34 | 1.37 |
| 30 | A | 825 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 38 | 8 | 307 | KC1 | CAA-C2A | 2.13 | 1.52 | 1.46 |
| 30 | 2 | 304 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 38 | 12 | 311 | KC1 | C4D-ND | 2.13 | 1.39 | 1.35 |
| 30 | 5 | 304 | CLA | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 30 | B | 807 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 37 | 6 | 320 | A86 | C14-C15 | 2.13 | 1.56 | 1.52 |
| 37 | 3 | 314 | A86 | C5-C6 | 2.13 | 1.40 | 1.35 |
| 37 | 9 | 313 | A86 | O4-C34 | -2.13 | 1.41 | 1.46 |
| 30 | B | 801 | CLA | C4B-CHC | 2.13 | 1.46 | 1.41 |
| 30 | 15 | 314 | CLA | C3D-C4D | -2.13 | 1.39 | 1.44 |
| 38 | 4 | 310 | KC1 | C4D-ND | 2.13 | 1.39 | 1.35 |
| 38 | 14 | 308 | KC1 | C1C-C2C | 2.13 | 1.48 | 1.44 |
| 38 | 14 | 311 | KC1 | C4D-CHA | 2.13 | 1.47 | 1.45 |
| 30 | B | 837 | CLA | CBD-CAD | -2.12 | 1.47 | 1.56 |
| 30 | A | 832 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |
| 30 | B | 830 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 30 | 2 | 311 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 30 | 14 | 312 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 38 | 16 | 311 | KC1 | C1D-CHD | 2.12 | 1.46 | 1.41 |
| 30 | F | 202 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 30 | 14 | 303 | CLA | C3D-C4D | -2.12 | 1.39 | 1.44 |
| 30 | B | 833 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 39 | 12 | 315 | DD6 | C22-C16 | -2.12 | 1.49 | 1.53 |
| 37 | 16 | 312 | A86 | O4-C34 | -2.12 | 1.41 | 1.46 |
| 30 | 3 | 310 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 30 | 15 | 307 | CLA | C1B-CHB | 2.12 | 1.46 | 1.41 |
| 30 | 9 | 305 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 30 | 2 | 301 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |
| 30 | 7 | 305 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 37 | 1 | 309 | A86 | C14-C15 | 2.12 | 1.56 | 1.52 |
| 30 | 7 | 309 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 37 | 16 | 314 | A86 | O4-C34 | -2.12 | 1.41 | 1.46 |
| 30 | 2 | 311 | CLA | C1B-CHB | 2.12 | 1.46 | 1.41 |
| 30 | B | 803 | CLA | C3D-C4D | -2.12 | 1.39 | 1.44 |
| 37 | 8 | 318 | A86 | C5-C6 | 2.12 | 1.40 | 1.35 |
| 38 | 11 | 307 | KC1 | C4D-CHA | 2.12 | 1.47 | 1.45 |
| 38 | 6 | 308 | KC1 | C4A-C3A | 2.12 | 1.48 | 1.44 |
| 30 | 1 | 301 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 30 | 2 | 307 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 30 | 16 | 310 | CLA | C4C-C3C | 2.12 | 1.48 | 1.45 |
| 30 | L | 203 | CLA | C1C-NC | -2.12 | 1.34 | 1.37 |
| 30 | B | 801 | CLA | CBD-CAD | -2.12 | 1.47 | 1.56 |
| 30 | F | 201 | CLA | CBD-CAD | -2.12 | 1.47 | 1.56 |
| 38 | 5 | 305 | KC1 | C4D-ND | 2.12 | 1.38 | 1.35 |
| 37 | 11 | 314 | A86 | O4-C34 | -2.12 | 1.41 | 1.46 |
| 30 | 5 | 307 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 30 | 16 | 310 | CLA | C1C-C2C | 2.12 | 1.48 | 1.44 |
| 30 | 4 | 309 | CLA | C1B-CHB | 2.12 | 1.46 | 1.41 |
| 30 | 5 | 308 | CLA | C4B-CHC | 2.12 | 1.46 | 1.41 |
| 30 | A | 822 | CLA | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 38 | 10 | 306 | KC1 | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 38 | 3 | 311 | KC1 | C4D-ND | 2.11 | 1.38 | 1.35 |
| 38 | 8 | 314 | KC1 | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 38 | 9 | 304 | KC1 | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 30 | 2 | 309 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 38 | 13 | 312 | KC1 | C1D-CHD | 2.11 | 1.46 | 1.41 |
| 30 | 16 | 302 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 30 | 2 | 304 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 39 | 4 | 313 | DD6 | C22-C16 | -2.11 | 1.49 | 1.53 |
| 30 | 7 | 312 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 30 | B | 809 | CLA | C1C-NC | -2.11 | 1.34 | 1.37 |
| 30 | 10 | 305 | CLA | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 30 | 12 | 304 | CLA | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 30 | 15 | 303 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 304 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 38 | 11 | 311 | KC1 | C4D-ND | 2.11 | 1.38 | 1.35 |
| 30 | B | 811 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 30 | 4 | 305 | CLA | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 38 | 5 | 312 | KC1 | C4D-CHA | 2.11 | 1.47 | 1.45 |
| 30 | A | 803 | CLA | C3D-C4D | -2.11 | 1.39 | 1.44 |
| 30 | B | 818 | CLA | CBD-CAD | -2.11 | 1.47 | 1.56 |
| 30 | B | 803 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 30 | 3 | 302 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 37 | 2 | 319 | A86 | C26-C27 | 2.11 | 1.40 | 1.35 |
| 30 | 1 | 307 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 39 | 15 | 319 | DD6 | C22-C16 | -2.11 | 1.49 | 1.53 |
| 30 | 12 | 302 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 30 | 15 | 312 | CLA | C1C-C2C | 2.11 | 1.48 | 1.44 |
| 30 | 2 | 313 | CLA | C1B-CHB | 2.11 | 1.46 | 1.41 |
| 39 | 10 | 314 | DD6 | C22-C16 | -2.11 | 1.49 | 1.53 |
| 30 | 2 | 310 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 38 | 5 | 310 | KC1 | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 30 | A | 806 | CLA | C4B-CHC | 2.11 | 1.46 | 1.41 |
| 30 | 16 | 305 | CLA | C1C-NC | -2.11 | 1.34 | 1.37 |
| 38 | 6 | 313 | KC1 | C4C-C3C | 2.11 | 1.48 | 1.45 |
| 38 | 9 | 311 | KC1 | C1D-CHD | 2.10 | 1.46 | 1.41 |
| 30 | A | 842 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 30 | B | 810 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 30 | 3 | 301 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 37 | 4 | 314 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 30 | 10 | 308 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 30 | B | 851 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | 12 | 303 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 30 | 15 | 312 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 30 | B | 835 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | 12 | 308 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 30 | 16 | 309 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 38 | 1 | 306 | KC1 | C4D-ND | 2.10 | 1.38 | 1.35 |
| 30 | 7 | 309 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 30 | A | 818 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | A | 840 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 37 | 14 | 314 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 30 | 8 | 302 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 37 | 5 | 301 | A86 | C5-C6 | 2.10 | 1.40 | 1.35 |
| 30 | 12 | 303 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 30 | 10 | 307 | CLA | C1A-CHA | 2.10 | 1.51 | 1.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 2 | 305 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 30 | 2 | 305 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 30 | 5 | 303 | CLA | CBD-CAD | -2.10 | 1.47 | 1.56 |
| 30 | B | 820 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | 11 | 306 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 30 | B | 830 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | 12 | 306 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 30 | A | 824 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 30 | 10 | 311 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 30 | 9 | 309 | CLA | C1C-NC | -2.10 | 1.34 | 1.37 |
| 30 | 14 | 304 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 38 | 6 | 311 | KC1 | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 30 | B | 830 | CLA | CBD-CAD | -2.10 | 1.47 | 1.56 |
| 37 | 10 | 316 | A86 | C2-C1 | 2.10 | 1.40 | 1.35 |
| 30 | 12 | 307 | CLA | C1C-C2C | 2.10 | 1.48 | 1.44 |
| 30 | 15 | 309 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 39 | 3 | 316 | DD6 | C41-C32 | -2.10 | 1.49 | 1.53 |
| 37 | 15 | 322 | A86 | O4-C34 | -2.10 | 1.41 | 1.46 |
| 30 | A | 835 | CLA | C4C-C3C | 2.10 | 1.48 | 1.45 |
| 39 | 10 | 314 | DD6 | C35-C36 | 2.10 | 1.54 | 1.51 |
| 33 | 2u | 201 | BCR | C38-C26 | -2.10 | 1.47 | 1.50 |
| 30 | 7 | 304 | CLA | CBD-CAD | -2.10 | 1.47 | 1.56 |
| 30 | B | 827 | CLA | C4B-CHC | 2.10 | 1.46 | 1.41 |
| 30 | 6 | 317 | CLA | C1B-CHB | 2.10 | 1.46 | 1.41 |
| 33 | I | 101 | BCR | C27-C26 | -2.09 | 1.47 | 1.51 |
| 30 | 10 | 311 | CLA | C1C-NC | -2.09 | 1.34 | 1.37 |
| 30 | 9 | 307 | CLA | C1A-CHA | 2.09 | 1.51 | 1.43 |
| 30 | A | 823 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 30 | B | 813 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 30 | 5 | 307 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 38 | 9 | 310 | KC1 | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 38 | 12 | 313 | KC1 | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 37 | 6 | 320 | A86 | O4-C34 | -2.09 | 1.41 | 1.46 |
| 30 | B | 808 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 38 | 4 | 308 | KC1 | C4C-C3C | 2.09 | 1.48 | 1.45 |
| 37 | 14 | 317 | A86 | C5-C6 | 2.09 | 1.40 | 1.35 |
| 38 | 6 | 313 | KC1 | C2A-C1A | 2.09 | 1.51 | 1.44 |
| 30 | 11 | 310 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 37 | 2u | 203 | A86 | C2-C1 | 2.09 | 1.40 | 1.35 |
| 30 | 16 | 301 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 38 | 1 | 308 | KC1 | C4C-C3C | 2.09 | 1.48 | 1.45 |
| 37 | 14 | 319 | A86 | O4-C34 | -2.09 | 1.41 | 1.46 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 16 | 304 | KC1 | C3B-C4B | 2.09 | 1.49 | 1.46 |
| 38 | 11 | 311 | KC1 | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 30 | B | 833 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 30 | A | 822 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 30 | B | 825 | CLA | C1B-CHB | 2.09 | 1.46 | 1.41 |
| 30 | 8 | 302 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 30 | B | 803 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 30 | A | 820 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 30 | 16 | 305 | CLA | C4C-C3C | 2.09 | 1.48 | 1.45 |
| 30 | 16 | 302 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 38 | 16 | 304 | KC1 | C4D-ND | 2.09 | 1.38 | 1.35 |
| 30 | A | 809 | CLA | C1C-NC | -2.09 | 1.34 | 1.37 |
| 30 | 12 | 303 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 38 | 16 | 311 | KC1 | C4D-ND | 2.09 | 1.38 | 1.35 |
| 30 | 14 | 305 | CLA | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 33 | L | 204 | BCR | C1-C6 | -2.09 | 1.51 | 1.53 |
| 37 | 9 | 315 | A86 | C5-C6 | 2.09 | 1.40 | 1.35 |
| 30 | A | 813 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 39 | 15 | 318 | DD6 | O1-C20 | 2.09 | 1.49 | 1.46 |
| 38 | 10 | 310 | KC1 | C4D-CHA | 2.09 | 1.47 | 1.45 |
| 30 | 5 | 302 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 33 | 2u | 201 | BCR | C33-C5 | -2.09 | 1.47 | 1.50 |
| 30 | 15 | 307 | CLA | C1C-NC | -2.09 | 1.34 | 1.37 |
| 30 | 4 | 301 | CLA | CBD-CAD | -2.09 | 1.47 | 1.56 |
| 38 | 13 | 311 | KC1 | C4D-CHA | 2.09 | 1.47 | 1.45 |
| 30 | 6 | 306 | CLA | C1C-C2C | 2.09 | 1.48 | 1.44 |
| 30 | B | 812 | CLA | C4B-CHC | 2.09 | 1.46 | 1.41 |
| 37 | 15 | 323 | A86 | O4-C34 | -2.08 | 1.41 | 1.46 |
| 30 | B | 821 | CLA | CBD-CAD | -2.08 | 1.47 | 1.56 |
| 30 | 5 | 307 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 7 | 309 | CLA | C4B-CHC | 2.08 | 1.46 | 1.41 |
| 38 | 12 | 311 | KC1 | C4A-C3A | 2.08 | 1.48 | 1.44 |
| 30 | B | 837 | CLA | C1C-NC | -2.08 | 1.34 | 1.37 |
| 30 | B | 802 | CLA | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 30 | B | 823 | CLA | CBD-CAD | -2.08 | 1.47 | 1.56 |
| 30 | A | 832 | CLA | C4B-CHC | 2.08 | 1.46 | 1.41 |
| 30 | 5 | 309 | CLA | C1B-CHB | 2.08 | 1.46 | 1.41 |
| 30 | B | 807 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 6 | 315 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 10 | 304 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 6 | 307 | CLA | C4B-CHC | 2.08 | 1.46 | 1.41 |
| 38 | 12 | 309 | KC1 | C4C-C3C | 2.08 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 2 | 310 | CLA | C1B-CHB | 2.08 | 1.46 | 1.41 |
| 30 | A | 824 | CLA | CBD-CAD | -2.08 | 1.47 | 1.56 |
| 30 | 8 | 305 | CLA | C1B-CHB | 2.08 | 1.46 | 1.41 |
| 30 | 15 | 313 | CLA | C1B-CHB | 2.08 | 1.46 | 1.41 |
| 30 | B | 814 | CLA | C4B-CHC | 2.08 | 1.46 | 1.41 |
| 30 | 15 | 307 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 37 | 4 | 314 | A86 | C5-C6 | 2.08 | 1.40 | 1.35 |
| 30 | 3 | 305 | CLA | C1A-CHA | 2.08 | 1.51 | 1.43 |
| 30 | A | 831 | CLA | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 30 | A | 840 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | A | 835 | CLA | C1C-NC | -2.08 | 1.34 | 1.37 |
| 30 | 12 | 302 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 6 | 314 | CLA | C4B-CHC | 2.08 | 1.46 | 1.41 |
| 38 | 12 | 305 | KC1 | C4D-CHA | 2.08 | 1.47 | 1.45 |
| 30 | 3 | 306 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 13 | 307 | CLA | C1B-CHB | 2.08 | 1.46 | 1.41 |
| 38 | 10 | 312 | KC1 | C4C-C3C | 2.08 | 1.48 | 1.45 |
| 30 | F | 203 | CLA | C1C-C2C | 2.08 | 1.48 | 1.44 |
| 30 | 11 | 310 | CLA | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 38 | 8 | 307 | KC1 | C4A-C3A | 2.07 | 1.48 | 1.44 |
| 38 | 4 | 310 | KC1 | C1D-CHD | 2.07 | 1.46 | 1.41 |
| 37 | 12 | 314 | A86 | O4-C34 | -2.07 | 1.41 | 1.46 |
| 30 | 16 | 306 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 38 | 9 | 311 | KC1 | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 38 | 9 | 312 | KC1 | C4D-ND | 2.07 | 1.38 | 1.35 |
| 30 | 5 | 303 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 30 | 12 | 307 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 37 | 9 | 313 | A86 | C24-C1 | 2.07 | 1.50 | 1.46 |
| 30 | A | 833 | CLA | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 30 | 1 | 302 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 38 | 8 | 307 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 30 | 3 | 301 | CLA | C4B-CHC | 2.07 | 1.46 | 1.41 |
| 30 | B | 836 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 37 | 8 | 315 | A86 | C26-C27 | 2.07 | 1.40 | 1.35 |
| 30 | 10 | 305 | CLA | C4B-CHC | 2.07 | 1.46 | 1.41 |
| 37 | 9 | 316 | A86 | O4-C34 | -2.07 | 1.41 | 1.46 |
| 38 | 6 | 313 | KC1 | C4D-ND | 2.07 | 1.38 | 1.35 |
| 30 | 4 | 311 | CLA | C1C-NC | -2.07 | 1.34 | 1.37 |
| 38 | 14 | 311 | KC1 | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 30 | 5 | 304 | CLA | C3D-C4D | -2.07 | 1.39 | 1.44 |
| 37 | 14 | 317 | A86 | C15-C16 | -2.07 | 1.52 | 1.55 |
| 30 | 4 | 309 | CLA | C1C-C2C | 2.07 | 1.48 | 1.44 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 6 | 308 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 30 | B | 834 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 30 | 13 | 301 | CLA | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 30 | A | 824 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 30 | 5 | 304 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 38 | 2 | 306 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 39 | 6 | 318 | DD6 | O1-C20 | 2.07 | 1.48 | 1.46 |
| 30 | 4 | 303 | CLA | C1B-CHB | 2.07 | 1.46 | 1.41 |
| 30 | 8 | 304 | CLA | C4B-CHC | 2.07 | 1.46 | 1.41 |
| 37 | 14 | 315 | A86 | C5-C6 | 2.07 | 1.40 | 1.35 |
| 30 | A | 828 | CLA | C4B-CHC | 2.07 | 1.46 | 1.41 |
| 30 | A | 802 | CLA | C1C-NC | -2.07 | 1.34 | 1.37 |
| 38 | 12 | 313 | KC1 | C4D-ND | 2.07 | 1.38 | 1.35 |
| 30 | 9 | 305 | CLA | C4C-C3C | 2.07 | 1.48 | 1.45 |
| 38 | 6 | 313 | KC1 | C1C-C2C | 2.07 | 1.48 | 1.44 |
| 30 | 2 | 301 | CLA | C4B-CHC | 2.06 | 1.46 | 1.41 |
| 30 | B | 804 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 30 | 7 | 306 | CLA | C1A-CHA | 2.06 | 1.51 | 1.43 |
| 38 | 16 | 311 | KC1 | CAA-C2A | 2.06 | 1.52 | 1.46 |
| 38 | 13 | 308 | KC1 | C4D-ND | 2.06 | 1.38 | 1.35 |
| 30 | A | 827 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 30 | 15 | 308 | CLA | C3D-C4D | -2.06 | 1.39 | 1.44 |
| 30 | 9 | 307 | CLA | CBD-CAD | -2.06 | 1.47 | 1.56 |
| 30 | B | 803 | CLA | C1A-CHA | 2.06 | 1.51 | 1.43 |
| 30 | B | 804 | CLA | C1A-CHA | 2.06 | 1.51 | 1.43 |
| 38 | 8 | 310 | KC1 | C4D-CHA | 2.06 | 1.47 | 1.45 |
| 38 | 3 | 308 | KC1 | C4D-ND | 2.06 | 1.38 | 1.35 |
| 38 | 5 | 312 | KC1 | C4D-ND | 2.06 | 1.38 | 1.35 |
| 30 | B | 828 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 30 | A | 841 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 30 | 7 | 310 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 30 | A | 821 | CLA | C4B-CHC | 2.06 | 1.46 | 1.41 |
| 30 | B | 836 | CLA | CBD-CAD | -2.06 | 1.47 | 1.56 |
| 30 | 14 | 307 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 30 | 2u | 202 | CLA | C1C-NC | -2.06 | 1.34 | 1.37 |
| 30 | 3 | 305 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 30 | A | 829 | CLA | CBD-CAD | -2.06 | 1.47 | 1.56 |
| 30 | B | 816 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 30 | 9 | 309 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 30 | A | 834 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 30 | 12 | 308 | CLA | C1C-NC | -2.06 | 1.34 | 1.37 |
| 33 | B | 844 | BCR | C33-C5 | -2.06 | 1.47 | 1.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | A | 809 | CLA | C1A-CHA | 2.06 | 1.51 | 1.43 |
| 38 | 1 | 308 | KC1 | C4D-CHA | 2.06 | 1.47 | 1.45 |
| 30 | F | 203 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 36 | 3 | 317 | LMG | O6-C1 | 2.06 | 1.47 | 1.41 |
| 30 | B | 811 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 30 | B | 828 | CLA | C4B-CHC | 2.06 | 1.46 | 1.41 |
| 38 | 3 | 311 | KC1 | C1D-CHD | 2.06 | 1.46 | 1.41 |
| 30 | 13 | 303 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 30 | 6 | 314 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 30 | 3 | 310 | CLA | C1B-CHB | 2.06 | 1.46 | 1.41 |
| 38 | 3 | 308 | KC1 | C4D-CHA | 2.06 | 1.47 | 1.45 |
| 30 | 2 | 310 | CLA | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 38 | 3 | 304 | KC1 | CBD-CAD | -2.06 | 1.47 | 1.56 |
| 37 | 14 | 318 | A86 | O4-C34 | -2.06 | 1.41 | 1.46 |
| 38 | 7 | 313 | KC1 | C4A-C3A | 2.06 | 1.48 | 1.44 |
| 30 | A | 820 | CLA | CBD-CAD | -2.06 | 1.47 | 1.56 |
| 30 | 4 | 304 | CLA | C1C-C2C | 2.06 | 1.48 | 1.44 |
| 38 | 6 | 312 | KC1 | C4C-C3C | 2.06 | 1.48 | 1.45 |
| 30 | 9 | 309 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 37 | 15 | 321 | A86 | C5-C6 | 2.05 | 1.40 | 1.35 |
| 30 | A | 810 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 30 | 4 | 301 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 30 | B | 825 | CLA | C1C-C2C | 2.05 | 1.48 | 1.44 |
| 30 | 9 | 301 | CLA | CBD-CAD | -2.05 | 1.47 | 1.56 |
| 37 | 7 | 316 | A86 | C20-C15 | 2.05 | 1.50 | 1.48 |
| 39 | 2 | 316 | DD6 | C41-C32 | -2.05 | 1.49 | 1.53 |
| 30 | 7 | 307 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 30 | 5 | 308 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 37 | 11 | 316 | A86 | C5-C6 | 2.05 | 1.40 | 1.35 |
| 38 | 6 | 311 | KC1 | CBD-CAD | -2.05 | 1.47 | 1.56 |
| 36 | 14 | 321 | LMG | O1-C7 | -2.05 | 1.40 | 1.43 |
| 38 | 1 | 308 | KC1 | C3B-C4B | 2.05 | 1.49 | 1.46 |
| 30 | 15 | 303 | CLA | CBD-CAD | -2.05 | 1.47 | 1.56 |
| 30 | A | 826 | CLA | C1A-CHA | 2.05 | 1.51 | 1.43 |
| 30 | 12 | 321 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 30 | 12 | 306 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 30 | 9 | 301 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 38 | 2 | 306 | KC1 | C1D-CHD | 2.05 | 1.46 | 1.41 |
| 30 | A | 838 | CLA | C1C-C2C | 2.05 | 1.48 | 1.44 |
| 30 | A | 827 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 30 | 16 | 308 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 38 | 13 | 308 | KC1 | C1D-CHD | 2.05 | 1.46 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 10 | 312 | KC1 | C1C-C2C | 2.05 | 1.48 | 1.44 |
| 39 | 2 | 317 | DD6 | C22-C16 | -2.05 | 1.49 | 1.53 |
| 37 | 10 | 315 | A86 | C5-C6 | 2.05 | 1.40 | 1.35 |
| 30 | 7 | 304 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 39 | 4 | 313 | DD6 | C15-C14 | 2.05 | 1.54 | 1.50 |
| 30 | F | 201 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 38 | 6 | 313 | KC1 | CAA-C2A | 2.05 | 1.52 | 1.46 |
| 30 | B | 818 | CLA | C4B-CHC | 2.05 | 1.46 | 1.41 |
| 30 | B | 812 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 30 | B | 809 | CLA | CBD-CAD | -2.05 | 1.47 | 1.56 |
| 30 | 12 | 312 | CLA | C1C-C2C | 2.05 | 1.48 | 1.44 |
| 30 | B | 807 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 30 | 11 | 309 | CLA | C1C-NC | -2.05 | 1.34 | 1.37 |
| 38 | 9 | 304 | KC1 | C4D-ND | 2.05 | 1.38 | 1.35 |
| 30 | 5 | 302 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 30 | 2 | 304 | CLA | C4C-C3C | 2.05 | 1.48 | 1.45 |
| 30 | 16 | 303 | CLA | C1B-CHB | 2.05 | 1.46 | 1.41 |
| 38 | 5 | 306 | KC1 | C1D-CHD | 2.05 | 1.46 | 1.41 |
| 38 | 16 | 304 | KC1 | C4D-CHA | 2.05 | 1.47 | 1.45 |
| 30 | B | 806 | CLA | CBD-CAD | -2.05 | 1.47 | 1.56 |
| 38 | 11 | 311 | KC1 | C4D-CHA | 2.04 | 1.47 | 1.45 |
| 30 | 15 | 314 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 30 | B | 832 | CLA | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 39 | 1 | 310 | DD6 | C22-C16 | -2.04 | 1.49 | 1.53 |
| 36 | 8 | 321 | LMG | C4-C3 | 2.04 | 1.57 | 1.52 |
| 30 | B | 833 | CLA | C1A-CHA | 2.04 | 1.51 | 1.43 |
| 30 | A | 835 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 30 | B | 804 | CLA | CBD-CAD | -2.04 | 1.47 | 1.56 |
| 30 | A | 811 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 38 | 9 | 311 | KC1 | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 30 | A | 833 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 30 | B | 826 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 30 | 1 | 307 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 30 | A | 833 | CLA | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 30 | A | 812 | CLA | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 38 | 9 | 310 | KC1 | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 39 | 13 | 314 | DD6 | C35-C36 | 2.04 | 1.54 | 1.51 |
| 30 | 5 | 303 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 30 | 3 | 307 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 30 | 6 | 317 | CLA | C1A-CHA | 2.04 | 1.51 | 1.43 |
| 30 | B | 831 | CLA | CBD-CAD | -2.04 | 1.47 | 1.56 |
| 30 | A | 804 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 4 | 310 | KC1 | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 30 | 8 | 303 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 37 | 5 | 316 | A86 | O4-C34 | -2.04 | 1.41 | 1.46 |
| 30 | A | 815 | CLA | CBD-CAD | -2.04 | 1.47 | 1.56 |
| 30 | B | 828 | CLA | CBD-CAD | -2.04 | 1.47 | 1.56 |
| 38 | 8 | 313 | KC1 | C4D-CHA | 2.04 | 1.47 | 1.45 |
| 30 | 11 | 306 | CLA | CBD-CAD | -2.04 | 1.47 | 1.56 |
| 30 | B | 827 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 30 | 14 | 312 | CLA | C1B-CHB | 2.04 | 1.46 | 1.41 |
| 30 | 9 | 303 | CLA | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 38 | 2 | 312 | KC1 | C1C-C2C | 2.04 | 1.48 | 1.44 |
| 30 | A | 816 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 30 | A | 816 | CLA | C4C-C3C | 2.04 | 1.48 | 1.45 |
| 37 | 7 | 319 | A86 | C5-C6 | 2.04 | 1.40 | 1.35 |
| 30 | A | 843 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 39 | 2 | 316 | DD6 | O1-C20 | 2.04 | 1.48 | 1.46 |
| 38 | 14 | 306 | KC1 | C4D-CHA | 2.04 | 1.47 | 1.45 |
| 30 | A | 810 | CLA | C4B-CHC | 2.04 | 1.46 | 1.41 |
| 30 | 16 | 306 | CLA | C1C-NC | -2.04 | 1.34 | 1.37 |
| 30 | A | 821 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 37 | 11 | 316 | A86 | C39-C38 | 2.03 | 1.56 | 1.49 |
| 39 | 3 | 313 | DD6 | C35-C36 | 2.03 | 1.54 | 1.51 |
| 30 | A | 843 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 30 | A | 822 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | 16 | 305 | CLA | C1A-CHA | 2.03 | 1.51 | 1.43 |
| 30 | 3 | 310 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 30 | B | 823 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 30 | 4 | 302 | CLA | C1A-CHA | 2.03 | 1.51 | 1.43 |
| 30 | 3 | 303 | CLA | C1A-CHA | 2.03 | 1.51 | 1.43 |
| 37 | 11 | 315 | A86 | C39-C38 | 2.03 | 1.56 | 1.49 |
| 30 | 2 | 307 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 30 | 8 | 302 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 38 | 5 | 305 | KC1 | C4D-CHA | 2.03 | 1.47 | 1.45 |
| 30 | A | 809 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | B | 823 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 38 | 9 | 311 | KC1 | C2A-C1A | 2.03 | 1.50 | 1.44 |
| 30 | 7 | 312 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 30 | 10 | 307 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 37 | 8 | 315 | A86 | C14-C15 | 2.03 | 1.56 | 1.52 |
| 30 | A | 830 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 37 | 8 | 315 | A86 | C39-C38 | 2.03 | 1.56 | 1.49 |
| 36 | 8 | 321 | LMG | O7-C8 | -2.03 | 1.41 | 1.46 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 37 | 14 | 316 | A86 | O4-C34 | -2.03 | 1.41 | 1.46 |
| 38 | 11 | 305 | KC1 | C4D-ND | 2.03 | 1.38 | 1.35 |
| 30 | B | 823 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 37 | 10 | 315 | A86 | C39-C38 | 2.03 | 1.56 | 1.49 |
| 30 | B | 819 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | B | 805 | CLA | C4B-CHC | 2.03 | 1.46 | 1.41 |
| 30 | 4 | 302 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 30 | A | 817 | CLA | C4C-C3C | 2.03 | 1.48 | 1.45 |
| 30 | A | 841 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 38 | 13 | 311 | KC1 | C1D-CHD | 2.03 | 1.46 | 1.41 |
| 30 | 10 | 305 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 30 | B | 811 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 38 | 7 | 308 | KC1 | C3B-C4B | 2.03 | 1.49 | 1.46 |
| 30 | B | 808 | CLA | C4B-CHC | 2.03 | 1.46 | 1.41 |
| 38 | 14 | 306 | KC1 | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 37 | 15 | 317 | A86 | O4-C34 | -2.03 | 1.41 | 1.46 |
| 37 | 15 | 320 | A86 | O4-C34 | -2.03 | 1.41 | 1.46 |
| 39 | 5 | 313 | DD6 | C35-C36 | 2.03 | 1.54 | 1.51 |
| 30 | B | 833 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 30 | 12 | 303 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 30 | A | 803 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 37 | 14 | 301 | A86 | O4-C34 | -2.03 | 1.41 | 1.46 |
| 30 | 8 | 302 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | 11 | 304 | CLA | C1B-CHB | 2.03 | 1.46 | 1.41 |
| 37 | 2u | 205 | A86 | C5-C6 | 2.03 | 1.40 | 1.35 |
| 38 | 8 | 314 | KC1 | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | A | 834 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 38 | 9 | 312 | KC1 | C1D-CHD | 2.03 | 1.46 | 1.41 |
| 37 | 1 | 309 | A86 | C5-C6 | 2.03 | 1.40 | 1.35 |
| 38 | 10 | 312 | KC1 | C1D-CHD | 2.03 | 1.46 | 1.41 |
| 30 | 12 | 303 | CLA | C1C-NC | -2.03 | 1.34 | 1.37 |
| 38 | 13 | 306 | KC1 | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 30 | 12 | 321 | CLA | CBD-CAD | -2.03 | 1.47 | 1.56 |
| 30 | 3 | 305 | CLA | C1C-C2C | 2.03 | 1.48 | 1.44 |
| 30 | 15 | 308 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 30 | 5 | 309 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | 7 | 311 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | B | 816 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | A | 841 | CLA | C1C-NC | -2.02 | 1.34 | 1.37 |
| 37 | 11 | 315 | A86 | O4-C34 | -2.02 | 1.41 | 1.46 |
| 30 | L | 203 | CLA | C4C-C3C | 2.02 | 1.48 | 1.45 |
| 30 | 9 | 307 | CLA | C4C-C3C | 2.02 | 1.48 | 1.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 2 | 312 | KC1 | C3B-C4B | 2.02 | 1.49 | 1.46 |
| 30 | A | 805 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | 7 | 307 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | 12 | 304 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 38 | 3 | 308 | KC1 | C1B-C2B | 2.02 | 1.49 | 1.45 |
| 33 | B | 846 | BCR | C38-C26 | -2.02 | 1.47 | 1.50 |
| 30 | 9 | 305 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 38 | 12 | 305 | KC1 | C4D-ND | 2.02 | 1.38 | 1.35 |
| 30 | A | 843 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | 16 | 308 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 38 | 11 | 305 | KC1 | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 38 | 11 | 311 | KC1 | C1D-CHD | 2.02 | 1.46 | 1.41 |
| 38 | 10 | 312 | KC1 | C4D-ND | 2.02 | 1.38 | 1.35 |
| 30 | A | 818 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | 3 | 307 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | B | 817 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | 6 | 304 | CLA | C1C-NC | -2.02 | 1.34 | 1.37 |
| 30 | 2u | 202 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 37 | 5 | 315 | A86 | C5-C6 | 2.02 | 1.40 | 1.35 |
| 30 | 16 | 305 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 38 | 10 | 310 | KC1 | C4D-ND | 2.02 | 1.38 | 1.35 |
| 30 | A | 840 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 30 | B | 832 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | B | 816 | CLA | C4B-CHC | 2.02 | 1.46 | 1.41 |
| 30 | 16 | 306 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | A | 832 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | 3 | 306 | CLA | C4C-C3C | 2.02 | 1.48 | 1.45 |
| 30 | 7 | 311 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 38 | 7 | 308 | KC1 | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | B | 837 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 38 | 8 | 314 | KC1 | C3B-C4B | 2.02 | 1.49 | 1.46 |
| 30 | A | 840 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | 1 | 305 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 30 | 16 | 305 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 30 | 15 | 306 | CLA | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | B | 809 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 39 | 7 | 318 | DD6 | C35-C36 | 2.02 | 1.54 | 1.51 |
| 30 | B | 804 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 30 | 7 | 305 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 38 | 8 | 314 | KC1 | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | B | 839 | CLA | C1C-NC | -2.02 | 1.34 | 1.37 |
| 30 | 8 | 309 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 30 | 15 | 307 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 30 | A | 833 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 30 | 12 | 306 | CLA | C1B-CHB | 2.02 | 1.46 | 1.41 |
| 38 | 3 | 308 | KC1 | C1C-C2C | 2.02 | 1.48 | 1.44 |
| 30 | 15 | 306 | CLA | C1A-CHA | 2.02 | 1.51 | 1.43 |
| 30 | A | 819 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 30 | A | 806 | CLA | CBD-CAD | -2.02 | 1.47 | 1.56 |
| 39 | 2 | 317 | DD6 | C35-C36 | 2.01 | 1.54 | 1.51 |
| 37 | 8 | 318 | A86 | C2-C1 | 2.01 | 1.40 | 1.35 |
| 38 | 9 | 312 | KC1 | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | 13 | 307 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 30 | A | 813 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 38 | 13 | 305 | KC1 | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | A | 827 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 38 | 14 | 306 | KC1 | C1D-CHD | 2.01 | 1.46 | 1.41 |
| 30 | J | 101 | CLA | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | B | 830 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 30 | 6 | 316 | CLA | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | 4 | 304 | CLA | CBD-CAD | -2.01 | 1.47 | 1.56 |
| 30 | 3 | 310 | CLA | C1C-NC | -2.01 | 1.34 | 1.37 |
| 30 | B | 802 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 30 | 1 | 301 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 30 | 8 | 302 | CLA | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | A | 806 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 38 | 12 | 309 | KC1 | CBD-CAD | -2.01 | 1.47 | 1.56 |
| 38 | 12 | 309 | KC1 | C4D-ND | 2.01 | 1.38 | 1.35 |
| 30 | B | 814 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 38 | 12 | 309 | KC1 | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 39 | 12 | 317 | DD6 | C41-C32 | -2.01 | 1.50 | 1.53 |
| 30 | B | 838 | CLA | C4C-C3C | 2.01 | 1.48 | 1.45 |
| 30 | 6 | 305 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 30 | A | 820 | CLA | C1C-NC | -2.01 | 1.34 | 1.37 |
| 30 | 5 | 303 | CLA | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 30 | 13 | 301 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 38 | 2 | 312 | KC1 | C4D-ND | 2.01 | 1.38 | 1.35 |
| 29 | A | 801 | CL0 | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 37 | 12 | 316 | A86 | C15-C16 | -2.01 | 1.52 | 1.55 |
| 38 | 3 | 304 | KC1 | C3B-C4B | 2.01 | 1.49 | 1.46 |
| 30 | 15 | 308 | CLA | C1B-CHB | 2.01 | 1.46 | 1.41 |
| 38 | 7 | 308 | KC1 | C4D-CHA | 2.01 | 1.47 | 1.45 |
| 30 | 13 | 309 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 30 | B | 826 | CLA | CBD-CAD | -2.01 | 1.47 | 1.56 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|---------|-------|-------------|----------|
| 38 | 3 | 304 | KC1 | C1D-CHD | 2.01 | 1.46 | 1.41 |
| 38 | 10 | 310 | KC1 | C1D-CHD | 2.01 | 1.46 | 1.41 |
| 38 | 13 | 305 | KC1 | C1D-CHD | 2.01 | 1.46 | 1.41 |
| 30 | 9 | 305 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 30 | 6 | 304 | CLA | C1C-C2C | 2.01 | 1.48 | 1.44 |
| 33 | L | 201 | BCR | C33-C5 | -2.01 | 1.47 | 1.50 |
| 30 | A | 827 | CLA | CBD-CAD | -2.01 | 1.47 | 1.56 |
| 30 | 16 | 301 | CLA | C1A-CHA | 2.01 | 1.51 | 1.43 |
| 38 | 11 | 312 | KC1 | CBD-CAD | -2.00 | 1.47 | 1.56 |
| 30 | 2u | 202 | CLA | C1C-C2C | 2.00 | 1.48 | 1.44 |
| 30 | B | 834 | CLA | CBD-CAD | -2.00 | 1.47 | 1.56 |
| 37 | 3 | 315 | A86 | C5-C6 | 2.00 | 1.40 | 1.35 |
| 30 | J | 101 | CLA | C1C-NC | -2.00 | 1.34 | 1.37 |
| 30 | 6 | 307 | CLA | C1B-CHB | 2.00 | 1.46 | 1.41 |
| 38 | 1 | 308 | KC1 | C1D-CHD | 2.00 | 1.46 | 1.41 |
| 39 | 7 | 314 | DD6 | C22-C16 | -2.00 | 1.50 | 1.53 |
| 37 | 14 | 320 | A86 | C39-C38 | 2.00 | 1.56 | 1.49 |
| 30 | 6 | 305 | CLA | C1C-C2C | 2.00 | 1.48 | 1.44 |
| 39 | 15 | 319 | DD6 | O1-C20 | 2.00 | 1.48 | 1.46 |
| 30 | 9 | 306 | CLA | C1A-CHA | 2.00 | 1.51 | 1.43 |
| 30 | B | 851 | CLA | C1B-CHB | 2.00 | 1.46 | 1.41 |
| 30 | A | 802 | CLA | C4C-C3C | 2.00 | 1.48 | 1.45 |
| 38 | 2 | 312 | KC1 | C4D-CHA | 2.00 | 1.47 | 1.45 |
| 30 | A | 825 | CLA | C1B-CHB | 2.00 | 1.46 | 1.41 |
| 30 | A | 811 | CLA | CBD-CAD | -2.00 | 1.47 | 1.56 |
| 30 | 3 | 303 | CLA | C1B-CHB | 2.00 | 1.46 | 1.41 |
| 30 | 6 | 306 | CLA | C1A-CHA | 2.00 | 1.51 | 1.43 |

All (9694) bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 37 | 14 | 315 | A86 | O1-C20-C19 | 46.49 | 157.06 | 113.49 |
| 37 | 14 | 317 | A86 | O1-C20-C19 | 45.77 | 156.39 | 113.49 |
| 37 | 15 | 321 | A86 | O1-C20-C19 | 45.61 | 156.24 | 113.49 |
| 37 | 8 | 318 | A86 | O1-C20-C19 | 45.45 | 156.09 | 113.49 |
| 37 | 4 | 312 | A86 | O1-C20-C19 | 45.21 | 155.87 | 113.49 |
| 37 | 16 | 314 | A86 | O1-C20-C19 | 44.96 | 155.63 | 113.49 |
| 37 | 1 | 309 | A86 | O1-C20-C19 | 44.92 | 155.59 | 113.49 |
| 37 | 11 | 314 | A86 | O1-C20-C19 | 44.72 | 155.41 | 113.49 |
| 37 | 13 | 315 | A86 | O1-C20-C19 | 44.70 | 155.39 | 113.49 |
| 37 | 8 | 315 | A86 | O1-C20-C19 | 44.70 | 155.38 | 113.49 |
| 37 | 14 | 318 | A86 | O1-C20-C19 | 44.70 | 155.38 | 113.49 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|------------|-------|-------------|----------|
| 37 | 15 | 317 | A86 | O1-C20-C19 | 44.52 | 155.22 | 113.49 |
| 37 | 13 | 313 | A86 | O1-C20-C19 | 44.40 | 155.10 | 113.49 |
| 37 | 9 | 316 | A86 | O1-C20-C19 | 44.39 | 155.10 | 113.49 |
| 37 | 15 | 323 | A86 | O1-C20-C19 | 44.28 | 154.99 | 113.49 |
| 37 | 5 | 315 | A86 | O1-C20-C19 | 44.02 | 154.75 | 113.49 |
| 37 | 12 | 316 | A86 | O1-C20-C19 | 43.99 | 154.72 | 113.49 |
| 37 | 15 | 322 | A86 | O1-C20-C19 | 43.86 | 154.60 | 113.49 |
| 37 | 3 | 315 | A86 | O1-C20-C19 | 43.72 | 154.47 | 113.49 |
| 37 | 11 | 316 | A86 | O1-C20-C19 | 43.50 | 154.26 | 113.49 |
| 37 | 14 | 319 | A86 | O1-C20-C19 | 43.41 | 154.18 | 113.49 |
| 37 | 10 | 315 | A86 | O1-C20-C19 | 43.38 | 154.15 | 113.49 |
| 37 | 2 | 302 | A86 | O1-C20-C19 | 43.37 | 154.14 | 113.49 |
| 37 | 10 | 302 | A86 | O1-C20-C19 | 43.35 | 154.12 | 113.49 |
| 37 | 15 | 320 | A86 | O1-C20-C19 | 43.29 | 154.06 | 113.49 |
| 37 | 10 | 317 | A86 | O1-C20-C19 | 43.06 | 153.85 | 113.49 |
| 37 | 2u | 203 | A86 | O1-C20-C19 | 42.89 | 153.69 | 113.49 |
| 37 | 7 | 319 | A86 | O1-C20-C19 | 42.88 | 153.68 | 113.49 |
| 37 | 14 | 301 | A86 | O1-C20-C19 | 42.72 | 153.53 | 113.49 |
| 37 | 14 | 316 | A86 | O1-C20-C19 | 42.67 | 153.48 | 113.49 |
| 37 | 11 | 301 | A86 | O1-C20-C19 | 42.63 | 153.45 | 113.49 |
| 37 | 4 | 314 | A86 | O1-C20-C19 | 42.62 | 153.44 | 113.49 |
| 37 | 12 | 314 | A86 | O1-C20-C19 | 42.50 | 153.32 | 113.49 |
| 37 | 14 | 314 | A86 | O1-C20-C19 | 42.45 | 153.28 | 113.49 |
| 37 | 10 | 316 | A86 | O1-C20-C19 | 42.29 | 153.13 | 113.49 |
| 37 | 3 | 314 | A86 | O1-C20-C19 | 41.84 | 152.71 | 113.49 |
| 37 | 5 | 316 | A86 | O1-C20-C19 | 41.81 | 152.68 | 113.49 |
| 37 | 16 | 312 | A86 | O1-C20-C19 | 41.43 | 152.32 | 113.49 |
| 37 | 4 | 315 | A86 | O1-C20-C19 | 41.30 | 152.20 | 113.49 |
| 37 | 15 | 315 | A86 | O1-C20-C19 | 41.19 | 152.09 | 113.49 |
| 37 | 5 | 301 | A86 | O1-C20-C19 | 41.17 | 152.08 | 113.49 |
| 37 | 15 | 316 | A86 | O1-C20-C19 | 40.96 | 151.88 | 113.49 |
| 37 | 7 | 315 | A86 | O1-C20-C19 | 40.15 | 151.12 | 113.49 |
| 37 | 7 | 316 | A86 | O1-C20-C19 | 39.44 | 150.45 | 113.49 |
| 37 | 4 | 317 | A86 | O1-C20-C19 | 38.97 | 150.01 | 113.49 |
| 37 | 2 | 319 | A86 | O1-C20-C19 | 38.95 | 150.00 | 113.49 |
| 37 | 2 | 318 | A86 | O1-C20-C19 | 38.87 | 149.92 | 113.49 |
| 37 | 9 | 313 | A86 | O1-C20-C19 | 38.48 | 149.56 | 113.49 |
| 37 | 11 | 315 | A86 | O1-C20-C19 | 37.90 | 149.01 | 113.49 |
| 37 | 2u | 205 | A86 | O1-C20-C19 | 37.25 | 148.40 | 113.49 |
| 37 | 9 | 315 | A86 | O1-C20-C19 | 36.17 | 147.39 | 113.49 |
| 37 | 14 | 320 | A86 | O1-C20-C19 | 35.88 | 147.12 | 113.49 |
| 37 | 10 | 301 | A86 | O1-C20-C19 | 35.78 | 147.02 | 113.49 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 37 | 6 | 320 | A86 | O1-C20-C19 | 34.50 | 145.83 | 113.49 |
| 37 | 8 | 318 | A86 | C-C1-C2 | -28.50 | 76.65 | 122.82 |
| 37 | 8 | 318 | A86 | C-C1-C24 | -27.51 | 76.06 | 118.09 |
| 39 | 9 | 314 | DD6 | O1-C20-C19 | 27.45 | 139.22 | 113.49 |
| 39 | 4 | 316 | DD6 | O1-C20-C19 | 27.12 | 138.91 | 113.49 |
| 39 | 7 | 314 | DD6 | O1-C20-C19 | 26.76 | 138.57 | 113.49 |
| 39 | 13 | 314 | DD6 | O1-C20-C19 | 26.02 | 137.88 | 113.49 |
| 39 | 5 | 314 | DD6 | O1-C20-C19 | 25.55 | 137.44 | 113.49 |
| 39 | 8 | 317 | DD6 | O1-C20-C19 | 25.36 | 137.26 | 113.49 |
| 39 | 5 | 313 | DD6 | O1-C20-C19 | 24.93 | 136.85 | 113.49 |
| 39 | 12 | 317 | DD6 | O1-C20-C19 | 24.79 | 136.72 | 113.49 |
| 39 | 2 | 315 | DD6 | O1-C20-C19 | 24.79 | 136.72 | 113.49 |
| 39 | 16 | 313 | DD6 | O1-C20-C19 | 24.32 | 136.29 | 113.49 |
| 39 | 15 | 318 | DD6 | O1-C20-C19 | 24.29 | 136.26 | 113.49 |
| 39 | 10 | 313 | DD6 | O1-C20-C19 | 24.22 | 136.19 | 113.49 |
| 39 | 12 | 315 | DD6 | O1-C20-C19 | 24.03 | 136.01 | 113.49 |
| 39 | 2 | 316 | DD6 | O1-C20-C19 | 23.99 | 135.97 | 113.49 |
| 39 | 3 | 312 | DD6 | O1-C20-C19 | 23.90 | 135.89 | 113.49 |
| 39 | 3 | 316 | DD6 | O1-C20-C19 | 23.85 | 135.84 | 113.49 |
| 39 | 6 | 303 | DD6 | O1-C20-C19 | 23.73 | 135.73 | 113.49 |
| 39 | 8 | 316 | DD6 | O1-C20-C19 | 23.55 | 135.56 | 113.49 |
| 39 | 4 | 313 | DD6 | O1-C20-C19 | 23.33 | 135.35 | 113.49 |
| 39 | 6 | 319 | DD6 | O1-C20-C19 | 23.24 | 135.27 | 113.49 |
| 39 | 7 | 318 | DD6 | O1-C20-C19 | 22.81 | 134.87 | 113.49 |
| 39 | 11 | 313 | DD6 | O1-C20-C19 | 22.67 | 134.74 | 113.49 |
| 39 | 7 | 302 | DD6 | O1-C20-C19 | 22.53 | 134.61 | 113.49 |
| 39 | 10 | 314 | DD6 | O1-C20-C19 | 22.52 | 134.59 | 113.49 |
| 39 | 3 | 313 | DD6 | O1-C20-C19 | 22.31 | 134.40 | 113.49 |
| 39 | 1 | 310 | DD6 | O1-C20-C19 | 22.26 | 134.36 | 113.49 |
| 39 | 15 | 319 | DD6 | O1-C20-C19 | 21.99 | 134.10 | 113.49 |
| 39 | 6 | 321 | DD6 | O1-C20-C19 | 21.79 | 133.91 | 113.49 |
| 39 | 6 | 318 | DD6 | O1-C20-C19 | 21.68 | 133.81 | 113.49 |
| 39 | 2 | 317 | DD6 | O1-C20-C19 | 21.41 | 133.56 | 113.49 |
| 37 | 8 | 318 | A86 | C24-C1-C2 | 21.38 | 152.64 | 119.01 |
| 30 | 8 | 305 | CLA | C4-C3-C5 | -21.11 | 78.59 | 115.23 |
| 39 | 7 | 317 | DD6 | O1-C20-C19 | 20.89 | 133.07 | 113.49 |
| 30 | 2 | 310 | CLA | C4-C3-C5 | -20.03 | 80.47 | 115.23 |
| 30 | B | 824 | CLA | C4-C3-C5 | -19.78 | 80.90 | 115.23 |
| 38 | 12 | 313 | KC1 | C2A-C3A-C4A | -19.60 | 91.70 | 106.41 |
| 30 | 2 | 310 | CLA | C5-C3-C2 | 17.77 | 161.05 | 121.17 |
| 39 | 3 | 312 | DD6 | C29-C30-C31 | -17.55 | 134.61 | 175.48 |
| 30 | B | 824 | CLA | C5-C3-C2 | 17.46 | 160.37 | 121.17 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 39 | 15 | 319 | DD6 | C29-C30-C31 | -17.24 | 135.34 | 175.48 |
| 30 | B | 824 | CLA | C4-C3-C2 | -17.16 | 79.57 | 123.63 |
| 30 | 8 | 305 | CLA | C4-C3-C2 | -17.02 | 79.91 | 123.63 |
| 30 | 2 | 310 | CLA | C4-C3-C2 | -16.71 | 80.71 | 123.63 |
| 30 | 8 | 305 | CLA | C5-C3-C2 | 16.61 | 158.46 | 121.17 |
| 39 | 7 | 318 | DD6 | C29-C30-C31 | -16.60 | 136.83 | 175.48 |
| 39 | 12 | 317 | DD6 | C29-C30-C31 | -16.51 | 137.03 | 175.48 |
| 39 | 11 | 313 | DD6 | C29-C30-C31 | -16.19 | 137.79 | 175.48 |
| 39 | 9 | 314 | DD6 | C29-C30-C31 | -16.10 | 137.98 | 175.48 |
| 39 | 15 | 318 | DD6 | C29-C30-C31 | -15.88 | 138.49 | 175.48 |
| 39 | 8 | 317 | DD6 | C29-C30-C31 | -15.83 | 138.61 | 175.48 |
| 39 | 6 | 321 | DD6 | C29-C30-C31 | -15.81 | 138.66 | 175.48 |
| 39 | 5 | 314 | DD6 | C29-C30-C31 | -15.77 | 138.77 | 175.48 |
| 39 | 7 | 314 | DD6 | C29-C30-C31 | -15.70 | 138.92 | 175.48 |
| 39 | 6 | 318 | DD6 | C29-C30-C31 | -15.66 | 139.01 | 175.48 |
| 39 | 16 | 313 | DD6 | C29-C30-C31 | -15.63 | 139.08 | 175.48 |
| 39 | 1 | 310 | DD6 | C29-C30-C31 | -15.60 | 139.17 | 175.48 |
| 39 | 13 | 314 | DD6 | C29-C30-C31 | -15.59 | 139.18 | 175.48 |
| 39 | 5 | 313 | DD6 | C29-C30-C31 | -15.54 | 139.31 | 175.48 |
| 39 | 10 | 314 | DD6 | C29-C30-C31 | -15.49 | 139.41 | 175.48 |
| 39 | 10 | 313 | DD6 | C29-C30-C31 | -15.42 | 139.57 | 175.48 |
| 39 | 12 | 315 | DD6 | C29-C30-C31 | -15.42 | 139.58 | 175.48 |
| 39 | 2 | 316 | DD6 | C29-C30-C31 | -15.28 | 139.89 | 175.48 |
| 39 | 4 | 313 | DD6 | C29-C30-C31 | -14.95 | 140.68 | 175.48 |
| 39 | 3 | 313 | DD6 | C29-C30-C31 | -14.93 | 140.72 | 175.48 |
| 39 | 8 | 316 | DD6 | C29-C30-C31 | -14.90 | 140.78 | 175.48 |
| 39 | 7 | 302 | DD6 | C29-C30-C31 | -14.80 | 141.02 | 175.48 |
| 39 | 4 | 316 | DD6 | C29-C30-C31 | -14.78 | 141.07 | 175.48 |
| 39 | 6 | 319 | DD6 | C29-C30-C31 | -14.49 | 141.73 | 175.48 |
| 38 | 5 | 306 | KC1 | CMA-C3A-C4A | -13.80 | 103.46 | 125.03 |
| 37 | 9 | 313 | A86 | C21-C20-C19 | -13.79 | 98.75 | 114.24 |
| 39 | 3 | 316 | DD6 | C29-C30-C31 | -13.74 | 143.49 | 175.48 |
| 39 | 7 | 317 | DD6 | C29-C30-C31 | -13.71 | 143.55 | 175.48 |
| 37 | 16 | 314 | A86 | O1-C20-C21 | -13.62 | 99.83 | 115.05 |
| 37 | 3 | 315 | A86 | C21-C20-C19 | -13.02 | 99.62 | 114.24 |
| 39 | 2 | 315 | DD6 | C9-C10-C11 | -12.95 | 109.12 | 127.28 |
| 39 | 7 | 317 | DD6 | C9-C10-C11 | -12.88 | 109.21 | 127.28 |
| 37 | 9 | 316 | A86 | O1-C20-C21 | -12.79 | 100.75 | 115.05 |
| 38 | 3 | 311 | KC1 | CMA-C3A-C4A | -12.74 | 105.13 | 125.03 |
| 37 | 8 | 318 | A86 | O1-C20-C21 | -12.61 | 100.96 | 115.05 |
| 39 | 6 | 303 | DD6 | C29-C30-C31 | -12.59 | 146.16 | 175.48 |
| 37 | 10 | 316 | A86 | C21-C20-C19 | -12.59 | 100.10 | 114.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 37 | 15 | 321 | A86 | C21-C20-C19 | -12.47 | 100.23 | 114.24 |
| 39 | 4 | 316 | DD6 | C3-C2-C1 | -12.40 | 109.89 | 127.28 |
| 37 | 5 | 316 | A86 | C21-C20-C19 | -12.26 | 100.47 | 114.24 |
| 37 | 5 | 301 | A86 | C21-C20-C19 | -12.25 | 100.48 | 114.24 |
| 37 | 5 | 315 | A86 | O1-C20-C21 | -12.24 | 101.37 | 115.05 |
| 37 | 15 | 322 | A86 | C21-C20-C19 | -12.17 | 100.57 | 114.24 |
| 37 | 11 | 314 | A86 | C21-C20-C19 | -12.12 | 100.63 | 114.24 |
| 37 | 4 | 312 | A86 | C21-C20-C19 | -12.09 | 100.66 | 114.24 |
| 39 | 3 | 313 | DD6 | C9-C10-C11 | -12.08 | 110.34 | 127.28 |
| 37 | 14 | 315 | A86 | O1-C20-C21 | -11.96 | 101.68 | 115.05 |
| 37 | 14 | 315 | A86 | C21-C20-C19 | -11.96 | 100.81 | 114.24 |
| 37 | 12 | 316 | A86 | C21-C20-C19 | -11.95 | 100.82 | 114.24 |
| 37 | 13 | 315 | A86 | O1-C20-C21 | -11.93 | 101.72 | 115.05 |
| 37 | 14 | 316 | A86 | C21-C20-C19 | -11.91 | 100.86 | 114.24 |
| 37 | 15 | 317 | A86 | O1-C20-C21 | -11.86 | 101.80 | 115.05 |
| 37 | 14 | 317 | A86 | O1-C20-C21 | -11.82 | 101.84 | 115.05 |
| 37 | 11 | 316 | A86 | C21-C20-C19 | -11.75 | 101.04 | 114.24 |
| 39 | 10 | 313 | DD6 | C12-C11-C10 | -11.73 | 103.81 | 122.82 |
| 39 | 7 | 314 | DD6 | C13-C11-C10 | -11.70 | 100.61 | 119.01 |
| 37 | 15 | 323 | A86 | O1-C20-C21 | -11.65 | 102.02 | 115.05 |
| 39 | 4 | 316 | DD6 | C4-C5-C6 | -11.63 | 110.97 | 127.28 |
| 37 | 1 | 309 | A86 | O1-C20-C21 | -11.62 | 102.06 | 115.05 |
| 39 | 3 | 316 | DD6 | C9-C10-C11 | -11.58 | 111.04 | 127.28 |
| 38 | 12 | 313 | KC1 | CMA-C3A-C4A | -11.57 | 106.95 | 125.03 |
| 37 | 14 | 317 | A86 | C21-C20-C19 | -11.57 | 101.25 | 114.24 |
| 37 | 13 | 313 | A86 | O1-C20-C21 | -11.56 | 102.12 | 115.05 |
| 37 | 16 | 312 | A86 | C4-C5-C6 | -11.52 | 111.12 | 127.28 |
| 37 | 14 | 318 | A86 | O1-C20-C21 | -11.50 | 102.19 | 115.05 |
| 39 | 2 | 317 | DD6 | C3-C2-C1 | -11.48 | 111.17 | 127.28 |
| 37 | 14 | 314 | A86 | C21-C20-C19 | -11.45 | 101.38 | 114.24 |
| 37 | 1 | 309 | A86 | C21-C20-C19 | -11.38 | 101.46 | 114.24 |
| 37 | 15 | 315 | A86 | C21-C20-C19 | -11.37 | 101.47 | 114.24 |
| 38 | 12 | 311 | KC1 | CMA-C3A-C4A | -11.36 | 107.28 | 125.03 |
| 38 | 9 | 310 | KC1 | CMA-C3A-C4A | -11.36 | 107.28 | 125.03 |
| 37 | 2u | 203 | A86 | O1-C20-C21 | -11.35 | 102.36 | 115.05 |
| 38 | 9 | 311 | KC1 | CMA-C3A-C4A | -11.33 | 107.33 | 125.03 |
| 37 | 14 | 318 | A86 | C21-C20-C19 | -11.32 | 101.52 | 114.24 |
| 37 | 2 | 302 | A86 | C21-C20-C19 | -11.31 | 101.54 | 114.24 |
| 37 | 10 | 315 | A86 | C21-C20-C19 | -11.31 | 101.54 | 114.24 |
| 38 | 10 | 306 | KC1 | CMA-C3A-C4A | -11.31 | 107.37 | 125.03 |
| 38 | 4 | 310 | KC1 | CMA-C3A-C4A | -11.28 | 107.41 | 125.03 |
| 39 | 7 | 318 | DD6 | C9-C10-C11 | -11.27 | 111.47 | 127.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 39 | 13 | 314 | DD6 | C12-C11-C10 | -11.26 | 104.57 | 122.82 |
| 39 | 7 | 317 | DD6 | C3-C2-C1 | -11.26 | 111.49 | 127.28 |
| 37 | 8 | 315 | A86 | C21-C20-C19 | -11.25 | 101.60 | 114.24 |
| 37 | 10 | 317 | A86 | O1-C20-C21 | -11.25 | 102.48 | 115.05 |
| 39 | 5 | 314 | DD6 | C13-C11-C10 | -11.21 | 101.38 | 119.01 |
| 38 | 5 | 305 | KC1 | CMA-C3A-C4A | -11.16 | 107.60 | 125.03 |
| 38 | 8 | 307 | KC1 | CMA-C3A-C4A | -11.15 | 107.60 | 125.03 |
| 37 | 8 | 315 | A86 | O1-C20-C21 | -11.15 | 102.59 | 115.05 |
| 37 | 15 | 321 | A86 | O1-C20-C21 | -11.12 | 102.62 | 115.05 |
| 37 | 10 | 302 | A86 | O1-C20-C21 | -11.11 | 102.63 | 115.05 |
| 38 | 2 | 314 | KC1 | CMA-C3A-C4A | -11.11 | 107.68 | 125.03 |
| 37 | 4 | 315 | A86 | C21-C20-C19 | -11.09 | 101.78 | 114.24 |
| 37 | 10 | 301 | A86 | C25-C26-C27 | -11.09 | 111.73 | 127.28 |
| 37 | 15 | 320 | A86 | C21-C20-C19 | -11.06 | 101.81 | 114.24 |
| 37 | 14 | 319 | A86 | O1-C20-C21 | -11.05 | 102.69 | 115.05 |
| 38 | 11 | 305 | KC1 | CMA-C3A-C4A | -11.05 | 107.76 | 125.03 |
| 38 | 5 | 310 | KC1 | CMA-C3A-C4A | -11.04 | 107.78 | 125.03 |
| 39 | 8 | 316 | DD6 | C12-C11-C10 | -11.04 | 104.94 | 122.82 |
| 37 | 7 | 319 | A86 | O1-C20-C21 | -11.03 | 102.72 | 115.05 |
| 38 | 16 | 311 | KC1 | C2A-C3A-C4A | -11.03 | 98.13 | 106.41 |
| 39 | 11 | 313 | DD6 | C9-C10-C11 | -11.02 | 111.83 | 127.28 |
| 37 | 14 | 301 | A86 | O1-C20-C21 | -10.97 | 102.79 | 115.05 |
| 38 | 6 | 308 | KC1 | CMA-C3A-C4A | -10.97 | 107.90 | 125.03 |
| 39 | 15 | 319 | DD6 | C3-C2-C1 | -10.95 | 111.92 | 127.28 |
| 38 | 6 | 311 | KC1 | CMA-C3A-C4A | -10.94 | 107.94 | 125.03 |
| 37 | 11 | 314 | A86 | O1-C20-C21 | -10.94 | 102.82 | 115.05 |
| 39 | 8 | 317 | DD6 | C13-C11-C10 | -10.93 | 101.81 | 119.01 |
| 39 | 10 | 313 | DD6 | C9-C10-C11 | -10.92 | 111.96 | 127.28 |
| 38 | 3 | 304 | KC1 | CMA-C3A-C4A | -10.91 | 107.98 | 125.03 |
| 37 | 13 | 313 | A86 | C21-C20-C19 | -10.91 | 101.98 | 114.24 |
| 37 | 4 | 312 | A86 | O1-C20-C21 | -10.87 | 102.90 | 115.05 |
| 37 | 14 | 319 | A86 | C21-C20-C19 | -10.87 | 102.03 | 114.24 |
| 38 | 5 | 312 | KC1 | CMA-C3A-C4A | -10.85 | 108.08 | 125.03 |
| 38 | 13 | 305 | KC1 | CMA-C3A-C4A | -10.83 | 108.11 | 125.03 |
| 37 | 13 | 315 | A86 | C21-C20-C19 | -10.83 | 102.08 | 114.24 |
| 39 | 15 | 319 | DD6 | C9-C10-C11 | -10.79 | 112.14 | 127.28 |
| 30 | 2 | 303 | CLA | C1D-ND-C4D | -10.78 | 98.75 | 106.31 |
| 39 | 6 | 321 | DD6 | C9-C10-C11 | -10.78 | 112.16 | 127.28 |
| 37 | 15 | 323 | A86 | C21-C20-C19 | -10.77 | 102.14 | 114.24 |
| 38 | 8 | 311 | KC1 | CMA-C3A-C4A | -10.76 | 108.21 | 125.03 |
| 38 | 2 | 306 | KC1 | CMA-C3A-C4A | -10.76 | 108.22 | 125.03 |
| 37 | 11 | 301 | A86 | O1-C20-C21 | -10.75 | 103.04 | 115.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 37 | 4 | 314 | A86 | O1-C20-C21 | -10.71 | 103.08 | 115.05 |
| 39 | 2 | 317 | DD6 | C29-C30-C31 | -10.71 | 150.54 | 175.48 |
| 30 | L | 202 | CLA | C1D-ND-C4D | -10.71 | 98.80 | 106.31 |
| 37 | 4 | 317 | A86 | C21-C20-C19 | -10.70 | 102.22 | 114.24 |
| 38 | 8 | 313 | KC1 | CMA-C3A-C4A | -10.65 | 108.39 | 125.03 |
| 37 | 12 | 314 | A86 | O1-C20-C21 | -10.65 | 103.15 | 115.05 |
| 38 | 10 | 312 | KC1 | CMA-C3A-C4A | -10.64 | 108.41 | 125.03 |
| 38 | 1 | 308 | KC1 | CMA-C3A-C4A | -10.63 | 108.42 | 125.03 |
| 37 | 8 | 318 | A86 | C21-C20-C19 | -10.60 | 102.33 | 114.24 |
| 39 | 3 | 312 | DD6 | C13-C11-C10 | -10.59 | 102.36 | 119.01 |
| 39 | 2 | 315 | DD6 | C29-C30-C31 | -10.58 | 150.84 | 175.48 |
| 37 | 15 | 317 | A86 | C21-C20-C19 | -10.58 | 102.36 | 114.24 |
| 39 | 11 | 313 | DD6 | C4-C5-C6 | -10.57 | 112.45 | 127.28 |
| 39 | 12 | 317 | DD6 | C3-C2-C1 | -10.57 | 112.45 | 127.28 |
| 38 | 12 | 305 | KC1 | CMA-C3A-C4A | -10.57 | 108.52 | 125.03 |
| 37 | 12 | 316 | A86 | O1-C20-C21 | -10.56 | 103.25 | 115.05 |
| 37 | 16 | 312 | A86 | C21-C20-C19 | -10.55 | 102.39 | 114.24 |
| 37 | 1 | 309 | A86 | C4-C5-C6 | -10.55 | 112.49 | 127.28 |
| 39 | 15 | 318 | DD6 | C4-C5-C6 | -10.54 | 112.50 | 127.28 |
| 37 | 15 | 320 | A86 | O1-C20-C21 | -10.54 | 103.27 | 115.05 |
| 38 | 12 | 309 | KC1 | C2A-C3A-C4A | -10.54 | 98.50 | 106.41 |
| 38 | 13 | 308 | KC1 | CMA-C3A-C4A | -10.53 | 108.58 | 125.03 |
| 39 | 9 | 314 | DD6 | C4-C5-C6 | -10.53 | 112.51 | 127.28 |
| 37 | 14 | 301 | A86 | C21-C20-C19 | -10.50 | 102.45 | 114.24 |
| 37 | 11 | 301 | A86 | C21-C20-C19 | -10.47 | 102.48 | 114.24 |
| 38 | 13 | 310 | KC1 | CMA-C3A-C4A | -10.45 | 108.70 | 125.03 |
| 38 | 4 | 308 | KC1 | C2A-C3A-C4A | -10.45 | 98.56 | 106.41 |
| 39 | 13 | 314 | DD6 | C4-C5-C6 | -10.45 | 112.62 | 127.28 |
| 38 | 6 | 313 | KC1 | CMA-C3A-C4A | -10.43 | 108.74 | 125.03 |
| 38 | 2 | 312 | KC1 | CMA-C3A-C4A | -10.42 | 108.75 | 125.03 |
| 39 | 7 | 318 | DD6 | C4-C5-C6 | -10.41 | 112.68 | 127.28 |
| 30 | A | 806 | CLA | C1D-ND-C4D | -10.40 | 99.01 | 106.31 |
| 37 | 10 | 315 | A86 | O1-C20-C21 | -10.39 | 103.44 | 115.05 |
| 37 | 12 | 314 | A86 | C21-C20-C19 | -10.38 | 102.58 | 114.24 |
| 30 | B | 830 | CLA | C1D-ND-C4D | -10.37 | 99.04 | 106.31 |
| 37 | 14 | 314 | A86 | C33-C32-C31 | 10.36 | 119.28 | 109.21 |
| 37 | 2 | 302 | A86 | O1-C20-C21 | -10.36 | 103.47 | 115.05 |
| 30 | 14 | 307 | CLA | C1D-ND-C4D | -10.35 | 99.05 | 106.31 |
| 37 | 7 | 315 | A86 | C21-C20-C19 | -10.35 | 102.61 | 114.24 |
| 37 | 5 | 315 | A86 | C21-C20-C19 | -10.35 | 102.62 | 114.24 |
| 37 | 2 | 319 | A86 | C21-C20-C19 | -10.35 | 102.62 | 114.24 |
| 37 | 7 | 319 | A86 | C21-C20-C19 | -10.34 | 102.63 | 114.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|--------|-------------|----------|
| 37 | 4 | 314 | A86 | C21-C20-C19 | -10.33 | 102.63 | 114.24 |
| 38 | 8 | 306 | KC1 | CMA-C3A-C4A | -10.33 | 108.89 | 125.03 |
| 38 | 8 | 310 | KC1 | CMA-C3A-C4A | -10.32 | 108.91 | 125.03 |
| 37 | 15 | 322 | A86 | O1-C20-C21 | -10.32 | 103.52 | 115.05 |
| 30 | B | 820 | CLA | C1D-ND-C4D | -10.31 | 99.08 | 106.31 |
| 38 | 11 | 307 | KC1 | CMA-C3A-C4A | -10.30 | 108.94 | 125.03 |
| 39 | 10 | 314 | DD6 | C13-C11-C10 | -10.29 | 102.82 | 119.01 |
| 39 | 2 | 317 | DD6 | C9-C10-C11 | -10.29 | 112.85 | 127.28 |
| 37 | 10 | 302 | A86 | C21-C20-C19 | -10.28 | 102.70 | 114.24 |
| 30 | 16 | 303 | CLA | C1D-ND-C4D | -10.27 | 99.10 | 106.31 |
| 39 | 7 | 314 | DD6 | C3-C2-C1 | -10.27 | 112.87 | 127.28 |
| 38 | 9 | 312 | KC1 | CMA-C3A-C2A | -10.24 | 103.64 | 128.43 |
| 38 | 9 | 304 | KC1 | CMA-C3A-C4A | -10.23 | 109.04 | 125.03 |
| 38 | 11 | 311 | KC1 | CMA-C3A-C4A | -10.22 | 109.06 | 125.03 |
| 37 | 11 | 316 | A86 | O1-C20-C21 | -10.22 | 103.62 | 115.05 |
| 37 | 15 | 316 | A86 | O1-C20-C21 | -10.22 | 103.63 | 115.05 |
| 38 | 1 | 306 | KC1 | CMA-C3A-C4A | -10.21 | 109.08 | 125.03 |
| 38 | 14 | 311 | KC1 | CMA-C3A-C4A | -10.20 | 109.09 | 125.03 |
| 37 | 10 | 317 | A86 | C21-C20-C19 | -10.20 | 102.78 | 114.24 |
| 37 | 9 | 316 | A86 | C21-C20-C19 | -10.19 | 102.79 | 114.24 |
| 37 | 2 | 318 | A86 | O1-C20-C21 | -10.18 | 103.67 | 115.05 |
| 37 | 3 | 314 | A86 | C21-C20-C19 | -10.17 | 102.81 | 114.24 |
| 39 | 3 | 316 | DD6 | C4-C5-C6 | -10.17 | 113.02 | 127.28 |
| 39 | 12 | 317 | DD6 | C9-C10-C11 | -10.16 | 113.03 | 127.28 |
| 39 | 7 | 302 | DD6 | C9-C10-C11 | -10.15 | 113.04 | 127.28 |
| 39 | 16 | 313 | DD6 | C13-C11-C10 | -10.10 | 103.12 | 119.01 |
| 38 | 10 | 310 | KC1 | CMA-C3A-C4A | -10.10 | 109.25 | 125.03 |
| 37 | 2 | 318 | A86 | C33-C32-C31 | 10.08 | 119.01 | 109.21 |
| 39 | 16 | 313 | DD6 | C3-C2-C1 | -10.08 | 113.14 | 127.28 |
| 39 | 2 | 315 | DD6 | C8-C6-C5 | -10.08 | 103.16 | 119.01 |
| 39 | 15 | 319 | DD6 | C4-C5-C6 | -10.07 | 113.15 | 127.28 |
| 39 | 5 | 314 | DD6 | C4-C5-C6 | -10.07 | 113.15 | 127.28 |
| 30 | 15 | 302 | CLA | C1D-ND-C4D | -10.07 | 99.25 | 106.31 |
| 37 | 3 | 314 | A86 | O1-C20-C21 | -10.04 | 103.82 | 115.05 |
| 39 | 15 | 318 | DD6 | C9-C10-C11 | -10.04 | 113.19 | 127.28 |
| 38 | 13 | 312 | KC1 | CMA-C3A-C4A | -10.03 | 109.36 | 125.03 |
| 39 | 5 | 313 | DD6 | C4-C5-C6 | -10.02 | 113.22 | 127.28 |
| 37 | 2u | 203 | A86 | C21-C20-C19 | -10.02 | 102.99 | 114.24 |
| 39 | 5 | 313 | DD6 | C13-C11-C10 | -10.01 | 103.26 | 119.01 |
| 39 | 6 | 318 | DD6 | C9-C10-C11 | -10.01 | 113.25 | 127.28 |
| 30 | A | 827 | CLA | C1D-ND-C4D | -9.99 | 99.30 | 106.31 |
| 30 | B | 822 | CLA | C1D-ND-C4D | -9.98 | 99.31 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 3 | 308 | KC1 | C2A-C3A-C4A | -9.97 | 98.93 | 106.41 |
| 38 | 11 | 311 | KC1 | C2A-C3A-C4A | -9.94 | 98.95 | 106.41 |
| 39 | 4 | 313 | DD6 | C9-C10-C11 | -9.93 | 113.36 | 127.28 |
| 37 | 7 | 316 | A86 | C21-C20-C19 | -9.92 | 103.09 | 114.24 |
| 39 | 10 | 313 | DD6 | C8-C6-C5 | -9.92 | 103.40 | 119.01 |
| 39 | 12 | 315 | DD6 | C4-C5-C6 | -9.91 | 113.38 | 127.28 |
| 38 | 3 | 308 | KC1 | CMA-C3A-C4A | -9.90 | 109.56 | 125.03 |
| 38 | 10 | 310 | KC1 | C2A-C3A-C4A | -9.89 | 98.98 | 106.41 |
| 30 | 15 | 314 | CLA | C1D-ND-C4D | -9.88 | 99.38 | 106.31 |
| 39 | 6 | 318 | DD6 | C4-C5-C6 | -9.87 | 113.44 | 127.28 |
| 30 | B | 817 | CLA | C1D-ND-C4D | -9.87 | 99.39 | 106.31 |
| 30 | A | 818 | CLA | C1D-ND-C4D | -9.87 | 99.39 | 106.31 |
| 38 | 8 | 313 | KC1 | C2A-C3A-C4A | -9.85 | 99.01 | 106.41 |
| 38 | 13 | 308 | KC1 | C2A-C3A-C4A | -9.82 | 99.04 | 106.41 |
| 37 | 16 | 312 | A86 | O1-C20-C21 | -9.80 | 104.10 | 115.05 |
| 30 | A | 817 | CLA | C1D-ND-C4D | -9.79 | 99.45 | 106.31 |
| 38 | 6 | 313 | KC1 | C2A-C3A-C4A | -9.78 | 99.07 | 106.41 |
| 30 | B | 816 | CLA | C1D-ND-C4D | -9.78 | 99.45 | 106.31 |
| 37 | 15 | 316 | A86 | C21-C20-C19 | -9.78 | 103.26 | 114.24 |
| 38 | 7 | 313 | KC1 | CMA-C3A-C4A | -9.77 | 109.76 | 125.03 |
| 30 | 13 | 301 | CLA | C1D-ND-C4D | -9.77 | 99.46 | 106.31 |
| 39 | 6 | 321 | DD6 | C12-C11-C10 | -9.77 | 106.99 | 122.82 |
| 38 | 7 | 308 | KC1 | CMA-C3A-C4A | -9.77 | 109.77 | 125.03 |
| 39 | 4 | 313 | DD6 | C3-C2-C1 | -9.77 | 113.58 | 127.28 |
| 39 | 6 | 303 | DD6 | C3-C2-C1 | -9.77 | 113.58 | 127.28 |
| 38 | 4 | 307 | KC1 | C2A-C3A-C4A | -9.76 | 99.08 | 106.41 |
| 39 | 1 | 310 | DD6 | C9-C10-C11 | -9.75 | 113.60 | 127.28 |
| 30 | 8 | 305 | CLA | C1D-ND-C4D | -9.73 | 99.48 | 106.31 |
| 37 | 14 | 315 | A86 | C4-C5-C6 | -9.73 | 113.63 | 127.28 |
| 39 | 6 | 319 | DD6 | C9-C10-C11 | -9.72 | 113.64 | 127.28 |
| 39 | 10 | 314 | DD6 | C4-C5-C6 | -9.72 | 113.64 | 127.28 |
| 38 | 6 | 312 | KC1 | CMA-C3A-C4A | -9.72 | 109.84 | 125.03 |
| 39 | 8 | 316 | DD6 | C4-C5-C6 | -9.72 | 113.65 | 127.28 |
| 39 | 6 | 319 | DD6 | C12-C11-C10 | -9.71 | 107.08 | 122.82 |
| 30 | 16 | 301 | CLA | C1D-ND-C4D | -9.70 | 99.50 | 106.31 |
| 38 | 1 | 306 | KC1 | C2A-C3A-C4A | -9.70 | 99.13 | 106.41 |
| 30 | 7 | 305 | CLA | C1D-ND-C4D | -9.69 | 99.51 | 106.31 |
| 38 | 6 | 311 | KC1 | C2A-C3A-C4A | -9.69 | 99.13 | 106.41 |
| 38 | 7 | 308 | KC1 | C2A-C3A-C4A | -9.69 | 99.13 | 106.41 |
| 30 | 11 | 304 | CLA | C1D-ND-C4D | -9.69 | 99.51 | 106.31 |
| 30 | A | 823 | CLA | C1D-ND-C4D | -9.69 | 99.52 | 106.31 |
| 39 | 2 | 316 | DD6 | C13-C11-C10 | -9.68 | 103.78 | 119.01 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 14 | 308 | KC1 | C2A-C3A-C4A | -9.68 | 99.14 | 106.41 |
| 39 | 2 | 316 | DD6 | C12-C11-C10 | -9.67 | 107.15 | 122.82 |
| 38 | 2 | 306 | KC1 | C2A-C3A-C4A | -9.66 | 99.16 | 106.41 |
| 38 | 14 | 311 | KC1 | C2A-C3A-C4A | -9.66 | 99.16 | 106.41 |
| 39 | 16 | 313 | DD6 | C37-C36-C31 | -9.63 | 106.15 | 124.16 |
| 30 | 13 | 303 | CLA | C1D-ND-C4D | -9.62 | 99.56 | 106.31 |
| 30 | 2 | 311 | CLA | C1D-ND-C4D | -9.62 | 99.56 | 106.31 |
| 39 | 6 | 318 | DD6 | C3-C2-C1 | -9.62 | 113.79 | 127.28 |
| 39 | 9 | 314 | DD6 | C37-C36-C31 | -9.61 | 106.19 | 124.16 |
| 39 | 11 | 313 | DD6 | C3-C2-C1 | -9.59 | 113.83 | 127.28 |
| 37 | 15 | 315 | A86 | C3-C2-C1 | -9.59 | 113.83 | 127.28 |
| 30 | 13 | 304 | CLA | C1D-ND-C4D | -9.59 | 99.59 | 106.31 |
| 38 | 9 | 311 | KC1 | C2A-C3A-C4A | -9.57 | 99.22 | 106.41 |
| 37 | 14 | 314 | A86 | C4-C5-C6 | -9.56 | 113.87 | 127.28 |
| 39 | 6 | 321 | DD6 | C3-C2-C1 | -9.55 | 113.88 | 127.28 |
| 38 | 13 | 306 | KC1 | CMA-C3A-C4A | -9.55 | 110.10 | 125.03 |
| 30 | 1 | 307 | CLA | C1D-ND-C4D | -9.55 | 99.61 | 106.31 |
| 30 | 12 | 310 | CLA | C1D-ND-C4D | -9.54 | 99.61 | 106.31 |
| 39 | 5 | 314 | DD6 | C3-C2-C1 | -9.54 | 113.89 | 127.28 |
| 38 | 13 | 305 | KC1 | C2A-C3A-C4A | -9.53 | 99.26 | 106.41 |
| 30 | 3 | 309 | CLA | C1D-ND-C4D | -9.52 | 99.63 | 106.31 |
| 30 | 14 | 313 | CLA | C1D-ND-C4D | -9.52 | 99.63 | 106.31 |
| 37 | 14 | 314 | A86 | O1-C20-C21 | -9.52 | 104.41 | 115.05 |
| 38 | 5 | 310 | KC1 | C2A-C3A-C4A | -9.51 | 99.27 | 106.41 |
| 39 | 3 | 316 | DD6 | C3-C2-C1 | -9.51 | 113.94 | 127.28 |
| 38 | 9 | 304 | KC1 | C2A-C3A-C4A | -9.49 | 99.28 | 106.41 |
| 37 | 4 | 315 | A86 | O1-C20-C21 | -9.49 | 104.44 | 115.05 |
| 37 | 2u | 205 | A86 | C21-C20-C19 | -9.49 | 103.59 | 114.24 |
| 38 | 10 | 312 | KC1 | C2A-C3A-C4A | -9.49 | 99.29 | 106.41 |
| 37 | 3 | 315 | A86 | O1-C20-C21 | -9.48 | 104.45 | 115.05 |
| 37 | 7 | 316 | A86 | O1-C20-C21 | -9.48 | 104.45 | 115.05 |
| 38 | 5 | 312 | KC1 | C2A-C3A-C4A | -9.47 | 99.30 | 106.41 |
| 39 | 15 | 319 | DD6 | C-C1-C2 | -9.46 | 107.49 | 122.82 |
| 30 | 7 | 307 | CLA | C1D-ND-C4D | -9.46 | 99.68 | 106.31 |
| 30 | B | 836 | CLA | C1D-ND-C4D | -9.45 | 99.68 | 106.31 |
| 38 | 14 | 306 | KC1 | C2A-C3A-C4A | -9.45 | 99.31 | 106.41 |
| 38 | 11 | 307 | KC1 | C2A-C3A-C4A | -9.45 | 99.32 | 106.41 |
| 30 | 15 | 309 | CLA | C1D-ND-C4D | -9.45 | 99.68 | 106.31 |
| 30 | B | 801 | CLA | C1D-ND-C4D | -9.43 | 99.70 | 106.31 |
| 38 | 9 | 310 | KC1 | C2A-C3A-C4A | -9.43 | 99.33 | 106.41 |
| 39 | 12 | 317 | DD6 | C12-C11-C10 | -9.43 | 107.54 | 122.82 |
| 39 | 1 | 310 | DD6 | C4-C5-C6 | -9.43 | 114.06 | 127.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 9 | 314 | DD6 | C3-C2-C1 | -9.43 | 114.06 | 127.28 |
| 38 | 14 | 308 | KC1 | CMA-C3A-C4A | -9.42 | 110.31 | 125.03 |
| 38 | 4 | 310 | KC1 | C2A-C3A-C4A | -9.41 | 99.35 | 106.41 |
| 30 | 10 | 311 | CLA | C1D-ND-C4D | -9.41 | 99.71 | 106.31 |
| 30 | 14 | 310 | CLA | C1D-ND-C4D | -9.41 | 99.71 | 106.31 |
| 30 | A | 812 | CLA | C1D-ND-C4D | -9.41 | 99.71 | 106.31 |
| 30 | 15 | 304 | CLA | C1D-ND-C4D | -9.40 | 99.72 | 106.31 |
| 30 | B | 839 | CLA | C1D-ND-C4D | -9.40 | 99.72 | 106.31 |
| 30 | 7 | 303 | CLA | C1D-ND-C4D | -9.39 | 99.72 | 106.31 |
| 39 | 8 | 316 | DD6 | C3-C2-C1 | -9.39 | 114.11 | 127.28 |
| 39 | 6 | 321 | DD6 | C37-C36-C31 | -9.38 | 106.62 | 124.16 |
| 30 | 16 | 309 | CLA | C1D-ND-C4D | -9.38 | 99.73 | 106.31 |
| 37 | 14 | 316 | A86 | O1-C20-C21 | -9.38 | 104.57 | 115.05 |
| 30 | A | 828 | CLA | C1D-ND-C4D | -9.38 | 99.73 | 106.31 |
| 39 | 7 | 317 | DD6 | C12-C11-C10 | -9.38 | 107.63 | 122.82 |
| 30 | 3 | 307 | CLA | C1D-ND-C4D | -9.37 | 99.73 | 106.31 |
| 39 | 10 | 313 | DD6 | C3-C2-C1 | -9.37 | 114.13 | 127.28 |
| 38 | 8 | 310 | KC1 | C2A-C3A-C4A | -9.37 | 99.38 | 106.41 |
| 38 | 12 | 305 | KC1 | C2A-C3A-C4A | -9.37 | 99.38 | 106.41 |
| 39 | 2 | 315 | DD6 | C3-C2-C1 | -9.36 | 114.15 | 127.28 |
| 30 | 9 | 301 | CLA | C1D-ND-C4D | -9.36 | 99.74 | 106.31 |
| 30 | B | 810 | CLA | C1D-ND-C4D | -9.34 | 99.76 | 106.31 |
| 30 | 4 | 311 | CLA | C1D-ND-C4D | -9.34 | 99.76 | 106.31 |
| 30 | L | 203 | CLA | C1D-ND-C4D | -9.34 | 99.76 | 106.31 |
| 30 | 1 | 303 | CLA | C1D-ND-C4D | -9.33 | 99.76 | 106.31 |
| 30 | 10 | 309 | CLA | C1D-ND-C4D | -9.33 | 99.76 | 106.31 |
| 30 | A | 808 | CLA | C1D-ND-C4D | -9.32 | 99.77 | 106.31 |
| 30 | 2 | 313 | CLA | C1D-ND-C4D | -9.32 | 99.77 | 106.31 |
| 30 | F | 201 | CLA | C1D-ND-C4D | -9.32 | 99.78 | 106.31 |
| 30 | B | 831 | CLA | C1D-ND-C4D | -9.32 | 99.78 | 106.31 |
| 30 | 14 | 302 | CLA | C1D-ND-C4D | -9.31 | 99.78 | 106.31 |
| 38 | 9 | 312 | KC1 | CMA-C3A-C4A | -9.31 | 110.48 | 125.03 |
| 39 | 10 | 314 | DD6 | C37-C36-C31 | -9.31 | 106.76 | 124.16 |
| 39 | 16 | 313 | DD6 | C12-C11-C10 | -9.31 | 107.73 | 122.82 |
| 30 | A | 811 | CLA | C1D-ND-C4D | -9.31 | 99.78 | 106.31 |
| 30 | 2 | 309 | CLA | C1D-ND-C4D | -9.31 | 99.78 | 106.31 |
| 30 | 9 | 302 | CLA | C1D-ND-C4D | -9.31 | 99.78 | 106.31 |
| 37 | 10 | 301 | A86 | C21-C20-C19 | -9.31 | 103.79 | 114.24 |
| 30 | 5 | 311 | CLA | C1D-ND-C4D | -9.29 | 99.79 | 106.31 |
| 30 | 10 | 305 | CLA | C1D-ND-C4D | -9.29 | 99.79 | 106.31 |
| 38 | 13 | 312 | KC1 | C2A-C3A-C4A | -9.29 | 99.44 | 106.41 |
| 30 | 15 | 313 | CLA | C1D-ND-C4D | -9.28 | 99.80 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 842 | CLA | C1D-ND-C4D | -9.28 | 99.80 | 106.31 |
| 37 | 2 | 302 | A86 | C4-C5-C6 | -9.28 | 114.26 | 127.28 |
| 37 | 16 | 314 | A86 | C21-C20-C19 | -9.28 | 103.82 | 114.24 |
| 38 | 1 | 308 | KC1 | C2A-C3A-C4A | -9.27 | 99.45 | 106.41 |
| 37 | 14 | 317 | A86 | C33-C32-C31 | 9.27 | 118.22 | 109.21 |
| 37 | 4 | 312 | A86 | C33-C32-C31 | 9.27 | 118.22 | 109.21 |
| 30 | 7 | 310 | CLA | C1D-ND-C4D | -9.26 | 99.81 | 106.31 |
| 30 | A | 816 | CLA | C1D-ND-C4D | -9.26 | 99.81 | 106.31 |
| 38 | 14 | 306 | KC1 | CMA-C3A-C4A | -9.26 | 110.56 | 125.03 |
| 30 | 2u | 202 | CLA | C1D-ND-C4D | -9.26 | 99.81 | 106.31 |
| 39 | 3 | 313 | DD6 | C3-C2-C1 | -9.25 | 114.30 | 127.28 |
| 30 | B | 837 | CLA | C1D-ND-C4D | -9.25 | 99.82 | 106.31 |
| 30 | 1 | 302 | CLA | C1D-ND-C4D | -9.25 | 99.82 | 106.31 |
| 39 | 7 | 302 | DD6 | C4-C5-C6 | -9.24 | 114.32 | 127.28 |
| 30 | 5 | 304 | CLA | C1D-ND-C4D | -9.23 | 99.83 | 106.31 |
| 38 | 11 | 305 | KC1 | C2A-C3A-C4A | -9.23 | 99.48 | 106.41 |
| 30 | 15 | 311 | CLA | C1D-ND-C4D | -9.23 | 99.84 | 106.31 |
| 30 | 2 | 301 | CLA | C1D-ND-C4D | -9.22 | 99.84 | 106.31 |
| 39 | 12 | 315 | DD6 | C3-C2-C1 | -9.22 | 114.35 | 127.28 |
| 30 | 12 | 308 | CLA | C1D-ND-C4D | -9.22 | 99.84 | 106.31 |
| 30 | 6 | 317 | CLA | C1D-ND-C4D | -9.21 | 99.85 | 106.31 |
| 30 | 6 | 314 | CLA | C1D-ND-C4D | -9.21 | 99.85 | 106.31 |
| 30 | 11 | 309 | CLA | C1D-ND-C4D | -9.21 | 99.85 | 106.31 |
| 30 | B | 802 | CLA | C1D-ND-C4D | -9.21 | 99.85 | 106.31 |
| 30 | 4 | 305 | CLA | C1D-ND-C4D | -9.19 | 99.86 | 106.31 |
| 30 | 15 | 303 | CLA | C1D-ND-C4D | -9.19 | 99.87 | 106.31 |
| 38 | 7 | 313 | KC1 | C2A-C3A-C4A | -9.18 | 99.51 | 106.41 |
| 30 | 4 | 306 | CLA | C1D-ND-C4D | -9.18 | 99.87 | 106.31 |
| 39 | 13 | 314 | DD6 | C13-C11-C10 | -9.18 | 104.56 | 119.01 |
| 30 | 8 | 302 | CLA | C1D-ND-C4D | -9.18 | 99.87 | 106.31 |
| 39 | 1 | 310 | DD6 | C37-C36-C31 | -9.18 | 106.99 | 124.16 |
| 30 | 14 | 304 | CLA | C1D-ND-C4D | -9.18 | 99.87 | 106.31 |
| 39 | 8 | 317 | DD6 | C12-C11-C10 | -9.18 | 107.95 | 122.82 |
| 37 | 4 | 315 | A86 | C33-C32-C31 | 9.17 | 118.13 | 109.21 |
| 30 | 11 | 308 | CLA | C1D-ND-C4D | -9.17 | 99.88 | 106.31 |
| 39 | 7 | 318 | DD6 | C3-C2-C1 | -9.17 | 114.42 | 127.28 |
| 30 | A | 833 | CLA | C1D-ND-C4D | -9.16 | 99.88 | 106.31 |
| 38 | 13 | 310 | KC1 | C2A-C3A-C4A | -9.16 | 99.53 | 106.41 |
| 30 | A | 810 | CLA | C1D-ND-C4D | -9.15 | 99.89 | 106.31 |
| 30 | A | 804 | CLA | C1D-ND-C4D | -9.15 | 99.89 | 106.31 |
| 39 | 7 | 317 | DD6 | C37-C36-C31 | -9.15 | 107.06 | 124.16 |
| 39 | 3 | 312 | DD6 | C3-C2-C1 | -9.14 | 114.46 | 127.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 301 | CLA | C1D-ND-C4D | -9.13 | 99.90 | 106.31 |
| 30 | 8 | 301 | CLA | C1D-ND-C4D | -9.13 | 99.91 | 106.31 |
| 39 | 10 | 314 | DD6 | C3-C2-C1 | -9.12 | 114.48 | 127.28 |
| 30 | 3 | 310 | CLA | C1D-ND-C4D | -9.12 | 99.91 | 106.31 |
| 30 | 16 | 308 | CLA | C1D-ND-C4D | -9.11 | 99.92 | 106.31 |
| 37 | 15 | 315 | A86 | O1-C20-C21 | -9.11 | 104.87 | 115.05 |
| 39 | 4 | 313 | DD6 | C37-C36-C31 | -9.11 | 107.13 | 124.16 |
| 39 | 3 | 313 | DD6 | C12-C11-C10 | -9.10 | 108.07 | 122.82 |
| 39 | 6 | 318 | DD6 | C12-C11-C10 | -9.10 | 108.07 | 122.82 |
| 37 | 11 | 315 | A86 | C33-C32-C31 | 9.10 | 118.05 | 109.21 |
| 30 | B | 803 | CLA | C1D-ND-C4D | -9.09 | 99.93 | 106.31 |
| 39 | 7 | 314 | DD6 | C12-C11-C10 | -9.09 | 108.09 | 122.82 |
| 30 | 6 | 306 | CLA | C1D-ND-C4D | -9.08 | 99.94 | 106.31 |
| 30 | 5 | 302 | CLA | C1D-ND-C4D | -9.08 | 99.94 | 106.31 |
| 38 | 16 | 304 | KC1 | C2A-C3A-C4A | -9.08 | 99.59 | 106.41 |
| 30 | 3 | 303 | CLA | C1D-ND-C4D | -9.08 | 99.94 | 106.31 |
| 30 | 14 | 312 | CLA | C1D-ND-C4D | -9.07 | 99.95 | 106.31 |
| 38 | 13 | 311 | KC1 | C2A-C3A-C4A | -9.07 | 99.60 | 106.41 |
| 30 | F | 202 | CLA | C1D-ND-C4D | -9.07 | 99.95 | 106.31 |
| 39 | 10 | 313 | DD6 | C37-C36-C31 | -9.06 | 107.22 | 124.16 |
| 30 | 9 | 308 | CLA | C1D-ND-C4D | -9.06 | 99.95 | 106.31 |
| 39 | 8 | 317 | DD6 | C37-C36-C31 | -9.05 | 107.23 | 124.16 |
| 30 | 2 | 308 | CLA | C1D-ND-C4D | -9.05 | 99.96 | 106.31 |
| 30 | 3 | 301 | CLA | C1D-ND-C4D | -9.05 | 99.96 | 106.31 |
| 30 | B | 851 | CLA | C1D-ND-C4D | -9.04 | 99.97 | 106.31 |
| 30 | 15 | 310 | CLA | C1D-ND-C4D | -9.04 | 99.97 | 106.31 |
| 30 | A | 829 | CLA | C1D-ND-C4D | -9.03 | 99.98 | 106.31 |
| 30 | 4 | 303 | CLA | C1D-ND-C4D | -9.03 | 99.98 | 106.31 |
| 37 | 11 | 314 | A86 | C4-C5-C6 | -9.03 | 114.62 | 127.28 |
| 30 | B | 826 | CLA | C1D-ND-C4D | -9.02 | 99.98 | 106.31 |
| 39 | 9 | 314 | DD6 | C13-C11-C10 | -9.02 | 104.81 | 119.01 |
| 30 | 12 | 312 | CLA | C1D-ND-C4D | -9.02 | 99.98 | 106.31 |
| 30 | 6 | 315 | CLA | C1D-ND-C4D | -9.01 | 99.99 | 106.31 |
| 30 | 10 | 308 | CLA | C1D-ND-C4D | -9.01 | 99.99 | 106.31 |
| 30 | A | 824 | CLA | C1D-ND-C4D | -9.01 | 99.99 | 106.31 |
| 30 | 16 | 307 | CLA | C1D-ND-C4D | -9.00 | 100.00 | 106.31 |
| 30 | 1 | 304 | CLA | C1D-ND-C4D | -9.00 | 100.00 | 106.31 |
| 30 | F | 203 | CLA | C1D-ND-C4D | -9.00 | 100.00 | 106.31 |
| 39 | 2 | 316 | DD6 | C8-C6-C5 | -9.00 | 104.86 | 119.01 |
| 30 | 8 | 303 | CLA | C1D-ND-C4D | -8.99 | 100.00 | 106.31 |
| 30 | 5 | 309 | CLA | C1D-ND-C4D | -8.99 | 100.00 | 106.31 |
| 30 | 9 | 303 | CLA | C1D-ND-C4D | -8.99 | 100.00 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 2 | 312 | KC1 | C2A-C3A-C4A | -8.99 | 99.66 | 106.41 |
| 30 | A | 819 | CLA | C1D-ND-C4D | -8.98 | 100.01 | 106.31 |
| 39 | 7 | 302 | DD6 | C3-C2-C1 | -8.98 | 114.68 | 127.28 |
| 30 | 11 | 306 | CLA | C1D-ND-C4D | -8.98 | 100.01 | 106.31 |
| 39 | 2 | 316 | DD6 | C3-C2-C1 | -8.98 | 114.68 | 127.28 |
| 38 | 5 | 306 | KC1 | CMA-C3A-C2A | -8.98 | 106.70 | 128.43 |
| 30 | 16 | 302 | CLA | C1D-ND-C4D | -8.98 | 100.01 | 106.31 |
| 30 | A | 839 | CLA | C1D-ND-C4D | -8.98 | 100.01 | 106.31 |
| 38 | 6 | 308 | KC1 | CMA-C3A-C2A | -8.98 | 106.71 | 128.43 |
| 30 | 14 | 303 | CLA | C1D-ND-C4D | -8.97 | 100.02 | 106.31 |
| 30 | 11 | 310 | CLA | C1D-ND-C4D | -8.97 | 100.02 | 106.31 |
| 39 | 13 | 314 | DD6 | C9-C10-C11 | -8.97 | 114.70 | 127.28 |
| 30 | B | 806 | CLA | C1D-ND-C4D | -8.97 | 100.02 | 106.31 |
| 30 | B | 835 | CLA | C1D-ND-C4D | -8.96 | 100.02 | 106.31 |
| 30 | B | 804 | CLA | C1D-ND-C4D | -8.96 | 100.02 | 106.31 |
| 30 | 5 | 308 | CLA | C1D-ND-C4D | -8.96 | 100.03 | 106.31 |
| 30 | A | 803 | CLA | C1D-ND-C4D | -8.96 | 100.03 | 106.31 |
| 30 | B | 808 | CLA | C1D-ND-C4D | -8.95 | 100.03 | 106.31 |
| 30 | 16 | 310 | CLA | C1D-ND-C4D | -8.95 | 100.03 | 106.31 |
| 30 | A | 834 | CLA | C1D-ND-C4D | -8.95 | 100.03 | 106.31 |
| 30 | 4 | 304 | CLA | C1D-ND-C4D | -8.95 | 100.03 | 106.31 |
| 39 | 12 | 315 | DD6 | C37-C36-C31 | -8.95 | 107.43 | 124.16 |
| 38 | 8 | 307 | KC1 | C2A-C3A-C4A | -8.95 | 99.69 | 106.41 |
| 30 | 8 | 308 | CLA | C1D-ND-C4D | -8.94 | 100.04 | 106.31 |
| 30 | A | 844 | CLA | C1D-ND-C4D | -8.94 | 100.04 | 106.31 |
| 30 | 13 | 309 | CLA | C1D-ND-C4D | -8.94 | 100.04 | 106.31 |
| 30 | A | 840 | CLA | C1D-ND-C4D | -8.94 | 100.04 | 106.31 |
| 30 | 12 | 304 | CLA | C1D-ND-C4D | -8.94 | 100.04 | 106.31 |
| 39 | 8 | 317 | DD6 | C4-C5-C6 | -8.94 | 114.75 | 127.28 |
| 30 | 8 | 309 | CLA | C1D-ND-C4D | -8.93 | 100.05 | 106.31 |
| 39 | 15 | 319 | DD6 | C12-C11-C10 | -8.93 | 108.35 | 122.82 |
| 39 | 12 | 315 | DD6 | C9-C10-C11 | -8.93 | 114.76 | 127.28 |
| 30 | 15 | 306 | CLA | C1D-ND-C4D | -8.93 | 100.05 | 106.31 |
| 37 | 7 | 315 | A86 | O1-C20-C21 | -8.92 | 105.08 | 115.05 |
| 30 | 6 | 304 | CLA | C1D-ND-C4D | -8.92 | 100.06 | 106.31 |
| 30 | 13 | 307 | CLA | C1D-ND-C4D | -8.92 | 100.06 | 106.31 |
| 37 | 15 | 315 | A86 | C25-C26-C27 | -8.91 | 114.79 | 127.28 |
| 39 | 6 | 321 | DD6 | C13-C11-C10 | -8.90 | 105.01 | 119.01 |
| 30 | 12 | 321 | CLA | C1D-ND-C4D | -8.90 | 100.07 | 106.31 |
| 30 | 2 | 305 | CLA | C1D-ND-C4D | -8.90 | 100.07 | 106.31 |
| 30 | A | 805 | CLA | C1D-ND-C4D | -8.89 | 100.07 | 106.31 |
| 30 | 4 | 302 | CLA | C1D-ND-C4D | -8.89 | 100.07 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 29 | A | 801 | CL0 | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 38 | 10 | 306 | KC1 | CMA-C3A-C2A | -8.88 | 106.93 | 128.43 |
| 30 | 9 | 307 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 30 | 12 | 302 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 38 | 8 | 306 | KC1 | C2A-C3A-C4A | -8.88 | 99.74 | 106.41 |
| 30 | 15 | 305 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 30 | 1 | 301 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 30 | A | 813 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 30 | B | 807 | CLA | C1D-ND-C4D | -8.88 | 100.08 | 106.31 |
| 39 | 4 | 316 | DD6 | C12-C11-C10 | -8.86 | 108.46 | 122.82 |
| 30 | B | 825 | CLA | C1D-ND-C4D | -8.86 | 100.09 | 106.31 |
| 37 | 14 | 320 | A86 | C21-C20-C19 | -8.86 | 104.29 | 114.24 |
| 30 | 5 | 303 | CLA | C1D-ND-C4D | -8.85 | 100.10 | 106.31 |
| 30 | 15 | 307 | CLA | C1D-ND-C4D | -8.85 | 100.11 | 106.31 |
| 38 | 6 | 312 | KC1 | C2A-C3A-C4A | -8.84 | 99.77 | 106.41 |
| 30 | 10 | 303 | CLA | C1D-ND-C4D | -8.84 | 100.11 | 106.31 |
| 30 | 9 | 305 | CLA | C1D-ND-C4D | -8.84 | 100.11 | 106.31 |
| 39 | 4 | 316 | DD6 | C9-C10-C11 | -8.84 | 114.89 | 127.28 |
| 30 | B | 814 | CLA | C1D-ND-C4D | -8.83 | 100.12 | 106.31 |
| 30 | 2 | 310 | CLA | C1D-ND-C4D | -8.83 | 100.12 | 106.31 |
| 39 | 8 | 316 | DD6 | C37-C36-C31 | -8.83 | 107.66 | 124.16 |
| 37 | 11 | 315 | A86 | O1-C20-C21 | -8.82 | 105.19 | 115.05 |
| 38 | 6 | 308 | KC1 | C2A-C3A-C4A | -8.82 | 99.79 | 106.41 |
| 39 | 1 | 310 | DD6 | C12-C11-C10 | -8.82 | 108.52 | 122.82 |
| 39 | 5 | 314 | DD6 | C8-C6-C5 | -8.82 | 105.14 | 119.01 |
| 30 | B | 805 | CLA | C1D-ND-C4D | -8.82 | 100.12 | 106.31 |
| 37 | 9 | 315 | A86 | O1-C20-C21 | -8.82 | 105.19 | 115.05 |
| 30 | 12 | 307 | CLA | C1D-ND-C4D | -8.81 | 100.13 | 106.31 |
| 30 | 13 | 302 | CLA | C1D-ND-C4D | -8.81 | 100.13 | 106.31 |
| 39 | 4 | 316 | DD6 | C13-C11-C10 | -8.80 | 105.16 | 119.01 |
| 30 | 7 | 309 | CLA | C1D-ND-C4D | -8.80 | 100.14 | 106.31 |
| 39 | 9 | 314 | DD6 | C12-C11-C10 | -8.80 | 108.56 | 122.82 |
| 38 | 3 | 311 | KC1 | CMA-C3A-C2A | -8.79 | 107.15 | 128.43 |
| 30 | 3 | 302 | CLA | C1D-ND-C4D | -8.79 | 100.15 | 106.31 |
| 30 | 4 | 309 | CLA | C1D-ND-C4D | -8.79 | 100.15 | 106.31 |
| 30 | B | 811 | CLA | C1D-ND-C4D | -8.78 | 100.15 | 106.31 |
| 30 | 7 | 311 | CLA | C1D-ND-C4D | -8.78 | 100.15 | 106.31 |
| 30 | B | 827 | CLA | C1D-ND-C4D | -8.78 | 100.15 | 106.31 |
| 38 | 2 | 314 | KC1 | C2A-C3A-C4A | -8.78 | 99.82 | 106.41 |
| 39 | 8 | 317 | DD6 | C8-C6-C5 | -8.78 | 105.20 | 119.01 |
| 38 | 11 | 312 | KC1 | C2A-C3A-C4A | -8.77 | 99.82 | 106.41 |
| 30 | B | 832 | CLA | C1D-ND-C4D | -8.77 | 100.16 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 10 | 304 | CLA | C1D-ND-C4D | -8.76 | 100.16 | 106.31 |
| 30 | A | 830 | CLA | C1D-ND-C4D | -8.75 | 100.17 | 106.31 |
| 30 | 7 | 312 | CLA | C1D-ND-C4D | -8.74 | 100.18 | 106.31 |
| 30 | 16 | 305 | CLA | C1D-ND-C4D | -8.74 | 100.18 | 106.31 |
| 30 | 3 | 305 | CLA | C1D-ND-C4D | -8.74 | 100.18 | 106.31 |
| 30 | A | 843 | CLA | C1D-ND-C4D | -8.74 | 100.18 | 106.31 |
| 39 | 7 | 318 | DD6 | C12-C11-C10 | -8.73 | 108.67 | 122.82 |
| 30 | B | 838 | CLA | C1D-ND-C4D | -8.73 | 100.19 | 106.31 |
| 38 | 12 | 311 | KC1 | C2A-C3A-C4A | -8.72 | 99.86 | 106.41 |
| 38 | 4 | 307 | KC1 | CMA-C3A-C4A | -8.72 | 111.41 | 125.03 |
| 39 | 3 | 313 | DD6 | C37-C36-C31 | -8.72 | 107.86 | 124.16 |
| 30 | 6 | 305 | CLA | C1D-ND-C4D | -8.72 | 100.20 | 106.31 |
| 30 | 7 | 304 | CLA | C1D-ND-C4D | -8.71 | 100.20 | 106.31 |
| 38 | 8 | 311 | KC1 | C2A-C3A-C4A | -8.71 | 99.87 | 106.41 |
| 30 | 16 | 306 | CLA | C1D-ND-C4D | -8.70 | 100.20 | 106.31 |
| 30 | B | 833 | CLA | C1D-ND-C4D | -8.70 | 100.21 | 106.31 |
| 30 | 9 | 306 | CLA | C1D-ND-C4D | -8.70 | 100.21 | 106.31 |
| 30 | A | 821 | CLA | C1D-ND-C4D | -8.68 | 100.22 | 106.31 |
| 39 | 11 | 313 | DD6 | C37-C36-C31 | -8.68 | 107.94 | 124.16 |
| 39 | 3 | 313 | DD6 | C4-C5-C6 | -8.67 | 115.11 | 127.28 |
| 39 | 5 | 313 | DD6 | C37-C36-C31 | -8.67 | 107.95 | 124.16 |
| 37 | 14 | 319 | A86 | C33-C32-C31 | 8.67 | 117.64 | 109.21 |
| 39 | 2 | 315 | DD6 | C7-C6-C5 | -8.67 | 108.78 | 122.82 |
| 37 | 11 | 315 | A86 | C21-C20-C19 | -8.66 | 104.52 | 114.24 |
| 30 | 14 | 305 | CLA | C1D-ND-C4D | -8.65 | 100.25 | 106.31 |
| 39 | 1 | 310 | DD6 | C3-C2-C1 | -8.65 | 115.15 | 127.28 |
| 39 | 12 | 317 | DD6 | C37-C36-C31 | -8.64 | 108.00 | 124.16 |
| 39 | 13 | 314 | DD6 | C37-C36-C31 | -8.64 | 108.00 | 124.16 |
| 38 | 8 | 307 | KC1 | CMA-C3A-C2A | -8.64 | 107.52 | 128.43 |
| 30 | 15 | 308 | CLA | C1D-ND-C4D | -8.63 | 100.25 | 106.31 |
| 38 | 9 | 312 | KC1 | C2A-C3A-C4A | -8.63 | 99.93 | 106.41 |
| 38 | 5 | 306 | KC1 | C2A-C3A-C4A | -8.63 | 99.93 | 106.41 |
| 38 | 5 | 305 | KC1 | CMA-C3A-C2A | -8.63 | 107.55 | 128.43 |
| 37 | 2 | 302 | A86 | C25-C26-C27 | -8.63 | 115.18 | 127.28 |
| 30 | B | 829 | CLA | C1D-ND-C4D | -8.62 | 100.26 | 106.31 |
| 37 | 14 | 320 | A86 | C33-C32-C31 | 8.62 | 117.59 | 109.21 |
| 30 | B | 824 | CLA | C1D-ND-C4D | -8.62 | 100.26 | 106.31 |
| 30 | A | 814 | CLA | C1D-ND-C4D | -8.62 | 100.27 | 106.31 |
| 30 | 15 | 312 | CLA | C1D-ND-C4D | -8.62 | 100.27 | 106.31 |
| 30 | 6 | 310 | CLA | C1D-ND-C4D | -8.61 | 100.27 | 106.31 |
| 39 | 12 | 315 | DD6 | C12-C11-C10 | -8.61 | 108.87 | 122.82 |
| 39 | 12 | 317 | DD6 | C8-C6-C5 | -8.60 | 105.48 | 119.01 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 305 | CLA | C1D-ND-C4D | -8.59 | 100.28 | 106.31 |
| 30 | A | 807 | CLA | C1D-ND-C4D | -8.59 | 100.28 | 106.31 |
| 30 | A | 825 | CLA | C1D-ND-C4D | -8.58 | 100.30 | 106.31 |
| 30 | 2 | 304 | CLA | C1D-ND-C4D | -8.58 | 100.30 | 106.31 |
| 37 | 10 | 316 | A86 | O1-C20-C21 | -8.57 | 105.47 | 115.05 |
| 30 | A | 831 | CLA | O2D-CGD-CBD | 8.57 | 126.20 | 111.23 |
| 30 | 5 | 307 | CLA | C1D-ND-C4D | -8.57 | 100.30 | 106.31 |
| 38 | 3 | 304 | KC1 | C2A-C3A-C4A | -8.56 | 99.98 | 106.41 |
| 39 | 1 | 310 | DD6 | C13-C11-C10 | -8.56 | 105.55 | 119.01 |
| 39 | 6 | 319 | DD6 | C3-C2-C1 | -8.56 | 115.28 | 127.28 |
| 39 | 3 | 312 | DD6 | C37-C36-C31 | -8.55 | 108.17 | 124.16 |
| 39 | 10 | 313 | DD6 | C7-C6-C5 | -8.54 | 108.98 | 122.82 |
| 30 | A | 837 | CLA | C1D-ND-C4D | -8.53 | 100.33 | 106.31 |
| 30 | B | 818 | CLA | C1D-ND-C4D | -8.53 | 100.33 | 106.31 |
| 39 | 2 | 316 | DD6 | C37-C36-C31 | -8.53 | 108.22 | 124.16 |
| 30 | 12 | 306 | CLA | C1D-ND-C4D | -8.52 | 100.33 | 106.31 |
| 37 | 2 | 318 | A86 | C21-C20-C19 | -8.52 | 104.67 | 114.24 |
| 30 | A | 826 | CLA | C1D-ND-C4D | -8.52 | 100.33 | 106.31 |
| 38 | 13 | 311 | KC1 | CMA-C3A-C2A | -8.52 | 107.82 | 128.43 |
| 30 | A | 832 | CLA | C1D-ND-C4D | -8.52 | 100.34 | 106.31 |
| 39 | 11 | 313 | DD6 | C7-C6-C5 | -8.50 | 109.05 | 122.82 |
| 37 | 13 | 313 | A86 | C4-C5-C6 | -8.49 | 115.37 | 127.28 |
| 37 | 5 | 316 | A86 | O1-C20-C21 | -8.49 | 105.56 | 115.05 |
| 30 | 10 | 307 | CLA | C1D-ND-C4D | -8.49 | 100.36 | 106.31 |
| 30 | A | 809 | CLA | C1D-ND-C4D | -8.49 | 100.36 | 106.31 |
| 39 | 6 | 321 | DD6 | C4-C5-C6 | -8.49 | 115.38 | 127.28 |
| 37 | 3 | 314 | A86 | C4-C5-C6 | -8.48 | 115.39 | 127.28 |
| 37 | 5 | 316 | A86 | C33-C32-C31 | 8.48 | 117.45 | 109.21 |
| 39 | 7 | 314 | DD6 | C4-C5-C6 | -8.46 | 115.41 | 127.28 |
| 38 | 10 | 306 | KC1 | C2A-C3A-C4A | -8.46 | 100.06 | 106.41 |
| 39 | 12 | 315 | DD6 | C13-C11-C10 | -8.46 | 105.71 | 119.01 |
| 38 | 9 | 311 | KC1 | CMA-C3A-C2A | -8.45 | 107.97 | 128.43 |
| 30 | B | 809 | CLA | C1D-ND-C4D | -8.45 | 100.38 | 106.31 |
| 30 | 9 | 309 | CLA | C1D-ND-C4D | -8.45 | 100.38 | 106.31 |
| 39 | 5 | 314 | DD6 | C12-C11-C10 | -8.45 | 109.12 | 122.82 |
| 30 | 14 | 309 | CLA | C1D-ND-C4D | -8.44 | 100.39 | 106.31 |
| 39 | 4 | 313 | DD6 | C12-C11-C10 | -8.44 | 109.14 | 122.82 |
| 39 | 5 | 313 | DD6 | C3-C2-C1 | -8.44 | 115.44 | 127.28 |
| 30 | A | 835 | CLA | C1D-ND-C4D | -8.43 | 100.40 | 106.31 |
| 30 | B | 815 | CLA | C1D-ND-C4D | -8.42 | 100.41 | 106.31 |
| 39 | 10 | 314 | DD6 | C12-C11-C10 | -8.41 | 109.19 | 122.82 |
| 38 | 13 | 306 | KC1 | C2A-C3A-C4A | -8.41 | 100.10 | 106.41 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 5 | 305 | KC1 | C2A-C3A-C4A | -8.40 | 100.10 | 106.41 |
| 30 | 8 | 304 | CLA | C1D-ND-C4D | -8.39 | 100.43 | 106.31 |
| 30 | J | 101 | CLA | C1D-ND-C4D | -8.38 | 100.43 | 106.31 |
| 30 | 2 | 307 | CLA | C1D-ND-C4D | -8.37 | 100.44 | 106.31 |
| 39 | 3 | 312 | DD6 | C12-C11-C10 | -8.35 | 109.29 | 122.82 |
| 37 | 9 | 315 | A86 | C25-C26-C27 | -8.35 | 115.57 | 127.28 |
| 39 | 6 | 303 | DD6 | C9-C10-C11 | -8.35 | 115.57 | 127.28 |
| 38 | 16 | 311 | KC1 | CMA-C3A-C4A | -8.35 | 111.99 | 125.03 |
| 39 | 16 | 313 | DD6 | C4-C5-C6 | -8.35 | 115.57 | 127.28 |
| 37 | 14 | 319 | A86 | C4-C5-C6 | -8.34 | 115.58 | 127.28 |
| 38 | 12 | 309 | KC1 | CMA-C3A-C4A | -8.33 | 112.02 | 125.03 |
| 39 | 2 | 317 | DD6 | C12-C11-C10 | -8.33 | 109.33 | 122.82 |
| 30 | 12 | 303 | CLA | C1D-ND-C4D | -8.32 | 100.47 | 106.31 |
| 30 | B | 813 | CLA | C1D-ND-C4D | -8.32 | 100.48 | 106.31 |
| 39 | 7 | 318 | DD6 | C37-C36-C31 | -8.32 | 108.61 | 124.16 |
| 30 | 6 | 309 | CLA | C1D-ND-C4D | -8.31 | 100.48 | 106.31 |
| 39 | 16 | 313 | DD6 | C8-C6-C5 | -8.31 | 105.94 | 119.01 |
| 39 | 7 | 317 | DD6 | C4-C5-C6 | -8.31 | 115.63 | 127.28 |
| 39 | 4 | 313 | DD6 | C4-C5-C6 | -8.30 | 115.63 | 127.28 |
| 37 | 14 | 315 | A86 | C33-C32-C31 | 8.30 | 117.28 | 109.21 |
| 39 | 3 | 316 | DD6 | C12-C11-C10 | -8.29 | 109.38 | 122.82 |
| 30 | B | 828 | CLA | C1D-ND-C4D | -8.27 | 100.51 | 106.31 |
| 30 | 7 | 306 | CLA | C1D-ND-C4D | -8.27 | 100.51 | 106.31 |
| 39 | 5 | 314 | DD6 | C37-C36-C31 | -8.27 | 108.70 | 124.16 |
| 30 | B | 812 | CLA | C1D-ND-C4D | -8.26 | 100.51 | 106.31 |
| 37 | 14 | 318 | A86 | C4-C5-C6 | -8.26 | 115.69 | 127.28 |
| 39 | 7 | 318 | DD6 | C7-C6-C5 | -8.26 | 109.44 | 122.82 |
| 39 | 8 | 317 | DD6 | C3-C2-C1 | -8.25 | 115.71 | 127.28 |
| 38 | 11 | 305 | KC1 | CMA-C3A-C2A | -8.24 | 108.48 | 128.43 |
| 39 | 7 | 302 | DD6 | C12-C11-C10 | -8.23 | 109.48 | 122.82 |
| 39 | 7 | 314 | DD6 | C37-C36-C31 | -8.23 | 108.78 | 124.16 |
| 37 | 4 | 317 | A86 | O1-C20-C21 | -8.22 | 105.86 | 115.05 |
| 30 | A | 836 | CLA | C1D-ND-C4D | -8.22 | 100.54 | 106.31 |
| 30 | A | 822 | CLA | C1D-ND-C4D | -8.22 | 100.54 | 106.31 |
| 39 | 16 | 313 | DD6 | C-C1-C2 | -8.20 | 109.52 | 122.82 |
| 38 | 3 | 311 | KC1 | C2A-C3A-C4A | -8.20 | 100.26 | 106.41 |
| 37 | 5 | 301 | A86 | O1-C20-C21 | -8.19 | 105.89 | 115.05 |
| 39 | 6 | 318 | DD6 | C37-C36-C31 | -8.18 | 108.86 | 124.16 |
| 37 | 10 | 302 | A86 | C33-C32-C31 | 8.18 | 117.16 | 109.21 |
| 37 | 14 | 317 | A86 | C4-C5-C6 | -8.17 | 115.81 | 127.28 |
| 39 | 15 | 318 | DD6 | C3-C2-C1 | -8.17 | 115.82 | 127.28 |
| 30 | B | 834 | CLA | C1D-ND-C4D | -8.17 | 100.58 | 106.31 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 7 | 318 | DD6 | C-C1-C2 | -8.17 | 109.59 | 122.82 |
| 30 | A | 841 | CLA | C1D-ND-C4D | -8.16 | 100.59 | 106.31 |
| 30 | B | 821 | CLA | C1D-ND-C4D | -8.15 | 100.59 | 106.31 |
| 37 | 7 | 315 | A86 | C33-C32-C31 | 8.15 | 117.13 | 109.21 |
| 37 | 2 | 319 | A86 | C33-C32-C31 | 8.15 | 117.13 | 109.21 |
| 39 | 15 | 319 | DD6 | C7-C6-C5 | -8.14 | 109.63 | 122.82 |
| 30 | A | 831 | CLA | C1D-ND-C4D | -8.14 | 100.60 | 106.31 |
| 39 | 16 | 313 | DD6 | C7-C6-C5 | -8.14 | 109.63 | 122.82 |
| 30 | B | 823 | CLA | C1D-ND-C4D | -8.14 | 100.60 | 106.31 |
| 30 | 3 | 306 | CLA | C1D-ND-C4D | -8.13 | 100.61 | 106.31 |
| 30 | 6 | 316 | CLA | C1D-ND-C4D | -8.13 | 100.61 | 106.31 |
| 30 | A | 838 | CLA | C1D-ND-C4D | -8.13 | 100.61 | 106.31 |
| 37 | 15 | 317 | A86 | C4-C5-C6 | -8.13 | 115.88 | 127.28 |
| 39 | 4 | 316 | DD6 | C37-C36-C31 | -8.12 | 108.97 | 124.16 |
| 39 | 2 | 315 | DD6 | C12-C11-C10 | -8.10 | 109.69 | 122.82 |
| 39 | 5 | 314 | DD6 | C9-C10-C11 | -8.10 | 115.92 | 127.28 |
| 39 | 15 | 318 | DD6 | C12-C11-C10 | -8.10 | 109.69 | 122.82 |
| 38 | 11 | 312 | KC1 | CMA-C3A-C4A | -8.10 | 112.38 | 125.03 |
| 38 | 2 | 314 | KC1 | CMA-C3A-C2A | -8.09 | 108.84 | 128.43 |
| 30 | 6 | 307 | CLA | C1D-ND-C4D | -8.09 | 100.64 | 106.31 |
| 38 | 5 | 312 | KC1 | CMA-C3A-C2A | -8.08 | 108.87 | 128.43 |
| 39 | 12 | 317 | DD6 | C-C1-C2 | -8.08 | 109.73 | 122.82 |
| 30 | A | 815 | CLA | C1D-ND-C4D | -8.07 | 100.65 | 106.31 |
| 39 | 12 | 317 | DD6 | C4-C5-C6 | -8.07 | 115.96 | 127.28 |
| 39 | 7 | 317 | DD6 | O1-C15-C14 | -8.06 | 93.78 | 116.88 |
| 38 | 8 | 314 | KC1 | O2D-CGD-CBD | 8.06 | 125.32 | 111.23 |
| 39 | 10 | 313 | DD6 | C13-C11-C10 | -8.05 | 106.35 | 119.01 |
| 39 | 4 | 316 | DD6 | C28-C27-C26 | -8.03 | 108.59 | 124.18 |
| 39 | 15 | 318 | DD6 | C7-C6-C5 | -8.02 | 109.82 | 122.82 |
| 30 | 12 | 304 | CLA | CAA-C2A-C3A | -8.02 | 91.32 | 113.00 |
| 39 | 2 | 317 | DD6 | C-C1-C2 | -8.00 | 109.86 | 122.82 |
| 39 | 7 | 302 | DD6 | C28-C27-C26 | -7.99 | 108.66 | 124.18 |
| 38 | 13 | 305 | KC1 | CMA-C3A-C2A | -7.98 | 109.13 | 128.43 |
| 37 | 12 | 314 | A86 | C33-C32-C31 | 7.97 | 116.96 | 109.21 |
| 37 | 10 | 302 | A86 | C25-C26-C27 | -7.97 | 116.11 | 127.28 |
| 39 | 6 | 319 | DD6 | C37-C36-C31 | -7.97 | 109.27 | 124.16 |
| 30 | 8 | 304 | CLA | CAA-C2A-C3A | -7.96 | 91.48 | 113.00 |
| 39 | 10 | 314 | DD6 | C28-C27-C26 | -7.96 | 108.72 | 124.18 |
| 39 | 6 | 321 | DD6 | C8-C6-C5 | -7.95 | 106.50 | 119.01 |
| 39 | 4 | 316 | DD6 | C-C1-C2 | -7.95 | 109.93 | 122.82 |
| 39 | 15 | 318 | DD6 | C37-C36-C31 | -7.95 | 109.29 | 124.16 |
| 38 | 12 | 311 | KC1 | CMA-C3A-C2A | -7.95 | 109.19 | 128.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 4 | 313 | DD6 | C-C1-C2 | -7.95 | 109.94 | 122.82 |
| 37 | 13 | 315 | A86 | C33-C32-C31 | 7.94 | 116.93 | 109.21 |
| 38 | 13 | 306 | KC1 | CMA-C3A-C2A | -7.94 | 109.20 | 128.43 |
| 39 | 2 | 317 | DD6 | C28-C27-C26 | -7.94 | 108.75 | 124.18 |
| 39 | 7 | 317 | DD6 | C28-C27-C26 | -7.94 | 108.75 | 124.18 |
| 39 | 8 | 317 | DD6 | C9-C10-C11 | -7.92 | 116.16 | 127.28 |
| 39 | 5 | 313 | DD6 | C9-C10-C11 | -7.92 | 116.17 | 127.28 |
| 39 | 16 | 313 | DD6 | O1-C15-C14 | -7.92 | 94.19 | 116.88 |
| 39 | 13 | 314 | DD6 | C3-C2-C1 | -7.92 | 116.17 | 127.28 |
| 39 | 7 | 302 | DD6 | C37-C36-C31 | -7.91 | 109.36 | 124.16 |
| 39 | 13 | 314 | DD6 | C28-C27-C26 | -7.91 | 108.81 | 124.18 |
| 30 | A | 820 | CLA | C1D-ND-C4D | -7.91 | 100.76 | 106.31 |
| 39 | 8 | 317 | DD6 | C28-C27-C26 | -7.91 | 108.82 | 124.18 |
| 37 | 2 | 319 | A86 | O1-C20-C21 | -7.90 | 106.22 | 115.05 |
| 37 | 12 | 314 | A86 | C4-C5-C6 | -7.90 | 116.20 | 127.28 |
| 37 | 2u | 205 | A86 | O1-C20-C21 | -7.90 | 106.22 | 115.05 |
| 39 | 7 | 318 | DD6 | C28-C27-C26 | -7.88 | 108.86 | 124.18 |
| 39 | 3 | 312 | DD6 | C4-C5-C6 | -7.88 | 116.22 | 127.28 |
| 37 | 9 | 315 | A86 | C21-C20-C19 | -7.88 | 105.39 | 114.24 |
| 39 | 16 | 313 | DD6 | C28-C27-C26 | -7.87 | 108.88 | 124.18 |
| 39 | 3 | 313 | DD6 | C7-C6-C5 | -7.84 | 110.11 | 122.82 |
| 30 | A | 839 | CLA | O2D-CGD-CBD | 7.83 | 124.93 | 111.23 |
| 39 | 3 | 312 | DD6 | C9-C10-C11 | -7.83 | 116.29 | 127.28 |
| 39 | 6 | 303 | DD6 | C28-C27-C26 | -7.83 | 108.96 | 124.18 |
| 38 | 8 | 313 | KC1 | CMA-C3A-C2A | -7.83 | 109.47 | 128.43 |
| 39 | 4 | 316 | DD6 | C7-C6-C5 | -7.83 | 110.13 | 122.82 |
| 39 | 11 | 313 | DD6 | C12-C11-C10 | -7.83 | 110.13 | 122.82 |
| 39 | 3 | 316 | DD6 | C37-C36-C31 | -7.83 | 109.53 | 124.16 |
| 39 | 13 | 314 | DD6 | C7-C6-C5 | -7.82 | 110.14 | 122.82 |
| 39 | 10 | 314 | DD6 | C7-C6-C5 | -7.82 | 110.14 | 122.82 |
| 39 | 1 | 310 | DD6 | C28-C27-C26 | -7.82 | 108.99 | 124.18 |
| 37 | 15 | 321 | A86 | C33-C32-C31 | 7.82 | 116.81 | 109.21 |
| 37 | 7 | 316 | A86 | C33-C32-C31 | 7.82 | 116.81 | 109.21 |
| 38 | 8 | 311 | KC1 | CMA-C3A-C2A | -7.81 | 109.52 | 128.43 |
| 39 | 8 | 316 | DD6 | O1-C15-C14 | -7.81 | 94.49 | 116.88 |
| 39 | 8 | 316 | DD6 | C8-C6-C5 | -7.81 | 106.72 | 119.01 |
| 39 | 10 | 314 | DD6 | C9-C10-C11 | -7.81 | 116.33 | 127.28 |
| 39 | 5 | 314 | DD6 | C7-C6-C5 | -7.81 | 110.17 | 122.82 |
| 38 | 8 | 314 | KC1 | C2A-C3A-C4A | -7.80 | 100.55 | 106.41 |
| 39 | 12 | 317 | DD6 | C28-C27-C26 | -7.79 | 109.04 | 124.18 |
| 30 | 15 | 312 | CLA | CMD-C2D-C1D | 7.79 | 138.44 | 124.73 |
| 39 | 1 | 310 | DD6 | C7-C6-C5 | -7.79 | 110.20 | 122.82 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 6 | 303 | DD6 | C8-C6-C5 | -7.78 | 106.78 | 119.01 |
| 39 | 11 | 313 | DD6 | C28-C27-C26 | -7.77 | 109.09 | 124.18 |
| 38 | 3 | 304 | KC1 | CMA-C3A-C2A | -7.77 | 109.63 | 128.43 |
| 39 | 5 | 313 | DD6 | C28-C27-C26 | -7.76 | 109.10 | 124.18 |
| 39 | 9 | 314 | DD6 | C-C1-C2 | -7.76 | 110.25 | 122.82 |
| 38 | 6 | 311 | KC1 | CMA-C3A-C2A | -7.75 | 109.66 | 128.43 |
| 37 | 12 | 316 | A86 | C4-C5-C6 | -7.74 | 116.42 | 127.28 |
| 39 | 3 | 316 | DD6 | C7-C6-C5 | -7.74 | 110.27 | 122.82 |
| 38 | 8 | 310 | KC1 | CMA-C3A-C2A | -7.74 | 109.70 | 128.43 |
| 39 | 12 | 315 | DD6 | C28-C27-C26 | -7.73 | 109.16 | 124.18 |
| 39 | 12 | 317 | DD6 | C7-C6-C5 | -7.73 | 110.29 | 122.82 |
| 39 | 3 | 316 | DD6 | C28-C27-C26 | -7.73 | 109.17 | 124.18 |
| 37 | 14 | 320 | A86 | C25-C26-C27 | -7.72 | 116.45 | 127.28 |
| 38 | 1 | 308 | KC1 | CMA-C3A-C2A | -7.71 | 109.76 | 128.43 |
| 30 | A | 802 | CLA | C1D-ND-C4D | -7.71 | 100.90 | 106.31 |
| 38 | 7 | 313 | KC1 | CMA-C3A-C2A | -7.69 | 109.83 | 128.43 |
| 39 | 15 | 318 | DD6 | C28-C27-C26 | -7.68 | 109.25 | 124.18 |
| 39 | 10 | 313 | DD6 | C28-C27-C26 | -7.68 | 109.26 | 124.18 |
| 39 | 2 | 316 | DD6 | C28-C27-C26 | -7.67 | 109.28 | 124.18 |
| 38 | 9 | 310 | KC1 | CMA-C3A-C2A | -7.67 | 109.88 | 128.43 |
| 39 | 9 | 314 | DD6 | C28-C27-C26 | -7.66 | 109.30 | 124.18 |
| 39 | 7 | 302 | DD6 | C7-C6-C5 | -7.65 | 110.42 | 122.82 |
| 37 | 14 | 301 | A86 | C33-C32-C31 | 7.65 | 116.65 | 109.21 |
| 38 | 2 | 306 | KC1 | CMA-C3A-C2A | -7.64 | 109.93 | 128.43 |
| 30 | B | 819 | CLA | C1D-ND-C4D | -7.64 | 100.95 | 106.31 |
| 37 | 2u | 205 | A86 | C33-C32-C31 | 7.63 | 116.63 | 109.21 |
| 39 | 3 | 313 | DD6 | C28-C27-C26 | -7.63 | 109.36 | 124.18 |
| 37 | 14 | 318 | A86 | C33-C32-C31 | 7.63 | 116.62 | 109.21 |
| 39 | 6 | 321 | DD6 | C-C1-C2 | -7.62 | 110.47 | 122.82 |
| 39 | 2 | 317 | DD6 | O1-C15-C14 | -7.62 | 95.05 | 116.88 |
| 39 | 6 | 319 | DD6 | C28-C27-C26 | -7.62 | 109.39 | 124.18 |
| 38 | 6 | 312 | KC1 | CMA-C3A-C2A | -7.61 | 110.01 | 128.43 |
| 39 | 7 | 314 | DD6 | C8-C6-C5 | -7.60 | 107.05 | 119.01 |
| 39 | 7 | 314 | DD6 | C15-C14-C13 | 7.60 | 142.06 | 125.99 |
| 39 | 6 | 303 | DD6 | C13-C11-C10 | -7.60 | 107.06 | 119.01 |
| 39 | 7 | 302 | DD6 | C-C1-C2 | -7.59 | 110.52 | 122.82 |
| 39 | 12 | 315 | DD6 | C7-C6-C5 | -7.59 | 110.52 | 122.82 |
| 38 | 12 | 305 | KC1 | CMA-C3A-C2A | -7.59 | 110.06 | 128.43 |
| 37 | 12 | 316 | A86 | C33-C32-C31 | 7.59 | 116.58 | 109.21 |
| 39 | 6 | 318 | DD6 | C28-C27-C26 | -7.59 | 109.44 | 124.18 |
| 39 | 2 | 315 | DD6 | C28-C27-C26 | -7.59 | 109.44 | 124.18 |
| 39 | 8 | 316 | DD6 | C28-C27-C26 | -7.58 | 109.46 | 124.18 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 12 | 315 | DD6 | C-C1-C2 | -7.58 | 110.54 | 122.82 |
| 39 | 11 | 313 | DD6 | C-C1-C2 | -7.58 | 110.54 | 122.82 |
| 39 | 16 | 313 | DD6 | C15-C14-C13 | 7.58 | 142.01 | 125.99 |
| 39 | 7 | 317 | DD6 | C-C1-C2 | -7.57 | 110.55 | 122.82 |
| 39 | 15 | 319 | DD6 | C28-C27-C26 | -7.56 | 109.50 | 124.18 |
| 37 | 10 | 302 | A86 | C4-C5-C6 | -7.54 | 116.70 | 127.28 |
| 38 | 10 | 312 | KC1 | CMA-C3A-C2A | -7.54 | 110.19 | 128.43 |
| 39 | 3 | 312 | DD6 | C28-C27-C26 | -7.54 | 109.54 | 124.18 |
| 37 | 5 | 301 | A86 | C4-C5-C6 | -7.54 | 116.71 | 127.28 |
| 39 | 6 | 321 | DD6 | C28-C27-C26 | -7.53 | 109.56 | 124.18 |
| 37 | 13 | 313 | A86 | C33-C32-C31 | 7.52 | 116.52 | 109.21 |
| 30 | B | 828 | CLA | CMD-C2D-C1D | 7.52 | 137.97 | 124.73 |
| 38 | 4 | 310 | KC1 | CMA-C3A-C2A | -7.51 | 110.25 | 128.43 |
| 39 | 6 | 303 | DD6 | C7-C6-C5 | -7.50 | 110.66 | 122.82 |
| 39 | 2 | 315 | DD6 | C-C1-C2 | -7.50 | 110.67 | 122.82 |
| 37 | 11 | 301 | A86 | C33-C32-C31 | 7.50 | 116.50 | 109.21 |
| 38 | 1 | 306 | KC1 | CMA-C3A-C2A | -7.49 | 110.29 | 128.43 |
| 39 | 4 | 313 | DD6 | C28-C27-C26 | -7.49 | 109.64 | 124.18 |
| 37 | 2 | 302 | A86 | C33-C32-C31 | 7.48 | 116.48 | 109.21 |
| 39 | 5 | 314 | DD6 | C28-C27-C26 | -7.47 | 109.66 | 124.18 |
| 37 | 10 | 316 | A86 | C33-C32-C31 | 7.47 | 116.47 | 109.21 |
| 39 | 7 | 314 | DD6 | C28-C27-C26 | -7.46 | 109.69 | 124.18 |
| 39 | 9 | 314 | DD6 | C7-C6-C5 | -7.45 | 110.74 | 122.82 |
| 37 | 16 | 312 | A86 | C3-C2-C1 | -7.45 | 116.83 | 127.28 |
| 39 | 6 | 318 | DD6 | C12-C11-C13 | -7.44 | 106.72 | 118.09 |
| 38 | 8 | 312 | KC1 | C1A-C2A-C3A | -7.44 | 100.44 | 107.28 |
| 38 | 6 | 313 | KC1 | CMA-C3A-C2A | -7.43 | 110.44 | 128.43 |
| 39 | 8 | 317 | DD6 | C7-C6-C5 | -7.42 | 110.79 | 122.82 |
| 30 | A | 840 | CLA | CMD-C2D-C1D | 7.42 | 137.80 | 124.73 |
| 37 | 3 | 314 | A86 | C3-C2-C1 | -7.42 | 116.87 | 127.28 |
| 38 | 2 | 312 | KC1 | CMA-C3A-C2A | -7.41 | 110.51 | 128.43 |
| 38 | 10 | 306 | KC1 | O2D-CGD-CBD | 7.41 | 124.18 | 111.23 |
| 38 | 13 | 312 | KC1 | CMA-C3A-C2A | -7.40 | 110.51 | 128.43 |
| 39 | 10 | 313 | DD6 | C-C1-C2 | -7.40 | 110.83 | 122.82 |
| 38 | 10 | 310 | KC1 | CMA-C3A-C2A | -7.40 | 110.53 | 128.43 |
| 38 | 13 | 308 | KC1 | CMA-C3A-C2A | -7.40 | 110.53 | 128.43 |
| 38 | 5 | 310 | KC1 | CMA-C3A-C2A | -7.38 | 110.57 | 128.43 |
| 38 | 3 | 308 | KC1 | CMA-C3A-C2A | -7.37 | 110.60 | 128.43 |
| 39 | 2 | 317 | DD6 | C8-C6-C5 | -7.37 | 107.42 | 119.01 |
| 39 | 12 | 315 | DD6 | C8-C6-C5 | -7.36 | 107.42 | 119.01 |
| 39 | 2 | 315 | DD6 | C37-C36-C31 | -7.34 | 110.44 | 124.16 |
| 30 | 14 | 302 | CLA | CMD-C2D-C1D | 7.34 | 137.65 | 124.73 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 2 | 317 | DD6 | C37-C36-C31 | -7.33 | 110.46 | 124.16 |
| 30 | 7 | 305 | CLA | CMD-C2D-C1D | 7.33 | 137.63 | 124.73 |
| 38 | 9 | 304 | KC1 | CMA-C3A-C2A | -7.33 | 110.70 | 128.43 |
| 37 | 14 | 320 | A86 | O1-C20-C21 | -7.32 | 106.86 | 115.05 |
| 38 | 11 | 307 | KC1 | CMA-C3A-C2A | -7.32 | 110.72 | 128.43 |
| 30 | B | 820 | CLA | C2D-C1D-ND | 7.31 | 117.36 | 110.13 |
| 39 | 3 | 316 | DD6 | C-C1-C2 | -7.29 | 111.01 | 122.82 |
| 38 | 13 | 310 | KC1 | CMA-C3A-C2A | -7.29 | 110.79 | 128.43 |
| 30 | L | 202 | CLA | C2D-C1D-ND | 7.29 | 117.34 | 110.13 |
| 39 | 7 | 317 | DD6 | C8-C6-C5 | -7.28 | 107.55 | 119.01 |
| 39 | 3 | 312 | DD6 | C-C1-C2 | -7.28 | 111.03 | 122.82 |
| 37 | 7 | 319 | A86 | C33-C32-C31 | 7.27 | 116.27 | 109.21 |
| 39 | 4 | 313 | DD6 | O1-C15-C14 | -7.26 | 96.06 | 116.88 |
| 39 | 15 | 318 | DD6 | C8-C6-C5 | -7.26 | 107.58 | 119.01 |
| 39 | 15 | 319 | DD6 | C8-C6-C5 | -7.26 | 107.59 | 119.01 |
| 39 | 10 | 314 | DD6 | C-C1-C2 | -7.25 | 111.06 | 122.82 |
| 30 | B | 830 | CLA | C2D-C1D-ND | 7.24 | 117.29 | 110.13 |
| 39 | 7 | 318 | DD6 | C24-C1-C2 | -7.23 | 107.64 | 119.01 |
| 30 | A | 815 | CLA | CMD-C2D-C1D | 7.22 | 137.45 | 124.73 |
| 39 | 5 | 313 | DD6 | C12-C11-C10 | -7.22 | 111.11 | 122.82 |
| 39 | 4 | 313 | DD6 | C8-C6-C5 | -7.20 | 107.69 | 119.01 |
| 39 | 1 | 310 | DD6 | C24-C1-C2 | -7.20 | 107.69 | 119.01 |
| 39 | 15 | 319 | DD6 | O1-C15-C14 | -7.19 | 96.27 | 116.88 |
| 39 | 7 | 318 | DD6 | O1-C15-C14 | -7.18 | 96.30 | 116.88 |
| 37 | 4 | 314 | A86 | C33-C32-C31 | 7.18 | 116.19 | 109.21 |
| 39 | 8 | 316 | DD6 | C7-C6-C5 | -7.18 | 111.18 | 122.82 |
| 37 | 6 | 320 | A86 | C21-C20-C19 | -7.18 | 106.18 | 114.24 |
| 39 | 13 | 314 | DD6 | C-C1-C2 | -7.17 | 111.20 | 122.82 |
| 39 | 8 | 316 | DD6 | C9-C10-C11 | -7.17 | 117.23 | 127.28 |
| 30 | 6 | 314 | CLA | CMD-C2D-C1D | 7.17 | 137.35 | 124.73 |
| 39 | 2 | 315 | DD6 | C4-C5-C6 | -7.16 | 117.23 | 127.28 |
| 39 | 2 | 317 | DD6 | C12-C11-C13 | -7.16 | 107.15 | 118.09 |
| 39 | 4 | 313 | DD6 | C13-C11-C10 | -7.16 | 107.75 | 119.01 |
| 38 | 12 | 313 | KC1 | CMD-C2D-C1D | 7.16 | 138.94 | 128.46 |
| 38 | 8 | 314 | KC1 | C1A-C2A-C3A | -7.16 | 100.70 | 107.28 |
| 38 | 11 | 311 | KC1 | CMA-C3A-C2A | -7.15 | 111.12 | 128.43 |
| 39 | 1 | 310 | DD6 | C8-C6-C5 | -7.15 | 107.77 | 119.01 |
| 30 | 11 | 310 | CLA | CMD-C2D-C1D | 7.14 | 137.31 | 124.73 |
| 39 | 6 | 319 | DD6 | C4-C5-C6 | -7.14 | 117.27 | 127.28 |
| 30 | B | 830 | CLA | CMD-C2D-C1D | 7.14 | 137.30 | 124.73 |
| 38 | 14 | 311 | KC1 | CMA-C3A-C2A | -7.13 | 111.17 | 128.43 |
| 37 | 16 | 312 | A86 | C33-C32-C31 | 7.13 | 116.14 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 2 | 316 | DD6 | C-C1-C2 | -7.12 | 111.27 | 122.82 |
| 30 | 14 | 310 | CLA | CMD-C2D-C1D | 7.12 | 137.27 | 124.73 |
| 39 | 5 | 314 | DD6 | C-C1-C2 | -7.12 | 111.28 | 122.82 |
| 38 | 4 | 310 | KC1 | CHB-C4A-C3A | -7.11 | 113.81 | 125.03 |
| 30 | B | 839 | CLA | O2D-CGD-CBD | 7.11 | 123.65 | 111.23 |
| 30 | A | 828 | CLA | CHD-C4C-C3C | -7.10 | 114.42 | 124.77 |
| 37 | 14 | 316 | A86 | C33-C32-C31 | 7.10 | 116.11 | 109.21 |
| 30 | A | 826 | CLA | O2D-CGD-CBD | 7.10 | 123.64 | 111.23 |
| 37 | 15 | 323 | A86 | C4-C5-C6 | -7.09 | 117.33 | 127.28 |
| 30 | 6 | 304 | CLA | CMD-C2D-C1D | 7.09 | 137.21 | 124.73 |
| 38 | 12 | 309 | KC1 | CHB-C4A-C3A | -7.09 | 113.84 | 125.03 |
| 37 | 15 | 315 | A86 | C33-C32-C31 | 7.08 | 116.10 | 109.21 |
| 37 | 6 | 320 | A86 | C33-C32-C31 | 7.08 | 116.09 | 109.21 |
| 38 | 16 | 311 | KC1 | CHB-C4A-C3A | -7.07 | 113.86 | 125.03 |
| 39 | 12 | 317 | DD6 | C13-C11-C10 | -7.07 | 107.89 | 119.01 |
| 39 | 6 | 303 | DD6 | C-C1-C2 | -7.05 | 111.39 | 122.82 |
| 38 | 4 | 308 | KC1 | CHB-C4A-C3A | -7.05 | 113.90 | 125.03 |
| 39 | 15 | 319 | DD6 | C37-C36-C31 | -7.04 | 110.99 | 124.16 |
| 30 | B | 835 | CLA | CMD-C2D-C1D | 7.04 | 137.13 | 124.73 |
| 39 | 2 | 317 | DD6 | C7-C6-C5 | -7.04 | 111.41 | 122.82 |
| 39 | 10 | 314 | DD6 | C8-C6-C5 | -7.03 | 107.95 | 119.01 |
| 37 | 10 | 316 | A86 | C4-C5-C6 | -7.03 | 117.42 | 127.28 |
| 30 | 15 | 306 | CLA | O2D-CGD-CBD | 7.03 | 123.52 | 111.23 |
| 30 | B | 825 | CLA | CMD-C2D-C1D | 7.02 | 137.10 | 124.73 |
| 37 | 4 | 317 | A86 | C33-C32-C31 | 7.02 | 116.04 | 109.21 |
| 30 | B | 832 | CLA | CMD-C2D-C1D | 7.01 | 137.08 | 124.73 |
| 30 | B | 820 | CLA | CHD-C4C-C3C | -7.01 | 114.55 | 124.77 |
| 30 | A | 827 | CLA | CMD-C2D-C1D | 7.00 | 137.06 | 124.73 |
| 30 | B | 823 | CLA | O2D-CGD-CBD | 7.00 | 123.47 | 111.23 |
| 37 | 10 | 315 | A86 | C33-C32-C31 | 7.00 | 116.02 | 109.21 |
| 30 | A | 835 | CLA | O2D-CGD-CBD | 7.00 | 123.47 | 111.23 |
| 39 | 3 | 313 | DD6 | C-C1-C2 | -7.00 | 111.47 | 122.82 |
| 30 | 16 | 308 | CLA | CMD-C2D-C1D | 7.00 | 137.05 | 124.73 |
| 39 | 7 | 314 | DD6 | C14-C13-C11 | 6.98 | 136.37 | 125.53 |
| 30 | A | 817 | CLA | CMD-C2D-C1D | 6.98 | 137.01 | 124.73 |
| 30 | B | 831 | CLA | O2D-CGD-CBD | 6.97 | 123.42 | 111.23 |
| 38 | 8 | 314 | KC1 | CMA-C3A-C4A | -6.97 | 114.15 | 125.03 |
| 30 | 15 | 314 | CLA | CMD-C2D-C1D | 6.96 | 136.98 | 124.73 |
| 38 | 6 | 311 | KC1 | CHB-C4A-C3A | -6.95 | 114.05 | 125.03 |
| 39 | 8 | 317 | DD6 | C24-C1-C2 | -6.95 | 108.08 | 119.01 |
| 30 | 16 | 310 | CLA | CMD-C2D-C1D | 6.95 | 136.96 | 124.73 |
| 39 | 6 | 321 | DD6 | C12-C11-C13 | -6.94 | 107.48 | 118.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 803 | CLA | C2D-C1D-ND | 6.94 | 117.00 | 110.13 |
| 38 | 8 | 314 | KC1 | CHB-C4A-C3A | -6.94 | 114.07 | 125.03 |
| 37 | 11 | 314 | A86 | C33-C32-C31 | 6.93 | 115.94 | 109.21 |
| 38 | 8 | 312 | KC1 | C2A-C3A-C4A | -6.92 | 101.22 | 106.41 |
| 30 | A | 828 | CLA | C2D-C1D-ND | 6.92 | 116.97 | 110.13 |
| 38 | 7 | 313 | KC1 | CHB-C4A-C3A | -6.91 | 114.11 | 125.03 |
| 30 | 9 | 302 | CLA | O2D-CGD-CBD | 6.91 | 123.31 | 111.23 |
| 39 | 13 | 314 | DD6 | C7-C6-C8 | -6.90 | 107.54 | 118.09 |
| 37 | 6 | 320 | A86 | O1-C20-C21 | -6.90 | 107.33 | 115.05 |
| 39 | 15 | 319 | DD6 | C13-C11-C10 | -6.90 | 108.15 | 119.01 |
| 37 | 3 | 314 | A86 | C33-C32-C31 | 6.90 | 115.92 | 109.21 |
| 39 | 6 | 303 | DD6 | C37-C36-C31 | -6.90 | 111.26 | 124.16 |
| 38 | 12 | 311 | KC1 | CHB-C4A-C3A | -6.90 | 114.14 | 125.03 |
| 38 | 3 | 304 | KC1 | O2D-CGD-CBD | 6.90 | 123.29 | 111.23 |
| 30 | 3 | 310 | CLA | CMD-C2D-C1D | 6.89 | 136.87 | 124.73 |
| 39 | 1 | 310 | DD6 | C-C1-C2 | -6.89 | 111.65 | 122.82 |
| 38 | 6 | 308 | KC1 | CHB-C4A-C3A | -6.89 | 114.15 | 125.03 |
| 30 | 15 | 302 | CLA | CMD-C2D-C1D | 6.88 | 136.85 | 124.73 |
| 37 | 4 | 312 | A86 | C4-C5-C6 | -6.88 | 117.62 | 127.28 |
| 30 | 3 | 303 | CLA | O2D-CGD-CBD | 6.88 | 123.26 | 111.23 |
| 30 | 7 | 312 | CLA | CMD-C2D-C1D | 6.88 | 136.84 | 124.73 |
| 39 | 6 | 303 | DD6 | C12-C11-C10 | -6.88 | 111.68 | 122.82 |
| 30 | 7 | 310 | CLA | CMD-C2D-C1D | 6.87 | 136.83 | 124.73 |
| 38 | 10 | 310 | KC1 | CHB-C4A-C3A | -6.87 | 114.18 | 125.03 |
| 39 | 7 | 302 | DD6 | C8-C6-C5 | -6.87 | 108.20 | 119.01 |
| 39 | 7 | 317 | DD6 | C7-C6-C5 | -6.86 | 111.69 | 122.82 |
| 30 | 15 | 309 | CLA | CMD-C2D-C1D | 6.86 | 136.80 | 124.73 |
| 30 | A | 835 | CLA | CMD-C2D-C1D | 6.86 | 136.80 | 124.73 |
| 37 | 15 | 316 | A86 | C33-C32-C31 | 6.85 | 115.87 | 109.21 |
| 30 | B | 802 | CLA | C2D-C1D-ND | 6.85 | 116.91 | 110.13 |
| 38 | 13 | 305 | KC1 | CHB-C4A-C3A | -6.85 | 114.22 | 125.03 |
| 30 | B | 817 | CLA | CMD-C2D-C1D | 6.84 | 136.78 | 124.73 |
| 39 | 10 | 313 | DD6 | C-C1-C24 | -6.84 | 107.64 | 118.09 |
| 37 | 10 | 301 | A86 | O1-C20-C21 | -6.83 | 107.41 | 115.05 |
| 30 | 13 | 301 | CLA | CMD-C2D-C1D | 6.83 | 136.76 | 124.73 |
| 30 | B | 824 | CLA | CMD-C2D-C1D | 6.83 | 136.75 | 124.73 |
| 30 | 13 | 309 | CLA | CMD-C2D-C1D | 6.83 | 136.75 | 124.73 |
| 38 | 13 | 311 | KC1 | CMA-C3A-C4A | -6.83 | 114.37 | 125.03 |
| 30 | B | 803 | CLA | C2D-C1D-ND | 6.83 | 116.88 | 110.13 |
| 30 | A | 827 | CLA | CHD-C4C-C3C | -6.82 | 114.82 | 124.77 |
| 30 | J | 101 | CLA | CMD-C2D-C1D | 6.82 | 136.74 | 124.73 |
| 39 | 5 | 313 | DD6 | C-C1-C2 | -6.82 | 111.77 | 122.82 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 310 | KC1 | CHB-C4A-C3A | -6.81 | 114.27 | 125.03 |
| 30 | A | 827 | CLA | C2D-C1D-ND | 6.81 | 116.86 | 110.13 |
| 39 | 3 | 313 | DD6 | C12-C11-C13 | -6.80 | 107.69 | 118.09 |
| 37 | 15 | 315 | A86 | C24-C1-C2 | 6.80 | 129.71 | 119.01 |
| 30 | 2 | 313 | CLA | CMD-C2D-C1D | 6.80 | 136.70 | 124.73 |
| 30 | 14 | 304 | CLA | CMD-C2D-C1D | 6.80 | 136.70 | 124.73 |
| 30 | 2 | 305 | CLA | O2D-CGD-CBD | 6.79 | 123.11 | 111.23 |
| 30 | 4 | 304 | CLA | CMD-C2D-C1D | 6.79 | 136.69 | 124.73 |
| 30 | A | 837 | CLA | CMD-C2D-C1D | 6.79 | 136.69 | 124.73 |
| 30 | 1 | 305 | CLA | CMD-C2D-C1D | 6.79 | 136.69 | 124.73 |
| 37 | 5 | 301 | A86 | C33-C32-C31 | 6.79 | 115.81 | 109.21 |
| 30 | 13 | 304 | CLA | CMD-C2D-C1D | 6.78 | 136.67 | 124.73 |
| 38 | 14 | 306 | KC1 | CMA-C3A-C2A | -6.78 | 112.02 | 128.43 |
| 30 | 6 | 317 | CLA | CMD-C2D-C1D | 6.77 | 136.66 | 124.73 |
| 30 | 14 | 313 | CLA | CMD-C2D-C1D | 6.77 | 136.66 | 124.73 |
| 39 | 6 | 321 | DD6 | C7-C6-C5 | -6.77 | 111.84 | 122.82 |
| 30 | A | 806 | CLA | CMD-C2D-C1D | 6.77 | 136.66 | 124.73 |
| 30 | B | 837 | CLA | CMD-C2D-C1D | 6.77 | 136.65 | 124.73 |
| 38 | 14 | 311 | KC1 | CHB-C4A-C3A | -6.77 | 114.34 | 125.03 |
| 30 | 9 | 306 | CLA | CMD-C2D-C1D | 6.77 | 136.65 | 124.73 |
| 30 | A | 829 | CLA | CMD-C2D-C1D | 6.76 | 136.64 | 124.73 |
| 30 | A | 819 | CLA | CMD-C2D-C1D | 6.76 | 136.64 | 124.73 |
| 39 | 11 | 313 | DD6 | C12-C11-C13 | -6.76 | 107.76 | 118.09 |
| 39 | 6 | 318 | DD6 | C-C1-C2 | -6.76 | 111.86 | 122.82 |
| 30 | B | 836 | CLA | C2D-C1D-ND | 6.76 | 116.82 | 110.13 |
| 30 | 9 | 305 | CLA | O2D-CGD-CBD | 6.75 | 123.04 | 111.23 |
| 30 | L | 203 | CLA | CMD-C2D-C1D | 6.75 | 136.62 | 124.73 |
| 30 | A | 844 | CLA | CMD-C2D-C1D | 6.75 | 136.62 | 124.73 |
| 30 | 13 | 303 | CLA | CMD-C2D-C1D | 6.75 | 136.62 | 124.73 |
| 30 | 15 | 304 | CLA | CMD-C2D-C1D | 6.75 | 136.62 | 124.73 |
| 30 | A | 810 | CLA | CMD-C2D-C1D | 6.75 | 136.61 | 124.73 |
| 30 | 12 | 304 | CLA | CMD-C2D-C1D | 6.75 | 136.61 | 124.73 |
| 37 | 1 | 309 | A86 | C33-C32-C31 | 6.75 | 115.77 | 109.21 |
| 30 | B | 823 | CLA | CMD-C2D-C1D | 6.74 | 136.59 | 124.73 |
| 38 | 2 | 306 | KC1 | CHB-C4A-C3A | -6.74 | 114.39 | 125.03 |
| 30 | 4 | 302 | CLA | CMD-C2D-C1D | 6.74 | 136.59 | 124.73 |
| 30 | 9 | 301 | CLA | O2D-CGD-CBD | 6.73 | 123.00 | 111.23 |
| 30 | A | 824 | CLA | CMD-C2D-C1D | 6.73 | 136.59 | 124.73 |
| 38 | 11 | 311 | KC1 | CHB-C4A-C3A | -6.73 | 114.40 | 125.03 |
| 30 | 9 | 302 | CLA | CMD-C2D-C1D | 6.73 | 136.58 | 124.73 |
| 30 | 6 | 305 | CLA | CMD-C2D-C1D | 6.73 | 136.57 | 124.73 |
| 39 | 15 | 318 | DD6 | O1-C15-C14 | -6.73 | 97.61 | 116.88 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 13 | 308 | KC1 | CHB-C4A-C3A | -6.71 | 114.43 | 125.03 |
| 37 | 7 | 319 | A86 | C25-C26-C27 | -6.71 | 117.87 | 127.28 |
| 38 | 8 | 307 | KC1 | CHB-C4A-C3A | -6.71 | 114.44 | 125.03 |
| 30 | A | 834 | CLA | CMD-C2D-C1D | 6.71 | 136.54 | 124.73 |
| 39 | 12 | 317 | DD6 | C12-C11-C13 | -6.70 | 107.85 | 118.09 |
| 38 | 11 | 312 | KC1 | CHB-C4A-C3A | -6.70 | 114.44 | 125.03 |
| 30 | 8 | 305 | CLA | C2D-C1D-ND | 6.70 | 116.76 | 110.13 |
| 30 | 9 | 307 | CLA | CMD-C2D-C1D | 6.70 | 136.53 | 124.73 |
| 38 | 5 | 310 | KC1 | CHB-C4A-C3A | -6.70 | 114.45 | 125.03 |
| 38 | 12 | 305 | KC1 | CHB-C4A-C3A | -6.70 | 114.45 | 125.03 |
| 38 | 16 | 304 | KC1 | CHB-C4A-C3A | -6.69 | 114.46 | 125.03 |
| 30 | 8 | 302 | CLA | CMD-C2D-C1D | 6.69 | 136.51 | 124.73 |
| 30 | B | 808 | CLA | CMD-C2D-C1D | 6.69 | 136.51 | 124.73 |
| 30 | B | 828 | CLA | O2D-CGD-CBD | 6.69 | 122.92 | 111.23 |
| 38 | 5 | 306 | KC1 | CHB-C4A-C3A | -6.68 | 114.48 | 125.03 |
| 37 | 15 | 322 | A86 | C25-C26-C27 | -6.68 | 117.91 | 127.28 |
| 38 | 1 | 308 | KC1 | CHB-C4A-C3A | -6.68 | 114.48 | 125.03 |
| 38 | 13 | 312 | KC1 | CHB-C4A-C3A | -6.68 | 114.48 | 125.03 |
| 30 | 16 | 303 | CLA | C2D-C1D-ND | 6.68 | 116.74 | 110.13 |
| 30 | 10 | 305 | CLA | CMD-C2D-C1D | 6.68 | 136.49 | 124.73 |
| 39 | 6 | 318 | DD6 | C7-C6-C5 | -6.68 | 112.00 | 122.82 |
| 30 | 8 | 305 | CLA | CMD-C2D-C1D | 6.67 | 136.48 | 124.73 |
| 37 | 15 | 317 | A86 | C36-C31-C32 | -6.67 | 113.08 | 119.70 |
| 30 | B | 851 | CLA | CMD-C2D-C1D | 6.67 | 136.48 | 124.73 |
| 30 | 15 | 311 | CLA | CMD-C2D-C1D | 6.67 | 136.48 | 124.73 |
| 38 | 14 | 308 | KC1 | CHB-C4A-C3A | -6.67 | 114.50 | 125.03 |
| 30 | 4 | 311 | CLA | CMD-C2D-C1D | 6.66 | 136.46 | 124.73 |
| 30 | B | 839 | CLA | CHD-C4C-C3C | -6.66 | 115.06 | 124.77 |
| 30 | 15 | 313 | CLA | CMD-C2D-C1D | 6.66 | 136.46 | 124.73 |
| 38 | 13 | 310 | KC1 | CHB-C4A-C3A | -6.66 | 114.51 | 125.03 |
| 30 | 14 | 312 | CLA | CMD-C2D-C1D | 6.66 | 136.46 | 124.73 |
| 30 | B | 816 | CLA | CMD-C2D-C1D | 6.66 | 136.45 | 124.73 |
| 38 | 8 | 306 | KC1 | CHB-C4A-C3A | -6.65 | 114.53 | 125.03 |
| 30 | 2 | 309 | CLA | CMD-C2D-C1D | 6.65 | 136.44 | 124.73 |
| 38 | 4 | 307 | KC1 | CHB-C4A-C3A | -6.64 | 114.54 | 125.03 |
| 39 | 4 | 313 | DD6 | C21-C20-C19 | -6.64 | 106.78 | 114.24 |
| 38 | 3 | 308 | KC1 | CHB-C4A-C3A | -6.64 | 114.55 | 125.03 |
| 37 | 4 | 317 | A86 | C3-C2-C1 | -6.64 | 117.97 | 127.28 |
| 30 | A | 808 | CLA | CMD-C2D-C1D | 6.64 | 136.41 | 124.73 |
| 30 | 11 | 304 | CLA | CMD-C2D-C1D | 6.63 | 136.41 | 124.73 |
| 30 | 14 | 309 | CLA | CMD-C2D-C1D | 6.63 | 136.41 | 124.73 |
| 37 | 4 | 317 | A86 | C25-C26-C27 | -6.63 | 117.97 | 127.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 303 | CLA | CMD-C2D-C1D | 6.63 | 136.41 | 124.73 |
| 30 | 4 | 301 | CLA | CMD-C2D-C1D | 6.63 | 136.40 | 124.73 |
| 30 | 10 | 311 | CLA | CMD-C2D-C1D | 6.63 | 136.40 | 124.73 |
| 30 | 14 | 307 | CLA | C2D-C1D-ND | 6.63 | 116.69 | 110.13 |
| 30 | 5 | 311 | CLA | O2D-CGD-CBD | 6.63 | 122.82 | 111.23 |
| 30 | 9 | 301 | CLA | C2D-C1D-ND | 6.63 | 116.69 | 110.13 |
| 37 | 11 | 316 | A86 | C33-C32-C31 | 6.63 | 115.65 | 109.21 |
| 38 | 3 | 311 | KC1 | CHB-C4A-C3A | -6.63 | 114.56 | 125.03 |
| 39 | 6 | 319 | DD6 | C-C1-C2 | -6.63 | 112.08 | 122.82 |
| 37 | 5 | 315 | A86 | C33-C32-C31 | 6.62 | 115.65 | 109.21 |
| 39 | 12 | 317 | DD6 | C24-C1-C2 | -6.62 | 108.59 | 119.01 |
| 30 | 3 | 309 | CLA | CMD-C2D-C1D | 6.62 | 136.39 | 124.73 |
| 38 | 1 | 306 | KC1 | CHB-C4A-C3A | -6.61 | 114.59 | 125.03 |
| 30 | 15 | 303 | CLA | CMD-C2D-C1D | 6.61 | 136.36 | 124.73 |
| 39 | 8 | 316 | DD6 | C-C1-C2 | -6.61 | 112.11 | 122.82 |
| 30 | B | 804 | CLA | O2D-CGD-CBD | 6.61 | 122.78 | 111.23 |
| 30 | B | 836 | CLA | CMD-C2D-C1D | 6.60 | 136.36 | 124.73 |
| 30 | 8 | 308 | CLA | CMD-C2D-C1D | 6.60 | 136.36 | 124.73 |
| 38 | 4 | 310 | KC1 | C3B-C2B-C1B | -6.60 | 100.80 | 107.05 |
| 30 | B | 821 | CLA | CMD-C2D-C1D | 6.60 | 136.35 | 124.73 |
| 30 | 12 | 312 | CLA | CMD-C2D-C1D | 6.59 | 136.34 | 124.73 |
| 39 | 2 | 315 | DD6 | C-C1-C24 | -6.59 | 108.02 | 118.09 |
| 30 | A | 806 | CLA | C2D-C1D-ND | 6.59 | 116.65 | 110.13 |
| 30 | 2 | 301 | CLA | CBC-CAC-C3C | -6.59 | 94.55 | 112.42 |
| 30 | A | 825 | CLA | CMD-C2D-C1D | 6.59 | 136.33 | 124.73 |
| 38 | 5 | 312 | KC1 | CHB-C4A-C3A | -6.59 | 114.62 | 125.03 |
| 39 | 15 | 318 | DD6 | C13-C11-C10 | -6.58 | 108.65 | 119.01 |
| 30 | 16 | 309 | CLA | CMD-C2D-C1D | 6.58 | 136.32 | 124.73 |
| 30 | 15 | 305 | CLA | CMD-C2D-C1D | 6.58 | 136.31 | 124.73 |
| 39 | 7 | 318 | DD6 | C12-C11-C13 | -6.58 | 108.04 | 118.09 |
| 30 | B | 818 | CLA | CMD-C2D-C1D | 6.58 | 136.31 | 124.73 |
| 30 | 7 | 309 | CLA | CMD-C2D-C1D | 6.58 | 136.31 | 124.73 |
| 30 | B | 831 | CLA | CMD-C2D-C1D | 6.58 | 136.31 | 124.73 |
| 39 | 8 | 317 | DD6 | C-C1-C2 | -6.58 | 112.16 | 122.82 |
| 30 | B | 806 | CLA | CMD-C2D-C1D | 6.58 | 136.31 | 124.73 |
| 38 | 8 | 313 | KC1 | CHB-C4A-C3A | -6.57 | 114.66 | 125.03 |
| 30 | 16 | 301 | CLA | C2D-C1D-ND | 6.57 | 116.63 | 110.13 |
| 37 | 16 | 314 | A86 | C33-C32-C31 | 6.57 | 115.59 | 109.21 |
| 30 | 11 | 308 | CLA | CMD-C2D-C1D | 6.57 | 136.29 | 124.73 |
| 30 | A | 818 | CLA | CMD-C2D-C1D | 6.56 | 136.28 | 124.73 |
| 39 | 5 | 314 | DD6 | C24-C1-C2 | -6.56 | 108.69 | 119.01 |
| 30 | 1 | 307 | CLA | CMD-C2D-C1D | 6.55 | 136.27 | 124.73 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 310 | CLA | CMD-C2D-C1D | 6.55 | 136.27 | 124.73 |
| 38 | 3 | 304 | KC1 | CHB-C4A-C3A | -6.55 | 114.69 | 125.03 |
| 30 | 7 | 307 | CLA | C2D-C1D-ND | 6.55 | 116.61 | 110.13 |
| 37 | 15 | 323 | A86 | C33-C32-C31 | 6.55 | 115.57 | 109.21 |
| 30 | 7 | 305 | CLA | O2D-CGD-CBD | 6.54 | 122.67 | 111.23 |
| 30 | 6 | 315 | CLA | CMD-C2D-C1D | 6.54 | 136.25 | 124.73 |
| 30 | B | 834 | CLA | CHD-C4C-C3C | -6.54 | 115.24 | 124.77 |
| 30 | 14 | 303 | CLA | CMD-C2D-C1D | 6.53 | 136.24 | 124.73 |
| 38 | 10 | 312 | KC1 | CHB-C4A-C3A | -6.53 | 114.71 | 125.03 |
| 38 | 7 | 308 | KC1 | CHB-C4A-C3A | -6.53 | 114.72 | 125.03 |
| 30 | B | 801 | CLA | CHD-C4C-C3C | -6.53 | 115.25 | 124.77 |
| 30 | 1 | 304 | CLA | CHD-C4C-C3C | -6.52 | 115.26 | 124.77 |
| 30 | 16 | 301 | CLA | CHD-C4C-C3C | -6.52 | 115.26 | 124.77 |
| 30 | 4 | 309 | CLA | CMD-C2D-C1D | 6.52 | 136.21 | 124.73 |
| 39 | 9 | 314 | DD6 | C7-C6-C8 | -6.52 | 108.13 | 118.09 |
| 38 | 7 | 308 | KC1 | CMA-C3A-C2A | -6.51 | 112.67 | 128.43 |
| 38 | 7 | 313 | KC1 | C3B-C2B-C1B | -6.51 | 100.88 | 107.05 |
| 30 | A | 812 | CLA | CMD-C2D-C1D | 6.51 | 136.20 | 124.73 |
| 30 | 6 | 306 | CLA | CMD-C2D-C1D | 6.51 | 136.19 | 124.73 |
| 30 | A | 823 | CLA | C2D-C1D-ND | 6.51 | 116.57 | 110.13 |
| 30 | 3 | 305 | CLA | CMD-C2D-C1D | 6.51 | 136.19 | 124.73 |
| 38 | 14 | 308 | KC1 | CMA-C3A-C2A | -6.51 | 112.68 | 128.43 |
| 30 | 5 | 302 | CLA | CMD-C2D-C1D | 6.51 | 136.19 | 124.73 |
| 38 | 16 | 304 | KC1 | CMA-C3A-C4A | -6.50 | 114.87 | 125.03 |
| 38 | 16 | 311 | KC1 | C3A-C4A-NA | 6.50 | 118.50 | 110.45 |
| 38 | 5 | 306 | KC1 | C3B-C2B-C1B | -6.50 | 100.90 | 107.05 |
| 38 | 14 | 306 | KC1 | CHB-C4A-C3A | -6.50 | 114.77 | 125.03 |
| 30 | A | 818 | CLA | C2D-C1D-ND | 6.49 | 116.55 | 110.13 |
| 30 | 13 | 307 | CLA | CMD-C2D-C1D | 6.49 | 136.16 | 124.73 |
| 30 | 6 | 316 | CLA | CMD-C2D-C1D | 6.49 | 136.16 | 124.73 |
| 30 | 5 | 304 | CLA | CMD-C2D-C1D | 6.49 | 136.16 | 124.73 |
| 30 | B | 833 | CLA | CMD-C2D-C1D | 6.49 | 136.15 | 124.73 |
| 38 | 12 | 309 | KC1 | C3B-C2B-C1B | -6.48 | 100.91 | 107.05 |
| 38 | 8 | 310 | KC1 | CHB-C4A-C3A | -6.48 | 114.80 | 125.03 |
| 38 | 2 | 312 | KC1 | CHB-C4A-C3A | -6.48 | 114.80 | 125.03 |
| 38 | 9 | 311 | KC1 | O2D-CGD-CBD | 6.48 | 122.56 | 111.23 |
| 39 | 3 | 312 | DD6 | C7-C6-C5 | -6.48 | 112.32 | 122.82 |
| 39 | 7 | 317 | DD6 | C12-C11-C13 | -6.48 | 108.19 | 118.09 |
| 30 | 10 | 304 | CLA | CMD-C2D-C1D | 6.48 | 136.13 | 124.73 |
| 38 | 3 | 311 | KC1 | C1A-C2A-C3A | -6.48 | 101.33 | 107.28 |
| 30 | 9 | 308 | CLA | O2D-CGD-CBD | 6.47 | 122.54 | 111.23 |
| 37 | 9 | 316 | A86 | C33-C32-C31 | 6.47 | 115.50 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 6 | 320 | A86 | C4-C5-C6 | -6.47 | 118.21 | 127.28 |
| 30 | 10 | 308 | CLA | CMD-C2D-C1D | 6.47 | 136.12 | 124.73 |
| 38 | 13 | 306 | KC1 | C1A-C2A-C3A | -6.47 | 101.34 | 107.28 |
| 37 | 7 | 315 | A86 | C3-C2-C1 | -6.46 | 118.21 | 127.28 |
| 30 | 16 | 302 | CLA | CMD-C2D-C1D | 6.46 | 136.11 | 124.73 |
| 37 | 15 | 315 | A86 | C3-C4-C5 | -6.46 | 110.29 | 123.52 |
| 30 | A | 833 | CLA | CMD-C2D-C1D | 6.46 | 136.11 | 124.73 |
| 39 | 11 | 313 | DD6 | C-C1-C24 | -6.45 | 108.23 | 118.09 |
| 38 | 10 | 306 | KC1 | CHB-C4A-C3A | -6.45 | 114.85 | 125.03 |
| 30 | A | 820 | CLA | CMD-C2D-C1D | 6.44 | 136.07 | 124.73 |
| 30 | 9 | 305 | CLA | CMD-C2D-C1D | 6.44 | 136.07 | 124.73 |
| 39 | 7 | 314 | DD6 | C9-C10-C11 | -6.44 | 118.24 | 127.28 |
| 37 | 11 | 315 | A86 | C4-C5-C6 | -6.44 | 118.25 | 127.28 |
| 30 | F | 201 | CLA | C2D-C1D-ND | 6.44 | 116.50 | 110.13 |
| 30 | A | 832 | CLA | O2D-CGD-CBD | 6.44 | 122.49 | 111.23 |
| 38 | 11 | 307 | KC1 | CHB-C4A-C3A | -6.44 | 114.86 | 125.03 |
| 30 | 3 | 307 | CLA | CMD-C2D-C1D | 6.44 | 136.07 | 124.73 |
| 30 | 14 | 307 | CLA | CMD-C2D-C1D | 6.44 | 136.06 | 124.73 |
| 30 | A | 806 | CLA | O2D-CGD-CBD | 6.44 | 122.48 | 111.23 |
| 30 | A | 839 | CLA | CMD-C2D-C1D | 6.44 | 136.06 | 124.73 |
| 30 | F | 202 | CLA | C2D-C1D-ND | 6.43 | 116.49 | 110.13 |
| 30 | 15 | 302 | CLA | O2D-CGD-CBD | 6.43 | 122.47 | 111.23 |
| 30 | B | 825 | CLA | O2D-CGD-CBD | 6.43 | 122.47 | 111.23 |
| 38 | 6 | 313 | KC1 | CHB-C4A-C3A | -6.43 | 114.88 | 125.03 |
| 30 | F | 202 | CLA | CMD-C2D-C1D | 6.43 | 136.04 | 124.73 |
| 39 | 3 | 316 | DD6 | C24-C1-C2 | -6.43 | 108.90 | 119.01 |
| 38 | 13 | 306 | KC1 | CHB-C4A-C3A | -6.42 | 114.89 | 125.03 |
| 30 | 9 | 301 | CLA | CMD-C2D-C1D | 6.42 | 136.04 | 124.73 |
| 38 | 2 | 314 | KC1 | CHB-C4A-C3A | -6.42 | 114.89 | 125.03 |
| 37 | 10 | 317 | A86 | C33-C32-C31 | 6.42 | 115.45 | 109.21 |
| 30 | A | 811 | CLA | CMD-C2D-C1D | 6.41 | 136.03 | 124.73 |
| 38 | 10 | 310 | KC1 | C3A-C4A-NA | 6.41 | 118.39 | 110.45 |
| 38 | 8 | 311 | KC1 | CHB-C4A-C3A | -6.41 | 114.90 | 125.03 |
| 38 | 5 | 305 | KC1 | CHB-C4A-C3A | -6.41 | 114.91 | 125.03 |
| 38 | 9 | 304 | KC1 | CHB-C4A-C3A | -6.41 | 114.91 | 125.03 |
| 30 | 7 | 307 | CLA | CMD-C2D-C1D | 6.41 | 136.01 | 124.73 |
| 30 | 12 | 321 | CLA | CMD-C2D-C1D | 6.41 | 136.01 | 124.73 |
| 30 | 16 | 303 | CLA | CMD-C2D-C1D | 6.41 | 136.01 | 124.73 |
| 38 | 4 | 308 | KC1 | CMA-C3A-C4A | -6.41 | 115.02 | 125.03 |
| 39 | 3 | 313 | DD6 | C8-C6-C5 | -6.40 | 108.94 | 119.01 |
| 38 | 8 | 312 | KC1 | CMA-C3A-C2A | -6.40 | 112.94 | 128.43 |
| 39 | 4 | 316 | DD6 | C-C1-C24 | -6.40 | 108.31 | 118.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 2 | 316 | DD6 | C9-C10-C11 | -6.40 | 118.31 | 127.28 |
| 38 | 16 | 311 | KC1 | C3B-C2B-C1B | -6.40 | 100.99 | 107.05 |
| 30 | B | 815 | CLA | CMD-C2D-C1D | 6.40 | 135.99 | 124.73 |
| 30 | B | 838 | CLA | CMD-C2D-C1D | 6.39 | 135.99 | 124.73 |
| 30 | 8 | 309 | CLA | CMD-C2D-C1D | 6.39 | 135.99 | 124.73 |
| 30 | 2 | 303 | CLA | C2D-C1D-ND | 6.39 | 116.45 | 110.13 |
| 30 | 1 | 303 | CLA | CMD-C2D-C1D | 6.39 | 135.98 | 124.73 |
| 30 | 15 | 306 | CLA | CMD-C2D-C1D | 6.39 | 135.98 | 124.73 |
| 30 | A | 823 | CLA | CMD-C2D-C1D | 6.39 | 135.98 | 124.73 |
| 30 | 8 | 305 | CLA | CHD-C4C-C3C | -6.39 | 115.46 | 124.77 |
| 30 | B | 839 | CLA | C2D-C1D-ND | 6.38 | 116.44 | 110.13 |
| 30 | 12 | 310 | CLA | CMD-C2D-C1D | 6.38 | 135.97 | 124.73 |
| 39 | 5 | 313 | DD6 | C24-C1-C2 | -6.38 | 108.97 | 119.01 |
| 39 | 15 | 318 | DD6 | C-C1-C2 | -6.38 | 112.48 | 122.82 |
| 38 | 11 | 305 | KC1 | CHB-C4A-C3A | -6.38 | 114.95 | 125.03 |
| 30 | A | 828 | CLA | O2D-CGD-CBD | 6.38 | 122.39 | 111.23 |
| 30 | A | 818 | CLA | CHD-C4C-C3C | -6.38 | 115.47 | 124.77 |
| 30 | 6 | 310 | CLA | CMD-C2D-C1D | 6.38 | 135.96 | 124.73 |
| 38 | 8 | 314 | KC1 | C3B-C2B-C1B | -6.37 | 101.02 | 107.05 |
| 30 | A | 830 | CLA | CHD-C4C-C3C | -6.37 | 115.48 | 124.77 |
| 37 | 10 | 301 | A86 | C-C1-C24 | 6.37 | 127.82 | 118.09 |
| 39 | 15 | 319 | DD6 | C12-C11-C13 | -6.37 | 108.36 | 118.09 |
| 39 | 7 | 318 | DD6 | C7-C6-C8 | -6.37 | 108.36 | 118.09 |
| 30 | 11 | 306 | CLA | CMD-C2D-C1D | 6.37 | 135.94 | 124.73 |
| 39 | 6 | 321 | DD6 | C24-C1-C2 | -6.36 | 109.00 | 119.01 |
| 30 | B | 815 | CLA | O2D-CGD-CBD | 6.36 | 122.35 | 111.23 |
| 30 | 1 | 302 | CLA | CMD-C2D-C1D | 6.36 | 135.92 | 124.73 |
| 30 | 10 | 303 | CLA | CMD-C2D-C1D | 6.36 | 135.92 | 124.73 |
| 30 | 16 | 307 | CLA | CMD-C2D-C1D | 6.36 | 135.92 | 124.73 |
| 30 | 4 | 303 | CLA | CMD-C2D-C1D | 6.35 | 135.92 | 124.73 |
| 30 | 7 | 303 | CLA | C2D-C1D-ND | 6.35 | 116.41 | 110.13 |
| 30 | B | 804 | CLA | C2D-C1D-ND | 6.35 | 116.41 | 110.13 |
| 38 | 5 | 306 | KC1 | C1A-C2A-C3A | -6.35 | 101.44 | 107.28 |
| 38 | 2 | 306 | KC1 | O2D-CGD-CBD | 6.35 | 122.33 | 111.23 |
| 37 | 2u | 203 | A86 | C33-C32-C31 | 6.35 | 115.38 | 109.21 |
| 30 | B | 822 | CLA | CMD-C2D-C1D | 6.34 | 135.90 | 124.73 |
| 30 | 10 | 309 | CLA | CMD-C2D-C1D | 6.34 | 135.90 | 124.73 |
| 30 | A | 838 | CLA | CMD-C2D-C1D | 6.34 | 135.89 | 124.73 |
| 30 | A | 805 | CLA | O2D-CGD-CBD | 6.34 | 122.31 | 111.23 |
| 30 | 14 | 305 | CLA | CMD-C2D-C1D | 6.34 | 135.89 | 124.73 |
| 30 | B | 807 | CLA | CMD-C2D-C1D | 6.34 | 135.88 | 124.73 |
| 39 | 2 | 317 | DD6 | C4-C5-C6 | -6.33 | 118.40 | 127.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 311 | KC1 | CHB-C4A-C3A | -6.33 | 115.04 | 125.03 |
| 30 | 6 | 307 | CLA | CMD-C2D-C1D | 6.33 | 135.87 | 124.73 |
| 30 | F | 201 | CLA | CHD-C4C-C3C | -6.32 | 115.55 | 124.77 |
| 30 | B | 805 | CLA | CMD-C2D-C1D | 6.32 | 135.86 | 124.73 |
| 30 | 5 | 311 | CLA | CMD-C2D-C1D | 6.32 | 135.86 | 124.73 |
| 39 | 7 | 314 | DD6 | C7-C6-C5 | -6.32 | 112.58 | 122.82 |
| 39 | 6 | 303 | DD6 | C35-C36-C31 | -6.31 | 107.37 | 120.50 |
| 30 | A | 831 | CLA | O2D-CGD-O1D | -6.31 | 111.56 | 123.85 |
| 37 | 2u | 205 | A86 | O4-C38-C39 | 6.31 | 122.34 | 111.09 |
| 38 | 2 | 306 | KC1 | C3B-C2B-C1B | -6.31 | 101.08 | 107.05 |
| 30 | 4 | 301 | CLA | C2D-C1D-ND | 6.31 | 116.37 | 110.13 |
| 30 | 15 | 314 | CLA | C2D-C1D-ND | 6.31 | 116.37 | 110.13 |
| 30 | A | 807 | CLA | CMD-C2D-C1D | 6.30 | 135.83 | 124.73 |
| 39 | 7 | 318 | DD6 | C8-C6-C5 | -6.30 | 109.10 | 119.01 |
| 30 | B | 810 | CLA | CMD-C2D-C1D | 6.30 | 135.82 | 124.73 |
| 38 | 12 | 313 | KC1 | C3B-C2B-C1B | -6.30 | 101.09 | 107.05 |
| 38 | 6 | 312 | KC1 | CHB-C4A-C3A | -6.29 | 115.09 | 125.03 |
| 39 | 13 | 314 | DD6 | C14-C13-C11 | 6.29 | 135.29 | 125.53 |
| 30 | B | 826 | CLA | C2D-C1D-ND | 6.29 | 116.35 | 110.13 |
| 30 | B | 813 | CLA | CMD-C2D-C1D | 6.29 | 135.81 | 124.73 |
| 39 | 7 | 314 | DD6 | O1-C20-C21 | -6.29 | 108.02 | 115.05 |
| 38 | 3 | 304 | KC1 | CMD-C2D-C1D | 6.28 | 137.66 | 128.46 |
| 30 | 11 | 309 | CLA | CMD-C2D-C1D | 6.28 | 135.78 | 124.73 |
| 37 | 10 | 301 | A86 | C4-C5-C6 | -6.27 | 118.48 | 127.28 |
| 30 | 13 | 301 | CLA | C2D-C1D-ND | 6.27 | 116.33 | 110.13 |
| 30 | A | 814 | CLA | CMD-C2D-C1D | 6.27 | 135.77 | 124.73 |
| 30 | 16 | 301 | CLA | CMD-C2D-C1D | 6.27 | 135.77 | 124.73 |
| 37 | 2u | 203 | A86 | O4-C38-C39 | 6.27 | 122.27 | 111.09 |
| 30 | A | 832 | CLA | CMD-C2D-C1D | 6.26 | 135.76 | 124.73 |
| 30 | B | 834 | CLA | CMD-C2D-C1D | 6.26 | 135.75 | 124.73 |
| 37 | 15 | 320 | A86 | C4-C5-C6 | -6.26 | 118.50 | 127.28 |
| 39 | 5 | 313 | DD6 | C7-C6-C5 | -6.26 | 112.68 | 122.82 |
| 30 | A | 812 | CLA | C2D-C1D-ND | 6.25 | 116.31 | 110.13 |
| 30 | F | 203 | CLA | CMD-C2D-C1D | 6.25 | 135.73 | 124.73 |
| 30 | 9 | 307 | CLA | CHD-C4C-C3C | -6.25 | 115.66 | 124.77 |
| 30 | 9 | 308 | CLA | CMD-C2D-C1D | 6.25 | 135.73 | 124.73 |
| 30 | 2 | 304 | CLA | O2D-CGD-CBD | 6.25 | 122.15 | 111.23 |
| 30 | 4 | 306 | CLA | CMD-C2D-C1D | 6.24 | 135.72 | 124.73 |
| 38 | 6 | 311 | KC1 | C3A-C4A-NA | 6.24 | 118.18 | 110.45 |
| 38 | 6 | 308 | KC1 | C3B-C2B-C1B | -6.24 | 101.14 | 107.05 |
| 30 | 4 | 305 | CLA | CMD-C2D-C1D | 6.24 | 135.72 | 124.73 |
| 38 | 14 | 306 | KC1 | CAC-C3C-C4C | 6.24 | 132.91 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 5 | 309 | CLA | CMD-C2D-C1D | 6.24 | 135.71 | 124.73 |
| 30 | A | 819 | CLA | CHD-C4C-C3C | -6.24 | 115.68 | 124.77 |
| 38 | 9 | 310 | KC1 | C3B-C2B-C1B | -6.24 | 101.15 | 107.05 |
| 30 | B | 839 | CLA | C4A-NA-C1A | -6.23 | 103.84 | 106.68 |
| 38 | 5 | 306 | KC1 | C2B-C1B-NB | 6.23 | 116.29 | 110.13 |
| 30 | B | 816 | CLA | C2D-C1D-ND | 6.23 | 116.29 | 110.13 |
| 38 | 11 | 312 | KC1 | C1A-C2A-C3A | -6.23 | 101.56 | 107.28 |
| 30 | A | 804 | CLA | CMD-C2D-C1D | 6.22 | 135.69 | 124.73 |
| 30 | 5 | 303 | CLA | CMD-C2D-C1D | 6.22 | 135.68 | 124.73 |
| 30 | 12 | 302 | CLA | CMD-C2D-C1D | 6.22 | 135.68 | 124.73 |
| 30 | A | 809 | CLA | CMD-C2D-C1D | 6.22 | 135.68 | 124.73 |
| 38 | 4 | 310 | KC1 | C3A-C4A-NA | 6.21 | 118.14 | 110.45 |
| 30 | 1 | 301 | CLA | CMD-C2D-C1D | 6.21 | 135.66 | 124.73 |
| 30 | 16 | 309 | CLA | O2D-CGD-CBD | 6.21 | 122.08 | 111.23 |
| 30 | 2 | 304 | CLA | CMD-C2D-C1D | 6.21 | 135.66 | 124.73 |
| 30 | A | 842 | CLA | C2D-C1D-ND | 6.20 | 116.27 | 110.13 |
| 30 | 2 | 311 | CLA | CMD-C2D-C1D | 6.20 | 135.65 | 124.73 |
| 38 | 12 | 313 | KC1 | C2B-C1B-NB | 6.20 | 116.26 | 110.13 |
| 38 | 12 | 311 | KC1 | C1A-C2A-C3A | -6.20 | 101.58 | 107.28 |
| 39 | 16 | 313 | DD6 | C9-C10-C11 | -6.20 | 118.59 | 127.28 |
| 29 | A | 801 | CL0 | CHD-C4C-C3C | -6.19 | 115.74 | 124.77 |
| 37 | 11 | 301 | A86 | C3-C2-C1 | -6.19 | 118.59 | 127.28 |
| 38 | 4 | 308 | KC1 | C3B-C2B-C1B | -6.19 | 101.19 | 107.05 |
| 38 | 8 | 314 | KC1 | C2B-C1B-NB | 6.19 | 116.25 | 110.13 |
| 30 | 8 | 301 | CLA | CHD-C4C-C3C | -6.19 | 115.75 | 124.77 |
| 30 | 13 | 301 | CLA | CHD-C4C-C3C | -6.19 | 115.75 | 124.77 |
| 30 | B | 817 | CLA | C2D-C1D-ND | 6.19 | 116.25 | 110.13 |
| 30 | A | 842 | CLA | CHD-C4C-C3C | -6.18 | 115.76 | 124.77 |
| 30 | 5 | 307 | CLA | CHD-C4C-C3C | -6.18 | 115.76 | 124.77 |
| 30 | A | 821 | CLA | O2D-CGD-CBD | 6.18 | 122.04 | 111.23 |
| 30 | 2 | 301 | CLA | C2D-C1D-ND | 6.18 | 116.24 | 110.13 |
| 39 | 7 | 318 | DD6 | C13-C11-C10 | -6.18 | 109.29 | 119.01 |
| 38 | 8 | 306 | KC1 | CMA-C3A-C2A | -6.18 | 113.47 | 128.43 |
| 39 | 1 | 310 | DD6 | C12-C11-C13 | -6.18 | 108.65 | 118.09 |
| 39 | 6 | 319 | DD6 | C7-C6-C5 | -6.17 | 112.81 | 122.82 |
| 30 | B | 807 | CLA | C2D-C1D-ND | 6.17 | 116.23 | 110.13 |
| 30 | A | 804 | CLA | C2D-C1D-ND | 6.17 | 116.23 | 110.13 |
| 37 | 1 | 309 | A86 | C4-C3-C2 | -6.17 | 110.90 | 123.52 |
| 30 | 7 | 304 | CLA | CMD-C2D-C1D | 6.17 | 135.59 | 124.73 |
| 38 | 16 | 304 | KC1 | C1A-C2A-C3A | -6.17 | 101.61 | 107.28 |
| 30 | 12 | 307 | CLA | CHD-C4C-C3C | -6.17 | 115.78 | 124.77 |
| 38 | 13 | 310 | KC1 | C3B-C2B-C1B | -6.17 | 101.21 | 107.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 302 | CLA | C2D-C1D-ND | 6.17 | 116.23 | 110.13 |
| 30 | B | 802 | CLA | O2D-CGD-CBD | 6.16 | 122.00 | 111.23 |
| 38 | 12 | 309 | KC1 | C3A-C4A-NA | 6.16 | 118.08 | 110.45 |
| 30 | B | 804 | CLA | CMD-C2D-C1D | 6.15 | 135.57 | 124.73 |
| 30 | A | 837 | CLA | O2D-CGD-CBD | 6.15 | 121.98 | 111.23 |
| 38 | 2 | 314 | KC1 | C1A-C2A-C3A | -6.15 | 101.63 | 107.28 |
| 30 | 8 | 303 | CLA | O2D-CGD-CBD | 6.15 | 121.98 | 111.23 |
| 30 | B | 820 | CLA | CMD-C2D-C1D | 6.15 | 135.55 | 124.73 |
| 39 | 11 | 313 | DD6 | C24-C1-C2 | -6.14 | 109.34 | 119.01 |
| 30 | B | 817 | CLA | CHD-C4C-C3C | -6.14 | 115.82 | 124.77 |
| 30 | A | 811 | CLA | C2D-C1D-ND | 6.14 | 116.20 | 110.13 |
| 30 | A | 807 | CLA | CHD-C4C-C3C | -6.14 | 115.82 | 124.77 |
| 38 | 8 | 306 | KC1 | C1A-C2A-C3A | -6.14 | 101.64 | 107.28 |
| 30 | 5 | 307 | CLA | CMD-C2D-C1D | 6.14 | 135.54 | 124.73 |
| 38 | 9 | 312 | KC1 | CHB-C4A-C3A | -6.14 | 115.34 | 125.03 |
| 30 | A | 841 | CLA | CMD-C2D-C1D | 6.14 | 135.54 | 124.73 |
| 30 | 10 | 307 | CLA | C2D-C1D-ND | 6.14 | 116.20 | 110.13 |
| 30 | 2u | 202 | CLA | CHD-C4C-C3C | -6.14 | 115.83 | 124.77 |
| 30 | A | 808 | CLA | C2D-C1D-ND | 6.14 | 116.20 | 110.13 |
| 30 | A | 816 | CLA | CMD-C2D-C1D | 6.14 | 135.53 | 124.73 |
| 38 | 8 | 313 | KC1 | C3B-C2B-C1B | -6.13 | 101.24 | 107.05 |
| 30 | 5 | 307 | CLA | C2D-C1D-ND | 6.13 | 116.20 | 110.13 |
| 37 | 11 | 301 | A86 | C7-C6-C8 | 6.13 | 127.46 | 118.09 |
| 30 | 8 | 302 | CLA | C2D-C1D-ND | 6.13 | 116.19 | 110.13 |
| 39 | 7 | 314 | DD6 | O1-C15-C14 | -6.13 | 99.31 | 116.88 |
| 30 | A | 805 | CLA | CMD-C2D-C1D | 6.13 | 135.52 | 124.73 |
| 30 | A | 813 | CLA | CMD-C2D-C1D | 6.13 | 135.52 | 124.73 |
| 30 | A | 828 | CLA | CMD-C2D-C1D | 6.13 | 135.52 | 124.73 |
| 30 | B | 806 | CLA | CHD-C4C-C3C | -6.13 | 115.84 | 124.77 |
| 30 | A | 804 | CLA | O2D-CGD-CBD | 6.13 | 121.94 | 111.23 |
| 30 | 3 | 306 | CLA | CMD-C2D-C1D | 6.12 | 135.51 | 124.73 |
| 30 | B | 825 | CLA | CHD-C4C-C3C | -6.12 | 115.84 | 124.77 |
| 30 | 2 | 310 | CLA | CMD-C2D-C1D | 6.12 | 135.51 | 124.73 |
| 30 | 7 | 307 | CLA | CHD-C4C-C3C | -6.12 | 115.85 | 124.77 |
| 39 | 2 | 316 | DD6 | C4-C5-C6 | -6.12 | 118.70 | 127.28 |
| 30 | A | 816 | CLA | C2D-C1D-ND | 6.11 | 116.18 | 110.13 |
| 30 | 1 | 303 | CLA | C2D-C1D-ND | 6.11 | 116.17 | 110.13 |
| 30 | A | 810 | CLA | C2D-C1D-ND | 6.11 | 116.17 | 110.13 |
| 30 | 8 | 301 | CLA | C2D-C1D-ND | 6.10 | 116.17 | 110.13 |
| 30 | 9 | 307 | CLA | C2D-C1D-ND | 6.10 | 116.17 | 110.13 |
| 38 | 4 | 307 | KC1 | C3B-C2B-C1B | -6.10 | 101.28 | 107.05 |
| 39 | 3 | 312 | DD6 | C8-C6-C5 | -6.09 | 109.43 | 119.01 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 817 | CLA | C2D-C1D-ND | 6.09 | 116.15 | 110.13 |
| 37 | 10 | 315 | A86 | C3-C2-C1 | -6.09 | 118.74 | 127.28 |
| 30 | L | 202 | CLA | CMD-C2D-C1D | 6.08 | 135.44 | 124.73 |
| 30 | 12 | 308 | CLA | CMD-C2D-C1D | 6.08 | 135.44 | 124.73 |
| 38 | 11 | 311 | KC1 | C3B-C2B-C1B | -6.08 | 101.29 | 107.05 |
| 39 | 2 | 315 | DD6 | C35-C36-C31 | -6.08 | 107.84 | 120.50 |
| 30 | A | 838 | CLA | O2D-CGD-CBD | 6.08 | 121.86 | 111.23 |
| 38 | 14 | 311 | KC1 | C3A-C4A-NA | 6.08 | 117.97 | 110.45 |
| 30 | 9 | 308 | CLA | C2D-C1D-ND | 6.08 | 116.14 | 110.13 |
| 38 | 8 | 307 | KC1 | C3B-C2B-C1B | -6.08 | 101.30 | 107.05 |
| 38 | 13 | 308 | KC1 | C3A-C4A-NA | 6.07 | 117.97 | 110.45 |
| 30 | 11 | 304 | CLA | C2D-C1D-ND | 6.07 | 116.14 | 110.13 |
| 30 | A | 819 | CLA | C2D-C1D-ND | 6.07 | 116.14 | 110.13 |
| 30 | 12 | 303 | CLA | CMD-C2D-C1D | 6.07 | 135.42 | 124.73 |
| 30 | A | 813 | CLA | C2D-C1D-ND | 6.07 | 116.13 | 110.13 |
| 38 | 5 | 305 | KC1 | C1A-C2A-C3A | -6.07 | 101.70 | 107.28 |
| 30 | A | 838 | CLA | CHD-C4C-C3C | -6.07 | 115.93 | 124.77 |
| 30 | 10 | 311 | CLA | C2D-C1D-ND | 6.07 | 116.13 | 110.13 |
| 30 | 5 | 308 | CLA | C2D-C1D-ND | 6.07 | 116.13 | 110.13 |
| 38 | 2 | 314 | KC1 | C3B-C2B-C1B | -6.06 | 101.31 | 107.05 |
| 30 | 3 | 309 | CLA | C2D-C1D-ND | 6.06 | 116.13 | 110.13 |
| 38 | 12 | 305 | KC1 | C3B-C2B-C1B | -6.06 | 101.31 | 107.05 |
| 38 | 16 | 304 | KC1 | C3B-C2B-C1B | -6.06 | 101.32 | 107.05 |
| 30 | 5 | 311 | CLA | C2D-C1D-ND | 6.05 | 116.12 | 110.13 |
| 30 | A | 842 | CLA | CMD-C2D-C1D | 6.05 | 135.38 | 124.73 |
| 30 | B | 829 | CLA | CMD-C2D-C1D | 6.05 | 135.38 | 124.73 |
| 30 | 3 | 301 | CLA | C2D-C1D-ND | 6.05 | 116.11 | 110.13 |
| 30 | 2 | 308 | CLA | C2D-C1D-ND | 6.05 | 116.11 | 110.13 |
| 37 | 8 | 315 | A86 | O4-C38-C39 | 6.05 | 121.87 | 111.09 |
| 38 | 6 | 312 | KC1 | C1A-C2A-C3A | -6.05 | 101.72 | 107.28 |
| 39 | 6 | 321 | DD6 | C7-C6-C8 | -6.05 | 108.85 | 118.09 |
| 30 | A | 824 | CLA | CHD-C4C-C3C | -6.04 | 115.96 | 124.77 |
| 30 | 3 | 302 | CLA | CHD-C4C-C3C | -6.04 | 115.96 | 124.77 |
| 38 | 4 | 308 | KC1 | C3A-C4A-NA | 6.04 | 117.93 | 110.45 |
| 38 | 5 | 310 | KC1 | C3A-C4A-NA | 6.04 | 117.93 | 110.45 |
| 38 | 6 | 308 | KC1 | C1A-C2A-C3A | -6.04 | 101.73 | 107.28 |
| 30 | A | 829 | CLA | C2D-C1D-ND | 6.04 | 116.10 | 110.13 |
| 30 | B | 825 | CLA | C2D-C1D-ND | 6.04 | 116.10 | 110.13 |
| 39 | 6 | 319 | DD6 | C8-C6-C5 | -6.04 | 109.51 | 119.01 |
| 38 | 8 | 313 | KC1 | C3A-C4A-NA | 6.04 | 117.92 | 110.45 |
| 30 | 2u | 202 | CLA | CMD-C2D-C1D | 6.03 | 135.35 | 124.73 |
| 38 | 13 | 310 | KC1 | C1A-C2A-C3A | -6.03 | 101.73 | 107.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 7 | 303 | CLA | CHD-C4C-C3C | -6.03 | 115.98 | 124.77 |
| 38 | 6 | 308 | KC1 | C3A-C4A-NA | 6.03 | 117.92 | 110.45 |
| 38 | 9 | 310 | KC1 | C3A-C4A-NA | 6.03 | 117.91 | 110.45 |
| 38 | 4 | 310 | KC1 | C2B-C1B-NB | 6.03 | 116.09 | 110.13 |
| 30 | 1 | 303 | CLA | CHD-C4C-C3C | -6.03 | 115.98 | 124.77 |
| 38 | 11 | 311 | KC1 | C3A-C4A-NA | 6.03 | 117.91 | 110.45 |
| 30 | B | 826 | CLA | CHD-C4C-C3C | -6.03 | 115.99 | 124.77 |
| 30 | 3 | 305 | CLA | C2D-C1D-ND | 6.02 | 116.09 | 110.13 |
| 30 | 5 | 302 | CLA | CHD-C4C-C3C | -6.02 | 115.99 | 124.77 |
| 39 | 9 | 314 | DD6 | C12-C11-C13 | -6.02 | 108.89 | 118.09 |
| 30 | 2 | 308 | CLA | CMD-C2D-C1D | 6.02 | 135.32 | 124.73 |
| 30 | 1 | 304 | CLA | C2D-C1D-ND | 6.02 | 116.08 | 110.13 |
| 38 | 14 | 306 | KC1 | C3A-C4A-NA | 6.01 | 117.89 | 110.45 |
| 30 | 2 | 311 | CLA | C2D-C1D-ND | 6.01 | 116.08 | 110.13 |
| 38 | 11 | 307 | KC1 | C3B-C2B-C1B | -6.01 | 101.36 | 107.05 |
| 30 | A | 826 | CLA | CMD-C2D-C1D | 6.01 | 135.31 | 124.73 |
| 30 | 4 | 311 | CLA | C2D-C1D-ND | 6.01 | 116.07 | 110.13 |
| 38 | 10 | 312 | KC1 | C3A-C4A-NA | 6.01 | 117.89 | 110.45 |
| 30 | L | 203 | CLA | C2D-C1D-ND | 6.01 | 116.07 | 110.13 |
| 30 | 2 | 301 | CLA | C2C-C1C-NC | 6.01 | 116.29 | 109.98 |
| 30 | 9 | 302 | CLA | C2D-C1D-ND | 6.01 | 116.07 | 110.13 |
| 38 | 9 | 304 | KC1 | C3B-C2B-C1B | -6.01 | 101.36 | 107.05 |
| 30 | B | 801 | CLA | C2D-C1D-ND | 6.00 | 116.07 | 110.13 |
| 30 | 10 | 307 | CLA | CHD-C4C-C3C | -6.00 | 116.02 | 124.77 |
| 38 | 1 | 308 | KC1 | C1A-C2A-C3A | -6.00 | 101.77 | 107.28 |
| 38 | 8 | 307 | KC1 | C1A-C2A-C3A | -6.00 | 101.77 | 107.28 |
| 39 | 4 | 313 | DD6 | C12-C11-C13 | -6.00 | 108.93 | 118.09 |
| 38 | 1 | 306 | KC1 | C3A-C4A-NA | 6.00 | 117.87 | 110.45 |
| 30 | 15 | 303 | CLA | C2D-C1D-ND | 5.99 | 116.06 | 110.13 |
| 38 | 13 | 310 | KC1 | C3A-C4A-NA | 5.99 | 117.87 | 110.45 |
| 38 | 14 | 306 | KC1 | O2D-CGD-CBD | 5.99 | 121.71 | 111.23 |
| 30 | A | 809 | CLA | C2D-C1D-ND | 5.99 | 116.06 | 110.13 |
| 38 | 3 | 304 | KC1 | C1A-C2A-C3A | -5.99 | 101.77 | 107.28 |
| 30 | A | 823 | CLA | O2D-CGD-CBD | 5.99 | 121.70 | 111.23 |
| 30 | 4 | 305 | CLA | C2D-C1D-ND | 5.99 | 116.05 | 110.13 |
| 38 | 4 | 307 | KC1 | CMA-C3A-C2A | -5.99 | 113.94 | 128.43 |
| 39 | 12 | 315 | DD6 | C-C1-C24 | -5.98 | 108.95 | 118.09 |
| 39 | 7 | 302 | DD6 | C13-C11-C10 | -5.98 | 109.60 | 119.01 |
| 37 | 10 | 315 | A86 | C25-C26-C27 | -5.98 | 118.89 | 127.28 |
| 30 | B | 833 | CLA | C2D-C1D-ND | 5.98 | 116.05 | 110.13 |
| 38 | 11 | 312 | KC1 | CMD-C2D-C1D | 5.98 | 137.22 | 128.46 |
| 30 | 6 | 306 | CLA | CHD-C4C-C3C | -5.98 | 116.05 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 805 | CLA | C2D-C1D-ND | 5.98 | 116.05 | 110.13 |
| 39 | 16 | 313 | DD6 | C-C1-C24 | -5.98 | 108.95 | 118.09 |
| 30 | F | 202 | CLA | CHD-C4C-C3C | -5.98 | 116.06 | 124.77 |
| 30 | 10 | 309 | CLA | C2D-C1D-ND | 5.98 | 116.04 | 110.13 |
| 30 | 9 | 303 | CLA | CMD-C2D-C1D | 5.98 | 135.25 | 124.73 |
| 30 | 4 | 306 | CLA | C2D-C1D-ND | 5.98 | 116.04 | 110.13 |
| 30 | 2 | 308 | CLA | CHD-C4C-C3C | -5.97 | 116.06 | 124.77 |
| 30 | 4 | 303 | CLA | C2D-C1D-ND | 5.97 | 116.04 | 110.13 |
| 30 | 13 | 302 | CLA | CHD-C4C-C3C | -5.97 | 116.06 | 124.77 |
| 30 | 16 | 303 | CLA | CHD-C4C-C3C | -5.97 | 116.06 | 124.77 |
| 30 | 7 | 311 | CLA | CMD-C2D-C1D | 5.97 | 135.25 | 124.73 |
| 37 | 5 | 315 | A86 | C25-C26-C27 | -5.97 | 118.91 | 127.28 |
| 30 | A | 833 | CLA | C2D-C1D-ND | 5.97 | 116.03 | 110.13 |
| 37 | 11 | 301 | A86 | C4-C5-C6 | -5.97 | 118.91 | 127.28 |
| 30 | 2u | 202 | CLA | C2D-C1D-ND | 5.97 | 116.03 | 110.13 |
| 30 | 3 | 301 | CLA | CMD-C2D-C1D | 5.96 | 135.23 | 124.73 |
| 30 | A | 840 | CLA | CHD-C4C-C3C | -5.96 | 116.08 | 124.77 |
| 30 | A | 826 | CLA | C2D-C1D-ND | 5.96 | 116.02 | 110.13 |
| 30 | B | 814 | CLA | CHD-C4C-C3C | -5.96 | 116.08 | 124.77 |
| 37 | 11 | 316 | A86 | O4-C38-C39 | 5.96 | 121.71 | 111.09 |
| 30 | 7 | 305 | CLA | C2D-C1D-ND | 5.95 | 116.02 | 110.13 |
| 38 | 7 | 308 | KC1 | C3A-C4A-NA | 5.95 | 117.81 | 110.45 |
| 30 | 3 | 302 | CLA | C2D-C1D-ND | 5.95 | 116.01 | 110.13 |
| 30 | 15 | 302 | CLA | C4A-NA-C1A | -5.95 | 103.97 | 106.68 |
| 30 | 13 | 303 | CLA | O2D-CGD-CBD | 5.95 | 121.62 | 111.23 |
| 30 | B | 816 | CLA | CHD-C4C-C3C | -5.94 | 116.11 | 124.77 |
| 39 | 10 | 314 | DD6 | C-C1-C24 | -5.94 | 109.01 | 118.09 |
| 30 | B | 827 | CLA | C2D-C1D-ND | 5.94 | 116.01 | 110.13 |
| 30 | 9 | 305 | CLA | C2D-C1D-ND | 5.94 | 116.01 | 110.13 |
| 30 | 15 | 308 | CLA | C2D-C1D-ND | 5.94 | 116.00 | 110.13 |
| 38 | 3 | 311 | KC1 | C3B-C2B-C1B | -5.94 | 101.43 | 107.05 |
| 39 | 15 | 318 | DD6 | C12-C11-C13 | -5.94 | 109.02 | 118.09 |
| 39 | 3 | 313 | DD6 | C7-C6-C8 | -5.94 | 109.02 | 118.09 |
| 38 | 10 | 310 | KC1 | C1A-NA-C4A | -5.94 | 103.97 | 106.68 |
| 30 | 15 | 304 | CLA | C2D-C1D-ND | 5.94 | 116.00 | 110.13 |
| 30 | B | 808 | CLA | O2D-CGD-CBD | 5.93 | 121.60 | 111.23 |
| 30 | A | 834 | CLA | C2D-C1D-ND | 5.93 | 116.00 | 110.13 |
| 30 | 3 | 305 | CLA | CHD-C4C-C3C | -5.93 | 116.12 | 124.77 |
| 30 | B | 810 | CLA | C2D-C1D-ND | 5.93 | 116.00 | 110.13 |
| 39 | 5 | 313 | DD6 | C8-C6-C5 | -5.93 | 109.68 | 119.01 |
| 30 | 12 | 303 | CLA | CHD-C4C-C3C | -5.93 | 116.13 | 124.77 |
| 30 | 13 | 302 | CLA | C2D-C1D-ND | 5.93 | 115.99 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 4 | 313 | DD6 | C-C1-C24 | -5.93 | 109.04 | 118.09 |
| 30 | 2 | 309 | CLA | C2D-C1D-ND | 5.92 | 115.99 | 110.13 |
| 30 | A | 829 | CLA | CHD-C4C-C3C | -5.92 | 116.14 | 124.77 |
| 38 | 12 | 309 | KC1 | C2B-C1B-NB | 5.92 | 115.99 | 110.13 |
| 38 | 3 | 311 | KC1 | CMD-C2D-C1D | 5.92 | 137.13 | 128.46 |
| 38 | 13 | 308 | KC1 | O2D-CGD-CBD | 5.92 | 121.58 | 111.23 |
| 30 | 15 | 309 | CLA | C2D-C1D-ND | 5.92 | 115.98 | 110.13 |
| 30 | 9 | 303 | CLA | CHD-C4C-C3C | -5.92 | 116.14 | 124.77 |
| 30 | 2 | 305 | CLA | C2D-C1D-ND | 5.92 | 115.98 | 110.13 |
| 39 | 4 | 316 | DD6 | C7-C6-C8 | -5.92 | 109.05 | 118.09 |
| 38 | 9 | 310 | KC1 | C1A-C2A-C3A | -5.92 | 101.84 | 107.28 |
| 30 | B | 810 | CLA | CHD-C4C-C3C | -5.92 | 116.15 | 124.77 |
| 38 | 1 | 308 | KC1 | C3A-C4A-NA | 5.92 | 117.77 | 110.45 |
| 30 | 4 | 302 | CLA | CHD-C4C-C3C | -5.91 | 116.15 | 124.77 |
| 39 | 2 | 317 | DD6 | C35-C36-C31 | -5.91 | 108.20 | 120.50 |
| 38 | 14 | 306 | KC1 | C1A-C2A-C3A | -5.91 | 101.85 | 107.28 |
| 39 | 6 | 303 | DD6 | C-C1-C24 | -5.91 | 109.06 | 118.09 |
| 30 | 11 | 306 | CLA | CHD-C4C-C3C | -5.91 | 116.16 | 124.77 |
| 30 | A | 813 | CLA | CHD-C4C-C3C | -5.91 | 116.16 | 124.77 |
| 30 | B | 837 | CLA | C2D-C1D-ND | 5.91 | 115.97 | 110.13 |
| 30 | 5 | 304 | CLA | C2D-C1D-ND | 5.91 | 115.97 | 110.13 |
| 30 | 16 | 302 | CLA | C2D-C1D-ND | 5.90 | 115.97 | 110.13 |
| 30 | 13 | 302 | CLA | CMD-C2D-C1D | 5.90 | 135.12 | 124.73 |
| 30 | F | 203 | CLA | CHD-C4C-C3C | -5.90 | 116.17 | 124.77 |
| 30 | B | 831 | CLA | C2D-C1D-ND | 5.90 | 115.97 | 110.13 |
| 30 | 1 | 307 | CLA | C2D-C1D-ND | 5.90 | 115.97 | 110.13 |
| 39 | 16 | 313 | DD6 | C24-C1-C2 | -5.90 | 109.73 | 119.01 |
| 38 | 4 | 310 | KC1 | C1A-C2A-C3A | -5.90 | 101.86 | 107.28 |
| 30 | 12 | 310 | CLA | C2D-C1D-ND | 5.90 | 115.96 | 110.13 |
| 30 | 4 | 302 | CLA | C2D-C1D-ND | 5.90 | 115.96 | 110.13 |
| 30 | A | 834 | CLA | CHD-C4C-C3C | -5.90 | 116.18 | 124.77 |
| 38 | 10 | 306 | KC1 | C1A-C2A-C3A | -5.90 | 101.86 | 107.28 |
| 30 | B | 829 | CLA | O2D-CGD-CBD | 5.90 | 121.54 | 111.23 |
| 30 | 14 | 313 | CLA | CHD-C4C-C3C | -5.89 | 116.18 | 124.77 |
| 38 | 3 | 308 | KC1 | C3A-C4A-NA | 5.89 | 117.74 | 110.45 |
| 30 | B | 806 | CLA | C2D-C1D-ND | 5.89 | 115.96 | 110.13 |
| 30 | 2 | 303 | CLA | C3D-C4D-ND | 5.89 | 119.56 | 109.99 |
| 30 | A | 808 | CLA | CHD-C4C-C3C | -5.89 | 116.19 | 124.77 |
| 30 | 16 | 302 | CLA | CHD-C4C-C3C | -5.89 | 116.19 | 124.77 |
| 30 | A | 807 | CLA | CAA-C2A-C3A | -5.89 | 97.09 | 113.00 |
| 30 | F | 203 | CLA | C2D-C1D-ND | 5.89 | 115.95 | 110.13 |
| 30 | 5 | 303 | CLA | C2D-C1D-ND | 5.89 | 115.95 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 7 | 313 | KC1 | C1A-C2A-C3A | -5.89 | 101.87 | 107.28 |
| 38 | 13 | 305 | KC1 | C3A-C4A-NA | 5.88 | 117.73 | 110.45 |
| 30 | 15 | 311 | CLA | C2D-C1D-ND | 5.88 | 115.95 | 110.13 |
| 38 | 10 | 312 | KC1 | C1A-C2A-C3A | -5.88 | 101.87 | 107.28 |
| 38 | 2 | 312 | KC1 | C3B-C2B-C1B | -5.88 | 101.48 | 107.05 |
| 38 | 5 | 305 | KC1 | C3B-C2B-C1B | -5.88 | 101.48 | 107.05 |
| 30 | 9 | 305 | CLA | CHD-C4C-C3C | -5.88 | 116.20 | 124.77 |
| 39 | 15 | 319 | DD6 | C7-C6-C8 | -5.88 | 109.10 | 118.09 |
| 30 | 9 | 308 | CLA | CHD-C4C-C3C | -5.88 | 116.20 | 124.77 |
| 38 | 2 | 306 | KC1 | C3A-C4A-NA | 5.88 | 117.73 | 110.45 |
| 38 | 14 | 308 | KC1 | C3A-C4A-NA | 5.88 | 117.73 | 110.45 |
| 30 | 6 | 315 | CLA | C2D-C1D-ND | 5.88 | 115.94 | 110.13 |
| 30 | 8 | 302 | CLA | CHD-C4C-C3C | -5.88 | 116.20 | 124.77 |
| 30 | B | 809 | CLA | C2D-C1D-ND | 5.88 | 115.94 | 110.13 |
| 30 | 14 | 313 | CLA | O2D-CGD-CBD | 5.87 | 121.50 | 111.23 |
| 30 | 6 | 317 | CLA | C2D-C1D-ND | 5.87 | 115.94 | 110.13 |
| 30 | 15 | 303 | CLA | CHD-C4C-C3C | -5.87 | 116.21 | 124.77 |
| 38 | 6 | 313 | KC1 | C3B-C2B-C1B | -5.87 | 101.49 | 107.05 |
| 30 | A | 822 | CLA | CMD-C2D-C1D | 5.87 | 135.07 | 124.73 |
| 38 | 10 | 310 | KC1 | C2B-C1B-NB | 5.87 | 115.94 | 110.13 |
| 38 | 2 | 312 | KC1 | C1A-C2A-C3A | -5.87 | 101.88 | 107.28 |
| 30 | A | 802 | CLA | C4A-NA-C1A | -5.87 | 104.00 | 106.68 |
| 38 | 4 | 307 | KC1 | C2B-C1B-NB | 5.87 | 115.94 | 110.13 |
| 30 | 9 | 309 | CLA | CMD-C2D-C1D | 5.87 | 135.06 | 124.73 |
| 30 | 10 | 311 | CLA | CHD-C4C-C3C | -5.87 | 116.22 | 124.77 |
| 30 | B | 811 | CLA | CHD-C4C-C3C | -5.87 | 116.22 | 124.77 |
| 38 | 16 | 311 | KC1 | C2B-C1B-NB | 5.87 | 115.93 | 110.13 |
| 39 | 9 | 314 | DD6 | C24-C1-C2 | -5.86 | 109.79 | 119.01 |
| 30 | 8 | 308 | CLA | C2D-C1D-ND | 5.86 | 115.93 | 110.13 |
| 38 | 13 | 312 | KC1 | C3A-C4A-NA | 5.86 | 117.70 | 110.45 |
| 29 | A | 801 | CL0 | C2D-C1D-ND | 5.86 | 115.93 | 110.13 |
| 38 | 8 | 311 | KC1 | C1A-C2A-C3A | -5.86 | 101.89 | 107.28 |
| 30 | 15 | 313 | CLA | C2D-C1D-ND | 5.86 | 115.92 | 110.13 |
| 38 | 4 | 307 | KC1 | C3A-C4A-NA | 5.86 | 117.70 | 110.45 |
| 30 | A | 840 | CLA | O2D-CGD-CBD | 5.86 | 121.47 | 111.23 |
| 30 | 16 | 305 | CLA | C2D-C1D-ND | 5.86 | 115.92 | 110.13 |
| 38 | 6 | 311 | KC1 | C1A-C2A-C3A | -5.86 | 101.90 | 107.28 |
| 39 | 13 | 314 | DD6 | C21-C20-C19 | -5.86 | 107.66 | 114.24 |
| 30 | 2 | 313 | CLA | C2D-C1D-ND | 5.86 | 115.92 | 110.13 |
| 30 | 13 | 304 | CLA | C2D-C1D-ND | 5.86 | 115.92 | 110.13 |
| 38 | 14 | 311 | KC1 | C3B-C2B-C1B | -5.85 | 101.51 | 107.05 |
| 30 | A | 831 | CLA | C2D-C1D-ND | 5.85 | 115.92 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 804 | CLA | CHD-C4C-C3C | -5.85 | 116.24 | 124.77 |
| 30 | B | 812 | CLA | CMD-C2D-C1D | 5.85 | 135.03 | 124.73 |
| 30 | 12 | 310 | CLA | CHD-C4C-C3C | -5.85 | 116.24 | 124.77 |
| 30 | 15 | 307 | CLA | CMD-C2D-C1D | 5.85 | 135.03 | 124.73 |
| 30 | 7 | 304 | CLA | C2D-C1D-ND | 5.85 | 115.92 | 110.13 |
| 39 | 10 | 313 | DD6 | C21-C20-C19 | -5.85 | 107.67 | 114.24 |
| 30 | 12 | 312 | CLA | C2D-C1D-ND | 5.85 | 115.91 | 110.13 |
| 39 | 2 | 315 | DD6 | C13-C11-C10 | -5.85 | 109.81 | 119.01 |
| 30 | 7 | 309 | CLA | C2D-C1D-ND | 5.85 | 115.91 | 110.13 |
| 38 | 9 | 312 | KC1 | CMD-C2D-C1D | 5.85 | 137.02 | 128.46 |
| 38 | 5 | 310 | KC1 | C1A-C2A-C3A | -5.85 | 101.91 | 107.28 |
| 30 | B | 822 | CLA | C2D-C1D-ND | 5.85 | 115.91 | 110.13 |
| 30 | 13 | 303 | CLA | C2D-C1D-ND | 5.85 | 115.91 | 110.13 |
| 30 | B | 826 | CLA | CMD-C2D-C1D | 5.84 | 135.02 | 124.73 |
| 37 | 3 | 314 | A86 | C25-C26-C27 | -5.84 | 119.08 | 127.28 |
| 30 | 16 | 309 | CLA | C2D-C1D-ND | 5.84 | 115.91 | 110.13 |
| 38 | 8 | 311 | KC1 | C3B-C2B-C1B | -5.84 | 101.52 | 107.05 |
| 39 | 13 | 314 | DD6 | C24-C1-C2 | -5.84 | 109.82 | 119.01 |
| 30 | A | 816 | CLA | O2D-CGD-CBD | 5.84 | 121.44 | 111.23 |
| 30 | 9 | 303 | CLA | C2D-C1D-ND | 5.84 | 115.91 | 110.13 |
| 38 | 5 | 312 | KC1 | C3A-C4A-NA | 5.84 | 117.68 | 110.45 |
| 38 | 16 | 304 | KC1 | CMD-C2D-C1D | 5.84 | 137.01 | 128.46 |
| 38 | 8 | 306 | KC1 | C3B-C2B-C1B | -5.84 | 101.52 | 107.05 |
| 30 | B | 802 | CLA | CHD-C4C-C3C | -5.84 | 116.26 | 124.77 |
| 30 | 8 | 304 | CLA | CHD-C4C-C3C | -5.84 | 116.26 | 124.77 |
| 30 | 2u | 202 | CLA | O2D-CGD-CBD | 5.83 | 121.43 | 111.23 |
| 30 | 4 | 301 | CLA | CHD-C4C-C3C | -5.83 | 116.27 | 124.77 |
| 30 | A | 807 | CLA | C2D-C1D-ND | 5.83 | 115.90 | 110.13 |
| 30 | 12 | 308 | CLA | CHD-C4C-C3C | -5.83 | 116.27 | 124.77 |
| 38 | 3 | 304 | KC1 | C3B-C2B-C1B | -5.83 | 101.53 | 107.05 |
| 30 | 14 | 310 | CLA | C2D-C1D-ND | 5.83 | 115.89 | 110.13 |
| 38 | 12 | 311 | KC1 | C3A-C4A-NA | 5.83 | 117.66 | 110.45 |
| 38 | 12 | 305 | KC1 | C3A-C4A-NA | 5.82 | 117.66 | 110.45 |
| 30 | B | 814 | CLA | O2D-CGD-CBD | 5.82 | 121.41 | 111.23 |
| 39 | 6 | 318 | DD6 | C-C1-C24 | -5.82 | 109.20 | 118.09 |
| 39 | 13 | 314 | DD6 | C-C1-C24 | -5.82 | 109.20 | 118.09 |
| 30 | A | 830 | CLA | C2D-C1D-ND | 5.82 | 115.89 | 110.13 |
| 30 | 5 | 309 | CLA | C2D-C1D-ND | 5.82 | 115.89 | 110.13 |
| 30 | 15 | 310 | CLA | C2D-C1D-ND | 5.82 | 115.89 | 110.13 |
| 30 | 7 | 306 | CLA | C2D-C1D-ND | 5.82 | 115.88 | 110.13 |
| 37 | 14 | 320 | A86 | C4-C3-C2 | -5.82 | 111.61 | 123.52 |
| 30 | 10 | 304 | CLA | CHD-C4C-C3C | -5.82 | 116.29 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 824 | CLA | O2D-CGD-CBD | 5.82 | 121.40 | 111.23 |
| 30 | B | 813 | CLA | CHD-C4C-C3C | -5.82 | 116.29 | 124.77 |
| 30 | 16 | 305 | CLA | CMD-C2D-C1D | 5.82 | 134.97 | 124.73 |
| 38 | 14 | 308 | KC1 | O2D-CGD-CBD | 5.82 | 121.40 | 111.23 |
| 30 | B | 805 | CLA | C2D-C1D-ND | 5.81 | 115.88 | 110.13 |
| 37 | 11 | 315 | A86 | O4-C38-C39 | 5.81 | 121.46 | 111.09 |
| 38 | 6 | 311 | KC1 | C3B-C2B-C1B | -5.81 | 101.55 | 107.05 |
| 30 | A | 843 | CLA | CMD-C2D-C1D | 5.81 | 134.96 | 124.73 |
| 30 | 16 | 308 | CLA | C2D-C1D-ND | 5.81 | 115.88 | 110.13 |
| 30 | 14 | 302 | CLA | O2D-CGD-CBD | 5.81 | 121.39 | 111.23 |
| 30 | B | 815 | CLA | C2D-C1D-ND | 5.81 | 115.87 | 110.13 |
| 30 | 9 | 306 | CLA | C2C-C1C-NC | 5.81 | 116.08 | 109.98 |
| 30 | B | 838 | CLA | C2D-C1D-ND | 5.81 | 115.87 | 110.13 |
| 30 | 4 | 304 | CLA | CHD-C4C-C3C | -5.81 | 116.31 | 124.77 |
| 30 | 12 | 307 | CLA | C2D-C1D-ND | 5.81 | 115.87 | 110.13 |
| 30 | 3 | 310 | CLA | C2D-C1D-ND | 5.80 | 115.87 | 110.13 |
| 30 | 3 | 302 | CLA | CMD-C2D-C1D | 5.80 | 134.95 | 124.73 |
| 30 | 13 | 307 | CLA | O2D-CGD-CBD | 5.80 | 121.38 | 111.23 |
| 30 | A | 839 | CLA | C2D-C1D-ND | 5.80 | 115.87 | 110.13 |
| 30 | 15 | 306 | CLA | C2D-C1D-ND | 5.80 | 115.87 | 110.13 |
| 30 | B | 837 | CLA | CHD-C4C-C3C | -5.80 | 116.31 | 124.77 |
| 30 | A | 814 | CLA | C2D-C1D-ND | 5.80 | 115.87 | 110.13 |
| 30 | 12 | 302 | CLA | C2D-C1D-ND | 5.80 | 115.87 | 110.13 |
| 37 | 13 | 315 | A86 | C3-C2-C1 | -5.80 | 119.14 | 127.28 |
| 30 | B | 803 | CLA | CHD-C4C-C3C | -5.80 | 116.32 | 124.77 |
| 30 | 2 | 301 | CLA | CMD-C2D-C1D | 5.80 | 134.94 | 124.73 |
| 30 | 16 | 310 | CLA | CHD-C4C-C3C | -5.80 | 116.32 | 124.77 |
| 30 | 15 | 312 | CLA | O2D-CGD-CBD | 5.80 | 121.36 | 111.23 |
| 30 | 12 | 302 | CLA | CHD-C4C-C3C | -5.80 | 116.32 | 124.77 |
| 38 | 12 | 311 | KC1 | C2B-C1B-NB | 5.80 | 115.86 | 110.13 |
| 38 | 13 | 312 | KC1 | C1A-C2A-C3A | -5.80 | 101.95 | 107.28 |
| 39 | 10 | 313 | DD6 | C24-C1-C2 | -5.79 | 109.90 | 119.01 |
| 30 | B | 834 | CLA | O2D-CGD-CBD | 5.79 | 121.36 | 111.23 |
| 39 | 9 | 314 | DD6 | C9-C10-C11 | -5.79 | 119.15 | 127.28 |
| 30 | 5 | 303 | CLA | CHD-C4C-C3C | -5.79 | 116.33 | 124.77 |
| 38 | 13 | 311 | KC1 | C1A-C2A-C3A | -5.79 | 101.96 | 107.28 |
| 30 | 13 | 309 | CLA | C2D-C1D-ND | 5.79 | 115.86 | 110.13 |
| 39 | 5 | 313 | DD6 | C12-C11-C13 | -5.79 | 109.24 | 118.09 |
| 38 | 13 | 311 | KC1 | CHB-C4A-C3A | -5.79 | 115.89 | 125.03 |
| 37 | 9 | 313 | A86 | C33-C32-C31 | 5.79 | 114.84 | 109.21 |
| 37 | 8 | 318 | A86 | C10-C9-C8 | -5.79 | 106.43 | 123.20 |
| 38 | 13 | 308 | KC1 | C3B-C2B-C1B | -5.79 | 101.57 | 107.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 823 | CLA | CHD-C4C-C3C | -5.79 | 116.34 | 124.77 |
| 30 | 6 | 306 | CLA | C2D-C1D-ND | 5.79 | 115.85 | 110.13 |
| 38 | 9 | 311 | KC1 | C3B-C2B-C1B | -5.78 | 101.57 | 107.05 |
| 39 | 12 | 315 | DD6 | C12-C11-C13 | -5.78 | 109.25 | 118.09 |
| 30 | 6 | 315 | CLA | CHD-C4C-C3C | -5.78 | 116.35 | 124.77 |
| 39 | 9 | 314 | DD6 | O1-C20-C21 | -5.78 | 108.59 | 115.05 |
| 38 | 13 | 305 | KC1 | C2B-C1B-NB | 5.78 | 115.85 | 110.13 |
| 30 | 8 | 308 | CLA | CHD-C4C-C3C | -5.78 | 116.35 | 124.77 |
| 30 | B | 838 | CLA | C2C-C1C-NC | 5.78 | 116.05 | 109.98 |
| 30 | 2 | 301 | CLA | O2D-CGD-CBD | 5.78 | 121.33 | 111.23 |
| 38 | 11 | 305 | KC1 | CMD-C2D-C1D | 5.78 | 136.92 | 128.46 |
| 38 | 8 | 307 | KC1 | C3A-C4A-NA | 5.78 | 117.60 | 110.45 |
| 38 | 4 | 308 | KC1 | C2B-C1B-NB | 5.78 | 115.84 | 110.13 |
| 37 | 14 | 319 | A86 | O4-C38-C39 | 5.78 | 121.39 | 111.09 |
| 30 | 10 | 304 | CLA | C2D-C1D-ND | 5.78 | 115.84 | 110.13 |
| 39 | 3 | 316 | DD6 | C8-C6-C5 | -5.77 | 109.93 | 119.01 |
| 30 | 12 | 308 | CLA | C2D-C1D-ND | 5.77 | 115.84 | 110.13 |
| 30 | 15 | 307 | CLA | C2D-C1D-ND | 5.77 | 115.84 | 110.13 |
| 37 | 9 | 313 | A86 | O4-C38-C39 | 5.77 | 121.38 | 111.09 |
| 30 | B | 835 | CLA | C2D-C1D-ND | 5.77 | 115.83 | 110.13 |
| 30 | B | 831 | CLA | CHD-C4C-C3C | -5.77 | 116.36 | 124.77 |
| 30 | 1 | 307 | CLA | O2D-CGD-CBD | 5.77 | 121.31 | 111.23 |
| 30 | B | 804 | CLA | CHD-C4C-C3C | -5.77 | 116.37 | 124.77 |
| 30 | A | 832 | CLA | CHD-C4C-C3C | -5.77 | 116.37 | 124.77 |
| 30 | 16 | 306 | CLA | CMD-C2D-C1D | 5.76 | 134.88 | 124.73 |
| 30 | B | 836 | CLA | CHD-C4C-C3C | -5.76 | 116.37 | 124.77 |
| 39 | 8 | 316 | DD6 | C24-C1-C2 | -5.76 | 109.94 | 119.01 |
| 38 | 8 | 311 | KC1 | CMD-C2D-C1D | 5.76 | 136.90 | 128.46 |
| 30 | 2 | 310 | CLA | CHD-C4C-C3C | -5.76 | 116.37 | 124.77 |
| 37 | 15 | 322 | A86 | C4-C3-C2 | -5.76 | 111.73 | 123.52 |
| 37 | 2u | 205 | A86 | C25-C26-C27 | -5.76 | 119.20 | 127.28 |
| 38 | 13 | 312 | KC1 | CMD-C2D-C1D | 5.76 | 136.89 | 128.46 |
| 37 | 2 | 319 | A86 | C4-C5-C6 | -5.76 | 119.20 | 127.28 |
| 30 | 13 | 309 | CLA | CHD-C4C-C3C | -5.76 | 116.38 | 124.77 |
| 38 | 13 | 305 | KC1 | O2D-CGD-CBD | 5.76 | 121.29 | 111.23 |
| 37 | 16 | 314 | A86 | C25-C26-C27 | -5.76 | 119.20 | 127.28 |
| 39 | 6 | 303 | DD6 | C4-C5-C6 | -5.75 | 119.21 | 127.28 |
| 38 | 12 | 311 | KC1 | CMD-C2D-C1D | 5.75 | 136.89 | 128.46 |
| 30 | 1 | 302 | CLA | C2D-C1D-ND | 5.75 | 115.82 | 110.13 |
| 30 | 12 | 321 | CLA | C2D-C1D-ND | 5.75 | 115.82 | 110.13 |
| 30 | 10 | 307 | CLA | CMD-C2D-C1D | 5.75 | 134.86 | 124.73 |
| 30 | 11 | 306 | CLA | C2D-C1D-ND | 5.75 | 115.82 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 14 | 320 | A86 | O4-C38-C39 | 5.75 | 121.34 | 111.09 |
| 30 | 7 | 305 | CLA | CHD-C4C-C3C | -5.75 | 116.39 | 124.77 |
| 30 | 6 | 304 | CLA | C2D-C1D-ND | 5.75 | 115.81 | 110.13 |
| 38 | 13 | 312 | KC1 | C3B-C2B-C1B | -5.75 | 101.61 | 107.05 |
| 30 | 3 | 307 | CLA | C2D-C1D-ND | 5.75 | 115.81 | 110.13 |
| 38 | 3 | 308 | KC1 | C3B-C2B-C1B | -5.75 | 101.61 | 107.05 |
| 30 | B | 834 | CLA | C2D-C1D-ND | 5.75 | 115.81 | 110.13 |
| 30 | 10 | 305 | CLA | O2D-CGD-CBD | 5.75 | 121.28 | 111.23 |
| 30 | A | 840 | CLA | C2D-C1D-ND | 5.75 | 115.81 | 110.13 |
| 30 | 5 | 304 | CLA | CHD-C4C-C3C | -5.74 | 116.40 | 124.77 |
| 38 | 12 | 311 | KC1 | C3B-C2B-C1B | -5.74 | 101.61 | 107.05 |
| 37 | 14 | 317 | A86 | C41-C32-C31 | -5.74 | 105.33 | 110.47 |
| 30 | 15 | 305 | CLA | C2D-C1D-ND | 5.74 | 115.81 | 110.13 |
| 30 | 14 | 304 | CLA | C2D-C1D-ND | 5.74 | 115.81 | 110.13 |
| 30 | 12 | 303 | CLA | C2D-C1D-ND | 5.74 | 115.81 | 110.13 |
| 30 | B | 807 | CLA | CHD-C4C-C3C | -5.74 | 116.40 | 124.77 |
| 30 | 15 | 305 | CLA | O2D-CGD-CBD | 5.74 | 121.26 | 111.23 |
| 30 | A | 805 | CLA | CHD-C4C-C3C | -5.74 | 116.41 | 124.77 |
| 38 | 16 | 311 | KC1 | CMD-C2D-C1D | 5.74 | 136.86 | 128.46 |
| 39 | 9 | 314 | DD6 | C-C1-C24 | -5.74 | 109.33 | 118.09 |
| 30 | 2 | 304 | CLA | CHD-C4C-C3C | -5.74 | 116.41 | 124.77 |
| 30 | 10 | 305 | CLA | C2D-C1D-ND | 5.73 | 115.80 | 110.13 |
| 38 | 7 | 313 | KC1 | C3A-C4A-NA | 5.73 | 117.55 | 110.45 |
| 38 | 9 | 304 | KC1 | C3A-C4A-NA | 5.73 | 117.55 | 110.45 |
| 38 | 7 | 313 | KC1 | C2B-C1B-NB | 5.73 | 115.80 | 110.13 |
| 38 | 10 | 312 | KC1 | C3B-C2B-C1B | -5.73 | 101.62 | 107.05 |
| 30 | A | 816 | CLA | CHD-C4C-C3C | -5.73 | 116.42 | 124.77 |
| 30 | 11 | 308 | CLA | C2D-C1D-ND | 5.73 | 115.80 | 110.13 |
| 39 | 5 | 314 | DD6 | C12-C11-C13 | -5.73 | 109.34 | 118.09 |
| 37 | 10 | 302 | A86 | C7-C6-C8 | 5.73 | 126.83 | 118.09 |
| 38 | 14 | 308 | KC1 | C3B-C2B-C1B | -5.72 | 101.63 | 107.05 |
| 30 | B | 813 | CLA | C2D-C1D-ND | 5.72 | 115.79 | 110.13 |
| 30 | 1 | 301 | CLA | C2D-C1D-ND | 5.72 | 115.79 | 110.13 |
| 30 | 7 | 311 | CLA | C2D-C1D-ND | 5.72 | 115.79 | 110.13 |
| 30 | B | 839 | CLA | CMD-C2D-C1D | 5.72 | 134.79 | 124.73 |
| 37 | 2u | 205 | A86 | C4-C3-C2 | -5.71 | 111.83 | 123.52 |
| 38 | 5 | 306 | KC1 | C3A-C4A-NA | 5.71 | 117.52 | 110.45 |
| 39 | 12 | 317 | DD6 | C-C1-C24 | -5.71 | 109.37 | 118.09 |
| 30 | 1 | 302 | CLA | CHD-C4C-C3C | -5.71 | 116.45 | 124.77 |
| 30 | 10 | 303 | CLA | CHD-C4C-C3C | -5.71 | 116.45 | 124.77 |
| 30 | B | 810 | CLA | O2D-CGD-CBD | 5.71 | 121.21 | 111.23 |
| 30 | A | 811 | CLA | CHD-C4C-C3C | -5.71 | 116.45 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 841 | CLA | CHD-C4C-C3C | -5.71 | 116.45 | 124.77 |
| 38 | 16 | 304 | KC1 | C3A-C4A-NA | 5.71 | 117.51 | 110.45 |
| 30 | 14 | 313 | CLA | C2D-C1D-ND | 5.70 | 115.77 | 110.13 |
| 30 | B | 832 | CLA | C2D-C1D-ND | 5.70 | 115.77 | 110.13 |
| 30 | 15 | 313 | CLA | CHD-C4C-C3C | -5.70 | 116.46 | 124.77 |
| 38 | 8 | 306 | KC1 | CMD-C2D-C1D | 5.70 | 136.81 | 128.46 |
| 30 | 4 | 306 | CLA | CHD-C4C-C3C | -5.70 | 116.46 | 124.77 |
| 30 | B | 836 | CLA | O2D-CGD-CBD | 5.70 | 121.19 | 111.23 |
| 38 | 14 | 308 | KC1 | C2B-C1B-NB | 5.70 | 115.77 | 110.13 |
| 30 | 8 | 304 | CLA | C2D-C1D-ND | 5.70 | 115.76 | 110.13 |
| 30 | 3 | 309 | CLA | CHD-C4C-C3C | -5.70 | 116.47 | 124.77 |
| 30 | B | 818 | CLA | O2D-CGD-CBD | 5.70 | 121.19 | 111.23 |
| 30 | 6 | 314 | CLA | O2D-CGD-CBD | 5.69 | 121.18 | 111.23 |
| 38 | 9 | 312 | KC1 | C1A-C2A-C3A | -5.69 | 102.05 | 107.28 |
| 38 | 6 | 313 | KC1 | C3A-C4A-NA | 5.69 | 117.50 | 110.45 |
| 30 | L | 203 | CLA | CHD-C4C-C3C | -5.69 | 116.47 | 124.77 |
| 38 | 9 | 310 | KC1 | C2B-C1B-NB | 5.69 | 115.75 | 110.13 |
| 38 | 8 | 310 | KC1 | C3A-C4A-NA | 5.69 | 117.49 | 110.45 |
| 30 | B | 827 | CLA | CHD-C4C-C3C | -5.68 | 116.48 | 124.77 |
| 30 | B | 835 | CLA | CHD-C4C-C3C | -5.68 | 116.49 | 124.77 |
| 38 | 10 | 310 | KC1 | C1A-C2A-C3A | -5.68 | 102.06 | 107.28 |
| 30 | B | 833 | CLA | CHD-C4C-C3C | -5.68 | 116.49 | 124.77 |
| 30 | 10 | 305 | CLA | CHD-C4C-C3C | -5.68 | 116.49 | 124.77 |
| 30 | 2 | 304 | CLA | C2D-C1D-ND | 5.68 | 115.75 | 110.13 |
| 30 | B | 818 | CLA | CHD-C4C-C3C | -5.68 | 116.50 | 124.77 |
| 38 | 13 | 308 | KC1 | C2B-C1B-NB | 5.68 | 115.74 | 110.13 |
| 30 | 7 | 310 | CLA | CHD-C4C-C3C | -5.67 | 116.50 | 124.77 |
| 38 | 11 | 307 | KC1 | C3A-C4A-NA | 5.67 | 117.47 | 110.45 |
| 30 | A | 826 | CLA | CHD-C4C-C3C | -5.67 | 116.50 | 124.77 |
| 38 | 9 | 312 | KC1 | C3B-C2B-C1B | -5.67 | 101.68 | 107.05 |
| 30 | 3 | 309 | CLA | O2D-CGD-CBD | 5.67 | 121.14 | 111.23 |
| 30 | 12 | 306 | CLA | CMD-C2D-C1D | 5.67 | 134.71 | 124.73 |
| 38 | 16 | 304 | KC1 | C2B-C1B-NB | 5.67 | 115.74 | 110.13 |
| 37 | 14 | 314 | A86 | C8-C6-C5 | 5.67 | 127.93 | 119.01 |
| 39 | 2 | 316 | DD6 | C24-C1-C2 | -5.67 | 110.09 | 119.01 |
| 30 | 16 | 310 | CLA | C2D-C1D-ND | 5.67 | 115.73 | 110.13 |
| 30 | 12 | 312 | CLA | CHD-C4C-C3C | -5.67 | 116.51 | 124.77 |
| 30 | 14 | 312 | CLA | C2D-C1D-ND | 5.66 | 115.73 | 110.13 |
| 30 | 7 | 310 | CLA | C2D-C1D-ND | 5.66 | 115.73 | 110.13 |
| 30 | 15 | 302 | CLA | CHD-C4C-C3C | -5.66 | 116.52 | 124.77 |
| 30 | 6 | 317 | CLA | CHD-C4C-C3C | -5.66 | 116.52 | 124.77 |
| 39 | 4 | 316 | DD6 | O1-C20-C21 | -5.66 | 108.72 | 115.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 311 | CLA | CHD-C4C-C3C | -5.66 | 116.52 | 124.77 |
| 37 | 10 | 302 | A86 | O4-C38-C39 | 5.66 | 121.18 | 111.09 |
| 30 | 5 | 308 | CLA | O2D-CGD-CBD | 5.65 | 121.12 | 111.23 |
| 38 | 3 | 308 | KC1 | O2D-CGD-CBD | 5.65 | 121.11 | 111.23 |
| 38 | 11 | 305 | KC1 | C1A-C2A-C3A | -5.65 | 102.08 | 107.28 |
| 38 | 13 | 311 | KC1 | CMD-C2D-C1D | 5.65 | 136.73 | 128.46 |
| 30 | B | 826 | CLA | O2D-CGD-CBD | 5.65 | 121.11 | 111.23 |
| 30 | 11 | 309 | CLA | O2D-CGD-CBD | 5.65 | 121.11 | 111.23 |
| 30 | 9 | 306 | CLA | C2D-C1D-ND | 5.65 | 115.72 | 110.13 |
| 30 | 6 | 309 | CLA | CHD-C4C-C3C | -5.65 | 116.54 | 124.77 |
| 30 | 15 | 312 | CLA | CBA-CAA-C2A | -5.65 | 96.99 | 113.79 |
| 30 | A | 821 | CLA | C2C-C1C-NC | 5.64 | 115.91 | 109.98 |
| 38 | 13 | 306 | KC1 | C3A-C4A-NA | 5.64 | 117.44 | 110.45 |
| 30 | B | 829 | CLA | C2D-C1D-ND | 5.64 | 115.71 | 110.13 |
| 38 | 2 | 306 | KC1 | C2B-C1B-NB | 5.64 | 115.71 | 110.13 |
| 38 | 3 | 311 | KC1 | C2B-C1B-NB | 5.64 | 115.71 | 110.13 |
| 30 | 8 | 303 | CLA | C2D-C1D-ND | 5.64 | 115.71 | 110.13 |
| 30 | 2 | 313 | CLA | CHD-C4C-C3C | -5.64 | 116.55 | 124.77 |
| 38 | 11 | 305 | KC1 | C3A-C4A-NA | 5.64 | 117.43 | 110.45 |
| 30 | 5 | 302 | CLA | C2D-C1D-ND | 5.64 | 115.70 | 110.13 |
| 38 | 13 | 305 | KC1 | C3B-C2B-C1B | -5.64 | 101.71 | 107.05 |
| 38 | 5 | 310 | KC1 | O2D-CGD-CBD | 5.64 | 121.08 | 111.23 |
| 30 | 14 | 303 | CLA | C2D-C1D-ND | 5.64 | 115.70 | 110.13 |
| 38 | 9 | 311 | KC1 | C3A-C4A-NA | 5.64 | 117.43 | 110.45 |
| 37 | 4 | 312 | A86 | O4-C38-C39 | 5.63 | 121.14 | 111.09 |
| 38 | 8 | 310 | KC1 | C3B-C2B-C1B | -5.63 | 101.72 | 107.05 |
| 38 | 9 | 310 | KC1 | O2D-CGD-CBD | 5.63 | 121.07 | 111.23 |
| 30 | A | 832 | CLA | C2D-C1D-ND | 5.63 | 115.70 | 110.13 |
| 37 | 4 | 314 | A86 | O4-C38-C39 | 5.63 | 121.13 | 111.09 |
| 39 | 4 | 313 | DD6 | C7-C6-C5 | -5.63 | 113.70 | 122.82 |
| 30 | 10 | 303 | CLA | C2D-C1D-ND | 5.63 | 115.70 | 110.13 |
| 39 | 5 | 313 | DD6 | C-C1-C24 | -5.63 | 109.49 | 118.09 |
| 30 | 3 | 303 | CLA | C2D-C1D-ND | 5.63 | 115.69 | 110.13 |
| 37 | 2u | 205 | A86 | C24-C1-C2 | 5.63 | 127.86 | 119.01 |
| 38 | 6 | 312 | KC1 | C3A-C4A-NA | 5.63 | 117.41 | 110.45 |
| 30 | A | 835 | CLA | CHD-C4C-C3C | -5.63 | 116.57 | 124.77 |
| 30 | A | 802 | CLA | O2D-CGD-CBD | 5.62 | 121.06 | 111.23 |
| 30 | A | 839 | CLA | CHD-C4C-C3C | -5.62 | 116.58 | 124.77 |
| 30 | 7 | 312 | CLA | C2D-C1D-ND | 5.62 | 115.69 | 110.13 |
| 39 | 7 | 317 | DD6 | C13-C11-C10 | -5.62 | 110.17 | 119.01 |
| 30 | B | 801 | CLA | CMD-C2D-C1D | 5.62 | 134.62 | 124.73 |
| 30 | 15 | 306 | CLA | CHD-C4C-C3C | -5.62 | 116.58 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 16 | 305 | CLA | CHD-C4C-C3C | -5.62 | 116.58 | 124.77 |
| 38 | 9 | 304 | KC1 | C1A-C2A-C3A | -5.62 | 102.12 | 107.28 |
| 30 | 2 | 310 | CLA | C2D-C1D-ND | 5.61 | 115.68 | 110.13 |
| 38 | 8 | 310 | KC1 | C1A-C2A-C3A | -5.61 | 102.12 | 107.28 |
| 30 | B | 805 | CLA | O2D-CGD-CBD | 5.61 | 121.05 | 111.23 |
| 38 | 13 | 311 | KC1 | C3A-C4A-NA | 5.61 | 117.40 | 110.45 |
| 30 | A | 815 | CLA | O2D-CGD-CBD | 5.61 | 121.04 | 111.23 |
| 38 | 10 | 312 | KC1 | CMD-C2D-C1D | 5.61 | 136.68 | 128.46 |
| 30 | A | 843 | CLA | C2D-C1D-ND | 5.61 | 115.68 | 110.13 |
| 30 | 15 | 308 | CLA | CMD-C2D-C1D | 5.61 | 134.61 | 124.73 |
| 30 | 4 | 309 | CLA | C2D-C1D-ND | 5.61 | 115.68 | 110.13 |
| 38 | 5 | 306 | KC1 | CMD-C2D-C1D | 5.61 | 136.67 | 128.46 |
| 38 | 11 | 305 | KC1 | C3B-C2B-C1B | -5.60 | 101.74 | 107.05 |
| 30 | 14 | 305 | CLA | C2D-C1D-ND | 5.60 | 115.67 | 110.13 |
| 30 | 2 | 313 | CLA | O2D-CGD-CBD | 5.60 | 121.03 | 111.23 |
| 30 | 8 | 303 | CLA | CHD-C4C-C3C | -5.60 | 116.60 | 124.77 |
| 39 | 15 | 318 | DD6 | C-C1-C24 | -5.60 | 109.53 | 118.09 |
| 30 | 5 | 308 | CLA | CHD-C4C-C3C | -5.60 | 116.61 | 124.77 |
| 30 | 2 | 309 | CLA | CHD-C4C-C3C | -5.60 | 116.61 | 124.77 |
| 30 | 6 | 310 | CLA | C2D-C1D-ND | 5.60 | 115.67 | 110.13 |
| 39 | 7 | 314 | DD6 | C-C1-C2 | -5.59 | 113.75 | 122.82 |
| 30 | 2 | 305 | CLA | CMD-C2D-C1D | 5.59 | 134.58 | 124.73 |
| 30 | 7 | 306 | CLA | C2C-C1C-NC | 5.59 | 115.86 | 109.98 |
| 30 | B | 820 | CLA | O2D-CGD-CBD | 5.59 | 121.00 | 111.23 |
| 39 | 7 | 317 | DD6 | C24-C1-C2 | -5.59 | 110.22 | 119.01 |
| 38 | 8 | 306 | KC1 | C3A-C4A-NA | 5.59 | 117.37 | 110.45 |
| 30 | 15 | 314 | CLA | CHD-C4C-C3C | -5.59 | 116.62 | 124.77 |
| 30 | 2 | 307 | CLA | C2D-C1D-ND | 5.59 | 115.66 | 110.13 |
| 37 | 4 | 314 | A86 | C4-C5-C6 | -5.59 | 119.44 | 127.28 |
| 39 | 1 | 310 | DD6 | C-C1-C24 | -5.59 | 109.55 | 118.09 |
| 30 | A | 809 | CLA | CHD-C4C-C3C | -5.59 | 116.63 | 124.77 |
| 39 | 10 | 314 | DD6 | C24-C1-C2 | -5.58 | 110.22 | 119.01 |
| 30 | B | 808 | CLA | CHD-C4C-C3C | -5.58 | 116.63 | 124.77 |
| 38 | 6 | 311 | KC1 | C2B-C1B-NB | 5.58 | 115.65 | 110.13 |
| 38 | 7 | 308 | KC1 | C1A-C2A-C3A | -5.58 | 102.15 | 107.28 |
| 37 | 5 | 316 | A86 | C3-C2-C1 | -5.58 | 119.45 | 127.28 |
| 30 | 12 | 307 | CLA | CMD-C2D-C1D | 5.58 | 134.56 | 124.73 |
| 38 | 11 | 312 | KC1 | C3A-C4A-NA | 5.58 | 117.36 | 110.45 |
| 30 | 14 | 304 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.77 |
| 30 | A | 833 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.77 |
| 30 | 3 | 303 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.77 |
| 30 | A | 821 | CLA | C2D-C1D-ND | 5.58 | 115.65 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 11 | 313 | DD6 | C8-C6-C5 | -5.58 | 110.24 | 119.01 |
| 30 | 15 | 307 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.77 |
| 30 | 14 | 312 | CLA | CHD-C4C-C3C | -5.58 | 116.64 | 124.77 |
| 30 | 3 | 307 | CLA | C2C-C1C-NC | 5.57 | 115.84 | 109.98 |
| 30 | A | 802 | CLA | CMD-C2D-C1D | 5.57 | 134.54 | 124.73 |
| 38 | 12 | 305 | KC1 | C1A-C2A-C3A | -5.57 | 102.16 | 107.28 |
| 38 | 14 | 308 | KC1 | C3C-C4C-NC | 5.57 | 115.87 | 109.90 |
| 30 | 3 | 301 | CLA | CHD-C4C-C3C | -5.57 | 116.65 | 124.77 |
| 30 | 13 | 307 | CLA | C2D-C1D-ND | 5.57 | 115.64 | 110.13 |
| 37 | 2 | 302 | A86 | C4-C3-C2 | -5.57 | 112.12 | 123.52 |
| 39 | 15 | 319 | DD6 | C24-C1-C2 | -5.57 | 110.25 | 119.01 |
| 30 | B | 851 | CLA | CHD-C4C-C3C | -5.57 | 116.66 | 124.77 |
| 38 | 8 | 314 | KC1 | CMD-C2D-C1D | 5.57 | 136.61 | 128.46 |
| 30 | B | 818 | CLA | C2D-C1D-ND | 5.57 | 115.63 | 110.13 |
| 29 | A | 801 | CL0 | C2C-C1C-NC | 5.56 | 115.83 | 109.98 |
| 38 | 4 | 310 | KC1 | CMD-C2D-C1D | 5.56 | 136.61 | 128.46 |
| 38 | 2 | 312 | KC1 | C3A-C4A-NA | 5.56 | 117.34 | 110.45 |
| 38 | 6 | 308 | KC1 | C2B-C1B-NB | 5.56 | 115.63 | 110.13 |
| 38 | 12 | 309 | KC1 | CMA-C3A-C2A | -5.56 | 114.97 | 128.43 |
| 39 | 10 | 313 | DD6 | C4-C5-C6 | -5.56 | 119.48 | 127.28 |
| 39 | 7 | 302 | DD6 | C24-C1-C2 | -5.56 | 110.27 | 119.01 |
| 30 | B | 838 | CLA | CHD-C4C-C3C | -5.56 | 116.67 | 124.77 |
| 38 | 12 | 313 | KC1 | C3A-C4A-NA | 5.56 | 117.33 | 110.45 |
| 30 | 12 | 304 | CLA | C2D-C1D-ND | 5.55 | 115.62 | 110.13 |
| 37 | 9 | 313 | A86 | C4-C5-C6 | -5.55 | 119.49 | 127.28 |
| 30 | 10 | 309 | CLA | CHD-C4C-C3C | -5.55 | 116.69 | 124.77 |
| 30 | 16 | 309 | CLA | CHD-C4C-C3C | -5.55 | 116.69 | 124.77 |
| 30 | 4 | 305 | CLA | CHD-C4C-C3C | -5.54 | 116.69 | 124.77 |
| 30 | 5 | 308 | CLA | CMD-C2D-C1D | 5.54 | 134.49 | 124.73 |
| 30 | 6 | 304 | CLA | CHD-C4C-C3C | -5.54 | 116.69 | 124.77 |
| 30 | 11 | 304 | CLA | CHD-C4C-C3C | -5.54 | 116.69 | 124.77 |
| 30 | 9 | 309 | CLA | CHD-C4C-C3C | -5.54 | 116.70 | 124.77 |
| 30 | B | 818 | CLA | C4A-NA-C1A | -5.54 | 104.15 | 106.68 |
| 38 | 1 | 306 | KC1 | C1A-C2A-C3A | -5.54 | 102.19 | 107.28 |
| 39 | 2 | 316 | DD6 | C7-C6-C5 | -5.54 | 113.84 | 122.82 |
| 37 | 15 | 316 | A86 | C3-C2-C1 | -5.54 | 119.51 | 127.28 |
| 30 | 5 | 311 | CLA | CHD-C4C-C3C | -5.54 | 116.70 | 124.77 |
| 30 | 15 | 304 | CLA | CHD-C4C-C3C | -5.54 | 116.70 | 124.77 |
| 38 | 10 | 306 | KC1 | C3B-C2B-C1B | -5.54 | 101.81 | 107.05 |
| 38 | 7 | 313 | KC1 | CMD-C2D-C1D | 5.53 | 136.56 | 128.46 |
| 30 | 15 | 307 | CLA | C2C-C1C-NC | 5.53 | 115.79 | 109.98 |
| 30 | A | 838 | CLA | C2D-C1D-ND | 5.53 | 115.60 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 5 | 312 | KC1 | C3B-C2B-C1B | -5.53 | 101.81 | 107.05 |
| 30 | 15 | 310 | CLA | CHD-C4C-C3C | -5.53 | 116.71 | 124.77 |
| 30 | 6 | 305 | CLA | C2D-C1D-ND | 5.53 | 115.60 | 110.13 |
| 30 | A | 825 | CLA | C2D-C1D-ND | 5.53 | 115.60 | 110.13 |
| 30 | 14 | 302 | CLA | CHD-C4C-C3C | -5.53 | 116.72 | 124.77 |
| 30 | 14 | 305 | CLA | CHD-C4C-C3C | -5.53 | 116.72 | 124.77 |
| 37 | 13 | 315 | A86 | O4-C38-C39 | 5.52 | 120.94 | 111.09 |
| 30 | J | 101 | CLA | CHD-C4C-C3C | -5.52 | 116.72 | 124.77 |
| 30 | A | 812 | CLA | CHD-C4C-C3C | -5.52 | 116.72 | 124.77 |
| 38 | 3 | 304 | KC1 | C3A-C4A-NA | 5.52 | 117.28 | 110.45 |
| 30 | 16 | 307 | CLA | C2D-C1D-ND | 5.52 | 115.59 | 110.13 |
| 30 | 12 | 306 | CLA | CHD-C4C-C3C | -5.52 | 116.72 | 124.77 |
| 38 | 12 | 305 | KC1 | CMD-C2D-C1D | 5.52 | 136.54 | 128.46 |
| 39 | 7 | 317 | DD6 | C7-C6-C8 | -5.52 | 109.66 | 118.09 |
| 39 | 8 | 316 | DD6 | C13-C11-C10 | -5.52 | 110.33 | 119.01 |
| 30 | 14 | 303 | CLA | CHD-C4C-C3C | -5.52 | 116.73 | 124.77 |
| 30 | A | 843 | CLA | CHD-C4C-C3C | -5.51 | 116.73 | 124.77 |
| 38 | 12 | 305 | KC1 | C2B-C1B-NB | 5.51 | 115.58 | 110.13 |
| 30 | 2 | 311 | CLA | CHD-C4C-C3C | -5.51 | 116.73 | 124.77 |
| 30 | A | 841 | CLA | C2D-C1D-ND | 5.51 | 115.58 | 110.13 |
| 30 | 9 | 306 | CLA | CHD-C4C-C3C | -5.51 | 116.74 | 124.77 |
| 38 | 3 | 304 | KC1 | C2B-C1B-NB | 5.51 | 115.58 | 110.13 |
| 30 | B | 811 | CLA | CMD-C2D-C1D | 5.51 | 134.43 | 124.73 |
| 30 | A | 822 | CLA | CHD-C4C-C3C | -5.51 | 116.75 | 124.77 |
| 30 | 7 | 309 | CLA | CHD-C4C-C3C | -5.51 | 116.75 | 124.77 |
| 30 | B | 812 | CLA | C2D-C1D-ND | 5.50 | 115.57 | 110.13 |
| 30 | 14 | 302 | CLA | C2D-C1D-ND | 5.50 | 115.57 | 110.13 |
| 38 | 11 | 307 | KC1 | C2B-C1B-NB | 5.50 | 115.57 | 110.13 |
| 30 | 6 | 305 | CLA | CHD-C4C-C3C | -5.50 | 116.75 | 124.77 |
| 30 | 15 | 306 | CLA | C2C-C1C-NC | 5.50 | 115.76 | 109.98 |
| 30 | 12 | 304 | CLA | CHD-C4C-C3C | -5.50 | 116.75 | 124.77 |
| 30 | 1 | 302 | CLA | O2D-CGD-CBD | 5.50 | 120.85 | 111.23 |
| 38 | 14 | 306 | KC1 | C2B-C1B-NB | 5.50 | 115.57 | 110.13 |
| 30 | 10 | 308 | CLA | C2D-C1D-ND | 5.50 | 115.57 | 110.13 |
| 30 | 12 | 306 | CLA | C2D-C1D-ND | 5.50 | 115.57 | 110.13 |
| 38 | 2 | 314 | KC1 | C3A-C4A-NA | 5.50 | 117.25 | 110.45 |
| 38 | 2 | 306 | KC1 | CMD-C2D-C1D | 5.50 | 136.51 | 128.46 |
| 39 | 15 | 318 | DD6 | C24-C1-C2 | -5.50 | 110.36 | 119.01 |
| 30 | B | 830 | CLA | O2D-CGD-CBD | 5.50 | 120.84 | 111.23 |
| 30 | A | 806 | CLA | CHD-C4C-C3C | -5.49 | 116.76 | 124.77 |
| 30 | 14 | 310 | CLA | CHD-C4C-C3C | -5.49 | 116.77 | 124.77 |
| 30 | 8 | 309 | CLA | C2D-C1D-ND | 5.49 | 115.56 | 110.13 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 4 | 307 | KC1 | O2D-CGD-CBD | 5.49 | 120.83 | 111.23 |
| 38 | 11 | 311 | KC1 | C2B-C1B-NB | 5.49 | 115.56 | 110.13 |
| 37 | 6 | 320 | A86 | C25-C26-C27 | -5.49 | 119.58 | 127.28 |
| 38 | 8 | 306 | KC1 | C2B-C1B-NB | 5.49 | 115.56 | 110.13 |
| 38 | 13 | 308 | KC1 | C1A-C2A-C3A | -5.49 | 102.24 | 107.28 |
| 38 | 6 | 312 | KC1 | C3B-C2B-C1B | -5.49 | 101.86 | 107.05 |
| 30 | B | 829 | CLA | CHD-C4C-C3C | -5.49 | 116.78 | 124.77 |
| 37 | 9 | 316 | A86 | C4-C5-C6 | -5.49 | 119.58 | 127.28 |
| 30 | B | 830 | CLA | C3D-C2D-C1D | -5.48 | 98.35 | 105.83 |
| 39 | 8 | 316 | DD6 | C-C1-C24 | -5.48 | 109.71 | 118.09 |
| 39 | 9 | 314 | DD6 | C8-C6-C5 | -5.48 | 110.38 | 119.01 |
| 30 | A | 809 | CLA | O2D-CGD-CBD | 5.48 | 120.81 | 111.23 |
| 30 | 1 | 307 | CLA | CHD-C4C-C3C | -5.48 | 116.78 | 124.77 |
| 30 | A | 828 | CLA | C3D-C2D-C1D | -5.48 | 98.35 | 105.83 |
| 38 | 10 | 310 | KC1 | C3B-C2B-C1B | -5.48 | 101.86 | 107.05 |
| 30 | 5 | 309 | CLA | CHD-C4C-C3C | -5.48 | 116.78 | 124.77 |
| 38 | 4 | 308 | KC1 | CMD-C2D-C1D | 5.48 | 136.48 | 128.46 |
| 38 | 2 | 314 | KC1 | C2B-C1B-NB | 5.48 | 115.55 | 110.13 |
| 39 | 3 | 312 | DD6 | C-C1-C24 | -5.48 | 109.72 | 118.09 |
| 39 | 15 | 319 | DD6 | C-C1-C24 | -5.48 | 109.72 | 118.09 |
| 38 | 11 | 307 | KC1 | C1A-C2A-C3A | -5.47 | 102.25 | 107.28 |
| 30 | 7 | 303 | CLA | O2D-CGD-CBD | 5.47 | 120.80 | 111.23 |
| 39 | 3 | 316 | DD6 | C-C1-C24 | -5.47 | 109.73 | 118.09 |
| 37 | 3 | 315 | A86 | C33-C32-C31 | 5.47 | 114.53 | 109.21 |
| 30 | 6 | 309 | CLA | C2D-C1D-ND | 5.47 | 115.54 | 110.13 |
| 30 | B | 809 | CLA | CHD-C4C-C3C | -5.47 | 116.80 | 124.77 |
| 30 | 13 | 304 | CLA | CHD-C4C-C3C | -5.47 | 116.80 | 124.77 |
| 37 | 14 | 316 | A86 | C25-C26-C27 | -5.47 | 119.61 | 127.28 |
| 30 | 11 | 309 | CLA | C2D-C1D-ND | 5.47 | 115.54 | 110.13 |
| 30 | 16 | 307 | CLA | CHD-C4C-C3C | -5.47 | 116.80 | 124.77 |
| 30 | 12 | 307 | CLA | O2D-CGD-CBD | 5.47 | 120.78 | 111.23 |
| 38 | 14 | 311 | KC1 | CMD-C2D-C1D | 5.46 | 136.46 | 128.46 |
| 30 | A | 807 | CLA | C4A-NA-C1A | -5.46 | 104.19 | 106.68 |
| 30 | 6 | 305 | CLA | C4A-NA-C1A | -5.46 | 104.19 | 106.68 |
| 38 | 12 | 309 | KC1 | O2D-CGD-CBD | 5.46 | 120.77 | 111.23 |
| 30 | L | 202 | CLA | O2D-CGD-CBD | 5.45 | 120.77 | 111.23 |
| 39 | 2 | 317 | DD6 | C13-C11-C10 | -5.45 | 110.43 | 119.01 |
| 30 | A | 836 | CLA | CMD-C2D-C1D | 5.45 | 134.33 | 124.73 |
| 30 | 11 | 308 | CLA | CHD-C4C-C3C | -5.45 | 116.82 | 124.77 |
| 38 | 6 | 311 | KC1 | C1A-NA-C4A | -5.45 | 104.19 | 106.68 |
| 30 | 13 | 309 | CLA | C2C-C1C-NC | 5.45 | 115.71 | 109.98 |
| 30 | B | 802 | CLA | C4A-NA-C1A | -5.45 | 104.19 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 6 | 311 | KC1 | O2D-CGD-CBD | 5.45 | 120.75 | 111.23 |
| 30 | 7 | 306 | CLA | CHD-C4C-C3C | -5.45 | 116.83 | 124.77 |
| 30 | 15 | 308 | CLA | CHD-C4C-C3C | -5.45 | 116.83 | 124.77 |
| 38 | 12 | 309 | KC1 | CMD-C2D-C1D | 5.45 | 136.44 | 128.46 |
| 38 | 14 | 311 | KC1 | C1A-C2A-C3A | -5.45 | 102.27 | 107.28 |
| 30 | 1 | 301 | CLA | CHD-C4C-C3C | -5.45 | 116.83 | 124.77 |
| 38 | 10 | 306 | KC1 | C3A-C4A-NA | 5.45 | 117.19 | 110.45 |
| 30 | 11 | 310 | CLA | C4A-NA-C1A | -5.44 | 104.19 | 106.68 |
| 30 | 10 | 308 | CLA | CHD-C4C-C3C | -5.44 | 116.84 | 124.77 |
| 30 | 6 | 306 | CLA | O2D-CGD-CBD | 5.44 | 120.74 | 111.23 |
| 39 | 3 | 316 | DD6 | C13-C11-C10 | -5.44 | 110.45 | 119.01 |
| 30 | F | 203 | CLA | O2D-CGD-CBD | 5.44 | 120.74 | 111.23 |
| 30 | 2 | 305 | CLA | CHD-C4C-C3C | -5.44 | 116.84 | 124.77 |
| 38 | 5 | 312 | KC1 | C2B-C1B-NB | 5.44 | 115.51 | 110.13 |
| 30 | A | 844 | CLA | CHD-C4C-C3C | -5.44 | 116.84 | 124.77 |
| 30 | B | 819 | CLA | CMD-C2D-C1D | 5.44 | 134.30 | 124.73 |
| 38 | 12 | 311 | KC1 | O2D-CGD-CBD | 5.44 | 120.73 | 111.23 |
| 30 | B | 819 | CLA | CHD-C4C-C3C | -5.43 | 116.85 | 124.77 |
| 30 | L | 202 | CLA | CHD-C4C-C3C | -5.43 | 116.85 | 124.77 |
| 30 | 4 | 306 | CLA | O2D-CGD-CBD | 5.43 | 120.72 | 111.23 |
| 38 | 5 | 312 | KC1 | C1A-C2A-C3A | -5.43 | 102.29 | 107.28 |
| 38 | 5 | 310 | KC1 | C2B-C1B-NB | 5.43 | 115.50 | 110.13 |
| 30 | A | 842 | CLA | O2D-CGD-CBD | 5.43 | 120.72 | 111.23 |
| 38 | 12 | 313 | KC1 | O2D-CGD-CBD | 5.43 | 120.72 | 111.23 |
| 37 | 14 | 316 | A86 | C4-C5-C6 | -5.43 | 119.67 | 127.28 |
| 30 | A | 827 | CLA | C3D-C2D-C1D | -5.42 | 98.43 | 105.83 |
| 30 | B | 813 | CLA | O2D-CGD-CBD | 5.42 | 120.70 | 111.23 |
| 38 | 9 | 304 | KC1 | C2B-C1B-NB | 5.42 | 115.49 | 110.13 |
| 38 | 13 | 308 | KC1 | CMD-C2D-C1D | 5.42 | 136.39 | 128.46 |
| 30 | 7 | 309 | CLA | C2C-C1C-NC | 5.41 | 115.67 | 109.98 |
| 37 | 9 | 316 | A86 | C25-C26-C27 | -5.41 | 119.69 | 127.28 |
| 30 | 4 | 303 | CLA | C4A-NA-C1A | -5.41 | 104.21 | 106.68 |
| 30 | B | 832 | CLA | CHD-C4C-C3C | -5.41 | 116.88 | 124.77 |
| 38 | 13 | 306 | KC1 | CMD-C2D-C1D | 5.41 | 136.38 | 128.46 |
| 30 | B | 820 | CLA | C3D-C2D-C1D | -5.41 | 98.45 | 105.83 |
| 30 | A | 808 | CLA | O2D-CGD-CBD | 5.41 | 120.68 | 111.23 |
| 30 | 15 | 309 | CLA | CHD-C4C-C3C | -5.41 | 116.89 | 124.77 |
| 30 | 3 | 306 | CLA | CHD-C4C-C3C | -5.40 | 116.89 | 124.77 |
| 30 | 6 | 314 | CLA | CHD-C4C-C3C | -5.40 | 116.89 | 124.77 |
| 30 | 13 | 307 | CLA | CHD-C4C-C3C | -5.40 | 116.89 | 124.77 |
| 38 | 7 | 308 | KC1 | C3B-C2B-C1B | -5.40 | 101.93 | 107.05 |
| 30 | A | 824 | CLA | C4A-NA-C1A | -5.40 | 104.22 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 312 | KC1 | CHB-C4A-C3A | -5.40 | 116.50 | 125.03 |
| 39 | 7 | 318 | DD6 | C-C1-C24 | -5.40 | 109.84 | 118.09 |
| 38 | 3 | 311 | KC1 | C3A-C4A-NA | 5.40 | 117.13 | 110.45 |
| 38 | 6 | 312 | KC1 | CMD-C2D-C1D | 5.39 | 136.36 | 128.46 |
| 30 | 8 | 305 | CLA | C3D-C2D-C1D | -5.39 | 98.47 | 105.83 |
| 39 | 4 | 316 | DD6 | C8-C6-C5 | -5.39 | 110.53 | 119.01 |
| 30 | B | 821 | CLA | CHD-C4C-C3C | -5.39 | 116.91 | 124.77 |
| 30 | B | 808 | CLA | C2D-C1D-ND | 5.39 | 115.46 | 110.13 |
| 30 | 15 | 312 | CLA | CHD-C4C-C3C | -5.39 | 116.91 | 124.77 |
| 38 | 8 | 312 | KC1 | CMD-C2D-C1D | 5.39 | 136.35 | 128.46 |
| 30 | 12 | 321 | CLA | CHD-C4C-C3C | -5.39 | 116.92 | 124.77 |
| 30 | A | 814 | CLA | CHD-C4C-C3C | -5.39 | 116.92 | 124.77 |
| 30 | A | 817 | CLA | CHD-C4C-C3C | -5.39 | 116.92 | 124.77 |
| 30 | 7 | 304 | CLA | CHD-C4C-C3C | -5.38 | 116.92 | 124.77 |
| 30 | 2 | 307 | CLA | CHD-C4C-C3C | -5.38 | 116.92 | 124.77 |
| 39 | 6 | 303 | DD6 | C24-C1-C2 | -5.38 | 110.54 | 119.01 |
| 30 | 6 | 309 | CLA | O2D-CGD-CBD | 5.38 | 120.64 | 111.23 |
| 37 | 15 | 323 | A86 | O4-C38-C39 | 5.38 | 120.68 | 111.09 |
| 38 | 4 | 307 | KC1 | C1A-C2A-C3A | -5.38 | 102.34 | 107.28 |
| 38 | 14 | 308 | KC1 | C1A-C2A-C3A | -5.38 | 102.34 | 107.28 |
| 30 | B | 824 | CLA | CAA-C2A-C3A | -5.38 | 98.47 | 113.00 |
| 38 | 12 | 313 | KC1 | CHD-C4C-C3C | -5.38 | 115.31 | 125.23 |
| 30 | 1 | 304 | CLA | CMD-C2D-C1D | 5.38 | 134.20 | 124.73 |
| 38 | 8 | 307 | KC1 | C2B-C1B-NB | 5.38 | 115.45 | 110.13 |
| 30 | 12 | 307 | CLA | C4A-NA-C1A | -5.37 | 104.23 | 106.68 |
| 30 | 6 | 314 | CLA | C2D-C1D-ND | 5.37 | 115.44 | 110.13 |
| 38 | 10 | 312 | KC1 | C2B-C1B-NB | 5.37 | 115.44 | 110.13 |
| 30 | B | 851 | CLA | C2D-C1D-ND | 5.37 | 115.44 | 110.13 |
| 37 | 5 | 315 | A86 | C4-C5-C6 | -5.37 | 119.75 | 127.28 |
| 30 | A | 836 | CLA | C2D-C1D-ND | 5.37 | 115.44 | 110.13 |
| 30 | B | 834 | CLA | C4A-NA-C1A | -5.37 | 104.23 | 106.68 |
| 37 | 13 | 315 | A86 | C4-C5-C6 | -5.37 | 119.75 | 127.28 |
| 30 | 3 | 310 | CLA | CHD-C4C-C3C | -5.37 | 116.94 | 124.77 |
| 38 | 10 | 306 | KC1 | CMD-C2D-C1D | 5.37 | 136.32 | 128.46 |
| 38 | 13 | 312 | KC1 | C2B-C1B-NB | 5.37 | 115.44 | 110.13 |
| 39 | 3 | 312 | DD6 | C24-C1-C2 | -5.37 | 110.57 | 119.01 |
| 38 | 8 | 311 | KC1 | C3A-C4A-NA | 5.37 | 117.09 | 110.45 |
| 30 | B | 836 | CLA | C3D-C2D-C1D | -5.37 | 98.51 | 105.83 |
| 30 | A | 836 | CLA | C2C-C1C-NC | 5.36 | 115.62 | 109.98 |
| 39 | 2 | 316 | DD6 | C-C1-C24 | -5.36 | 109.90 | 118.09 |
| 30 | B | 809 | CLA | CMD-C2D-C1D | 5.36 | 134.16 | 124.73 |
| 30 | 4 | 309 | CLA | O2D-CGD-CBD | 5.36 | 120.60 | 111.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 814 | CLA | C2D-C1D-ND | 5.36 | 115.43 | 110.13 |
| 30 | 16 | 308 | CLA | CHD-C4C-C3C | -5.36 | 116.96 | 124.77 |
| 30 | 2 | 304 | CLA | C4A-NA-C1A | -5.35 | 104.24 | 106.68 |
| 30 | A | 823 | CLA | CHD-C4C-C3C | -5.35 | 116.97 | 124.77 |
| 38 | 8 | 312 | KC1 | C3B-C2B-C1B | -5.35 | 101.98 | 107.05 |
| 38 | 13 | 306 | KC1 | C3B-C2B-C1B | -5.35 | 101.98 | 107.05 |
| 38 | 5 | 305 | KC1 | C3A-C4A-NA | 5.35 | 117.07 | 110.45 |
| 30 | 3 | 306 | CLA | C2D-C1D-ND | 5.35 | 115.42 | 110.13 |
| 38 | 11 | 307 | KC1 | CMD-C2D-C1D | 5.35 | 136.29 | 128.46 |
| 30 | B | 816 | CLA | O2D-CGD-CBD | 5.35 | 120.58 | 111.23 |
| 30 | A | 826 | CLA | C2C-C1C-NC | 5.35 | 115.60 | 109.98 |
| 30 | 4 | 311 | CLA | CHD-C4C-C3C | -5.34 | 116.98 | 124.77 |
| 30 | 4 | 309 | CLA | CHD-C4C-C3C | -5.34 | 116.98 | 124.77 |
| 30 | 9 | 309 | CLA | C2D-C1D-ND | 5.34 | 115.41 | 110.13 |
| 30 | 7 | 312 | CLA | CHD-C4C-C3C | -5.34 | 116.98 | 124.77 |
| 30 | B | 812 | CLA | CHD-C4C-C3C | -5.34 | 116.99 | 124.77 |
| 39 | 2 | 317 | DD6 | C-C1-C24 | -5.34 | 109.93 | 118.09 |
| 30 | A | 821 | CLA | CMD-C2D-C1D | 5.34 | 134.13 | 124.73 |
| 37 | 11 | 315 | A86 | C25-C26-C27 | -5.34 | 119.80 | 127.28 |
| 37 | 5 | 316 | A86 | O4-C38-C39 | 5.34 | 120.60 | 111.09 |
| 30 | 8 | 303 | CLA | CMD-C2D-C1D | 5.34 | 134.12 | 124.73 |
| 39 | 3 | 316 | DD6 | C12-C11-C13 | -5.33 | 109.94 | 118.09 |
| 39 | 6 | 318 | DD6 | C8-C6-C5 | -5.33 | 110.62 | 119.01 |
| 38 | 8 | 311 | KC1 | C2B-C1B-NB | 5.33 | 115.41 | 110.13 |
| 30 | B | 814 | CLA | CMD-C2D-C1D | 5.33 | 134.12 | 124.73 |
| 39 | 3 | 313 | DD6 | C24-C1-C2 | -5.33 | 110.62 | 119.01 |
| 30 | 5 | 307 | CLA | C2C-C1C-NC | 5.33 | 115.58 | 109.98 |
| 38 | 11 | 311 | KC1 | C1A-C2A-C3A | -5.33 | 102.38 | 107.28 |
| 37 | 2u | 203 | A86 | C7-C6-C8 | 5.33 | 126.23 | 118.09 |
| 30 | 12 | 304 | CLA | O2D-CGD-CBD | 5.33 | 120.55 | 111.23 |
| 30 | A | 810 | CLA | CHD-C4C-C3C | -5.33 | 117.00 | 124.77 |
| 30 | 15 | 310 | CLA | O2D-CGD-CBD | 5.33 | 120.55 | 111.23 |
| 30 | 14 | 309 | CLA | C2D-C1D-ND | 5.33 | 115.40 | 110.13 |
| 38 | 8 | 314 | KC1 | C3A-C4A-NA | 5.33 | 117.04 | 110.45 |
| 38 | 9 | 311 | KC1 | C2B-C1B-NB | 5.33 | 115.40 | 110.13 |
| 30 | 13 | 301 | CLA | O2D-CGD-CBD | 5.33 | 120.54 | 111.23 |
| 30 | 1 | 305 | CLA | C2D-C1D-ND | 5.32 | 115.40 | 110.13 |
| 38 | 8 | 313 | KC1 | C1A-C2A-C3A | -5.32 | 102.39 | 107.28 |
| 30 | A | 802 | CLA | CHD-C4C-C3C | -5.32 | 117.01 | 124.77 |
| 30 | A | 824 | CLA | C2D-C1D-ND | 5.32 | 115.39 | 110.13 |
| 30 | 3 | 306 | CLA | O2D-CGD-CBD | 5.32 | 120.53 | 111.23 |
| 30 | 16 | 306 | CLA | CHD-C4C-C3C | -5.32 | 117.02 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 12 | 317 | DD6 | C21-C20-C19 | -5.32 | 108.27 | 114.24 |
| 39 | 16 | 313 | DD6 | C14-C13-C11 | 5.32 | 133.78 | 125.53 |
| 30 | 4 | 303 | CLA | O2D-CGD-CBD | 5.32 | 120.53 | 111.23 |
| 38 | 13 | 310 | KC1 | C3C-C4C-NC | 5.32 | 115.60 | 109.90 |
| 30 | 4 | 304 | CLA | C2D-C1D-ND | 5.32 | 115.39 | 110.13 |
| 38 | 2 | 306 | KC1 | C1A-C2A-C3A | -5.31 | 102.39 | 107.28 |
| 38 | 13 | 310 | KC1 | C2B-C1B-NB | 5.31 | 115.38 | 110.13 |
| 38 | 8 | 307 | KC1 | CMD-C2D-C1D | 5.31 | 136.24 | 128.46 |
| 30 | 8 | 309 | CLA | O2D-CGD-CBD | 5.31 | 120.51 | 111.23 |
| 30 | A | 837 | CLA | CHD-C4C-C3C | -5.31 | 117.03 | 124.77 |
| 30 | 11 | 306 | CLA | C4A-NA-C1A | -5.31 | 104.26 | 106.68 |
| 30 | 7 | 311 | CLA | CHD-C4C-C3C | -5.30 | 117.04 | 124.77 |
| 30 | 7 | 306 | CLA | CMD-C2D-C1D | 5.30 | 134.06 | 124.73 |
| 38 | 8 | 310 | KC1 | CHD-C4C-C3C | -5.30 | 115.45 | 125.23 |
| 38 | 1 | 308 | KC1 | C2B-C1B-NB | 5.30 | 115.37 | 110.13 |
| 30 | 6 | 309 | CLA | CMD-C2D-C1D | 5.30 | 134.06 | 124.73 |
| 37 | 10 | 317 | A86 | O4-C38-C39 | 5.30 | 120.53 | 111.09 |
| 38 | 8 | 313 | KC1 | C3C-C4C-NC | 5.29 | 115.57 | 109.90 |
| 30 | 4 | 311 | CLA | C2C-C1C-NC | 5.29 | 115.54 | 109.98 |
| 30 | A | 802 | CLA | C2D-C1D-ND | 5.29 | 115.36 | 110.13 |
| 30 | A | 844 | CLA | C2D-C1D-ND | 5.29 | 115.36 | 110.13 |
| 30 | A | 821 | CLA | CHD-C4C-C3C | -5.29 | 117.06 | 124.77 |
| 38 | 2 | 314 | KC1 | CMD-C2D-C1D | 5.29 | 136.20 | 128.46 |
| 30 | A | 802 | CLA | CAA-C2A-C3A | -5.29 | 98.71 | 113.00 |
| 30 | A | 837 | CLA | C2D-C1D-ND | 5.29 | 115.36 | 110.13 |
| 30 | 2 | 301 | CLA | C1C-C2C-C3C | -5.28 | 101.42 | 106.98 |
| 39 | 1 | 310 | DD6 | C7-C6-C8 | -5.28 | 110.02 | 118.09 |
| 38 | 5 | 310 | KC1 | C3B-C2B-C1B | -5.28 | 102.05 | 107.05 |
| 30 | B | 835 | CLA | O2D-CGD-CBD | 5.28 | 120.47 | 111.23 |
| 30 | 9 | 305 | CLA | CAA-C2A-C3A | -5.28 | 98.73 | 113.00 |
| 30 | 6 | 316 | CLA | CHD-C4C-C3C | -5.28 | 117.07 | 124.77 |
| 30 | B | 823 | CLA | C2D-C1D-ND | 5.28 | 115.35 | 110.13 |
| 38 | 2 | 312 | KC1 | C2B-C1B-NB | 5.28 | 115.35 | 110.13 |
| 39 | 8 | 317 | DD6 | O1-C15-C14 | -5.28 | 101.76 | 116.88 |
| 30 | B | 803 | CLA | CMD-C2D-C1D | 5.28 | 134.02 | 124.73 |
| 30 | A | 835 | CLA | C2D-C1D-ND | 5.28 | 115.35 | 110.13 |
| 39 | 3 | 316 | DD6 | C7-C6-C8 | -5.27 | 110.03 | 118.09 |
| 37 | 15 | 321 | A86 | O4-C38-C39 | 5.27 | 120.49 | 111.09 |
| 30 | 7 | 303 | CLA | CMD-C2D-C1D | 5.27 | 134.01 | 124.73 |
| 30 | 11 | 306 | CLA | CAA-C2A-C3A | -5.27 | 98.76 | 113.00 |
| 38 | 8 | 313 | KC1 | C2B-C1B-NB | 5.27 | 115.34 | 110.13 |
| 30 | B | 809 | CLA | C2C-C1C-NC | 5.27 | 115.51 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 305 | CLA | C2C-C1C-NC | 5.27 | 115.51 | 109.98 |
| 38 | 1 | 306 | KC1 | C2B-C1B-NB | 5.26 | 115.33 | 110.13 |
| 38 | 5 | 305 | KC1 | CMD-C2D-C1D | 5.26 | 136.17 | 128.46 |
| 38 | 9 | 311 | KC1 | C1A-C2A-C3A | -5.26 | 102.44 | 107.28 |
| 39 | 2 | 317 | DD6 | C21-C20-C15 | -5.26 | 113.64 | 122.30 |
| 38 | 6 | 312 | KC1 | C2B-C1B-NB | 5.26 | 115.33 | 110.13 |
| 30 | 13 | 303 | CLA | CHD-C4C-C3C | -5.26 | 117.10 | 124.77 |
| 38 | 11 | 312 | KC1 | CHC-C1C-C2C | -5.26 | 116.72 | 125.03 |
| 30 | 7 | 312 | CLA | C2C-C1C-NC | 5.26 | 115.50 | 109.98 |
| 38 | 3 | 311 | KC1 | O2D-CGD-CBD | 5.26 | 120.42 | 111.23 |
| 30 | 1 | 305 | CLA | CHD-C4C-C3C | -5.26 | 117.11 | 124.77 |
| 30 | 2 | 310 | CLA | C4A-NA-C1A | -5.26 | 104.28 | 106.68 |
| 37 | 8 | 315 | A86 | C10-C9-C8 | -5.26 | 107.97 | 123.20 |
| 39 | 10 | 314 | DD6 | O1-C15-C14 | -5.25 | 101.82 | 116.88 |
| 30 | 9 | 302 | CLA | CHD-C4C-C3C | -5.25 | 117.11 | 124.77 |
| 38 | 13 | 306 | KC1 | C2B-C1B-NB | 5.25 | 115.32 | 110.13 |
| 30 | 8 | 305 | CLA | O2D-CGD-CBD | 5.25 | 120.41 | 111.23 |
| 30 | 16 | 306 | CLA | C4A-NA-C1A | -5.25 | 104.28 | 106.68 |
| 38 | 11 | 311 | KC1 | CMD-C2D-C1D | 5.25 | 136.15 | 128.46 |
| 37 | 3 | 315 | A86 | C36-C31-C32 | -5.25 | 114.49 | 119.70 |
| 39 | 7 | 302 | DD6 | C21-C20-C15 | -5.25 | 113.67 | 122.30 |
| 30 | A | 803 | CLA | CHD-C4C-C3C | -5.25 | 117.12 | 124.77 |
| 37 | 10 | 301 | A86 | O4-C38-C39 | 5.24 | 120.44 | 111.09 |
| 38 | 9 | 304 | KC1 | CMD-C2D-C1D | 5.24 | 136.14 | 128.46 |
| 38 | 12 | 313 | KC1 | C3C-C4C-NC | 5.24 | 115.52 | 109.90 |
| 30 | 12 | 306 | CLA | O2D-CGD-CBD | 5.24 | 120.39 | 111.23 |
| 37 | 10 | 317 | A86 | C3-C2-C1 | -5.24 | 119.93 | 127.28 |
| 38 | 1 | 308 | KC1 | C3B-C2B-C1B | -5.24 | 102.09 | 107.05 |
| 30 | A | 815 | CLA | C2D-C1D-ND | 5.24 | 115.31 | 110.13 |
| 30 | B | 830 | CLA | CHD-C4C-C3C | -5.24 | 117.14 | 124.77 |
| 38 | 6 | 308 | KC1 | C3C-C4C-NC | 5.23 | 115.51 | 109.90 |
| 30 | 6 | 316 | CLA | C2D-C1D-ND | 5.23 | 115.30 | 110.13 |
| 30 | 11 | 310 | CLA | C2D-C1D-ND | 5.23 | 115.30 | 110.13 |
| 37 | 15 | 320 | A86 | O4-C38-C39 | 5.23 | 120.41 | 111.09 |
| 30 | 15 | 305 | CLA | CHD-C4C-C3C | -5.23 | 117.15 | 124.77 |
| 38 | 11 | 312 | KC1 | C3B-C2B-C1B | -5.22 | 102.10 | 107.05 |
| 30 | A | 820 | CLA | O2D-CGD-CBD | 5.22 | 120.36 | 111.23 |
| 30 | B | 805 | CLA | CHD-C4C-C3C | -5.22 | 117.16 | 124.77 |
| 30 | 8 | 301 | CLA | CMD-C2D-C1D | 5.22 | 133.92 | 124.73 |
| 38 | 6 | 313 | KC1 | C1A-C2A-C3A | -5.22 | 102.48 | 107.28 |
| 30 | B | 807 | CLA | C2C-C1C-NC | 5.22 | 115.46 | 109.98 |
| 30 | 8 | 309 | CLA | CHD-C4C-C3C | -5.22 | 117.17 | 124.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 14 | 301 | A86 | O4-C38-C39 | 5.22 | 120.39 | 111.09 |
| 38 | 13 | 306 | KC1 | O2D-CGD-CBD | 5.22 | 120.35 | 111.23 |
| 39 | 7 | 302 | DD6 | O1-C15-C14 | -5.22 | 101.94 | 116.88 |
| 39 | 7 | 314 | DD6 | C-C1-C24 | -5.21 | 110.12 | 118.09 |
| 30 | 14 | 309 | CLA | CHD-C4C-C3C | -5.21 | 117.17 | 124.77 |
| 39 | 7 | 314 | DD6 | C24-C1-C2 | -5.21 | 110.81 | 119.01 |
| 30 | 14 | 309 | CLA | C2C-C1C-NC | 5.21 | 115.45 | 109.98 |
| 30 | 15 | 303 | CLA | C2C-C1C-NC | 5.21 | 115.45 | 109.98 |
| 38 | 5 | 310 | KC1 | CMD-C2D-C1D | 5.21 | 136.09 | 128.46 |
| 30 | A | 831 | CLA | C2C-C1C-NC | 5.21 | 115.45 | 109.98 |
| 38 | 8 | 313 | KC1 | CHD-C4C-C3C | -5.21 | 115.62 | 125.23 |
| 30 | B | 815 | CLA | C2C-C1C-NC | 5.21 | 115.45 | 109.98 |
| 30 | A | 836 | CLA | CHD-C4C-C3C | -5.21 | 117.18 | 124.77 |
| 29 | A | 801 | CL0 | O2D-CGD-CBD | 5.21 | 120.33 | 111.23 |
| 30 | B | 836 | CLA | C2C-C1C-NC | 5.21 | 115.45 | 109.98 |
| 38 | 5 | 305 | KC1 | C2B-C1B-NB | 5.20 | 115.28 | 110.13 |
| 37 | 4 | 315 | A86 | C40-C32-C31 | -5.20 | 105.82 | 110.47 |
| 30 | 6 | 310 | CLA | CHD-C4C-C3C | -5.20 | 117.19 | 124.77 |
| 30 | 3 | 310 | CLA | C2C-C1C-NC | 5.20 | 115.45 | 109.98 |
| 37 | 9 | 316 | A86 | O4-C38-C39 | 5.20 | 120.36 | 111.09 |
| 30 | 13 | 304 | CLA | C2C-C1C-NC | 5.20 | 115.44 | 109.98 |
| 37 | 2u | 205 | A86 | C-C1-C2 | -5.20 | 114.39 | 122.82 |
| 38 | 16 | 304 | KC1 | O2D-CGD-CBD | 5.20 | 120.32 | 111.23 |
| 30 | 6 | 315 | CLA | O2D-CGD-CBD | 5.20 | 120.32 | 111.23 |
| 39 | 5 | 314 | DD6 | C-C1-C24 | -5.20 | 110.15 | 118.09 |
| 30 | B | 811 | CLA | O2D-CGD-CBD | 5.20 | 120.32 | 111.23 |
| 38 | 14 | 311 | KC1 | C2B-C1B-NB | 5.20 | 115.27 | 110.13 |
| 38 | 14 | 311 | KC1 | CHD-C4C-C3C | -5.20 | 115.65 | 125.23 |
| 38 | 7 | 308 | KC1 | C2B-C1B-NB | 5.19 | 115.27 | 110.13 |
| 38 | 10 | 306 | KC1 | C2B-C1B-NB | 5.19 | 115.27 | 110.13 |
| 37 | 15 | 320 | A86 | C3-C4-C5 | -5.19 | 112.90 | 123.52 |
| 30 | A | 831 | CLA | CHD-C4C-C3C | -5.19 | 117.20 | 124.77 |
| 30 | 4 | 305 | CLA | O2D-CGD-CBD | 5.19 | 120.30 | 111.23 |
| 30 | A | 815 | CLA | C2C-C1C-NC | 5.19 | 115.43 | 109.98 |
| 38 | 6 | 308 | KC1 | CHD-C4C-C3C | -5.19 | 115.66 | 125.23 |
| 30 | A | 820 | CLA | C4A-NA-C1A | -5.18 | 104.31 | 106.68 |
| 37 | 16 | 314 | A86 | O4-C38-C39 | 5.18 | 120.33 | 111.09 |
| 37 | 4 | 315 | A86 | C4-C5-C6 | -5.18 | 120.01 | 127.28 |
| 30 | A | 814 | CLA | O2D-CGD-CBD | 5.18 | 120.29 | 111.23 |
| 30 | B | 824 | CLA | C4A-NA-C1A | -5.18 | 104.31 | 106.68 |
| 38 | 8 | 307 | KC1 | O2D-CGD-CBD | 5.18 | 120.29 | 111.23 |
| 38 | 2 | 312 | KC1 | C3C-C4C-NC | 5.18 | 115.45 | 109.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 303 | CLA | CHD-C4C-C3C | -5.18 | 117.22 | 124.77 |
| 37 | 7 | 319 | A86 | O4-C38-C39 | 5.18 | 120.32 | 111.09 |
| 39 | 3 | 313 | DD6 | C-C1-C24 | -5.18 | 110.18 | 118.09 |
| 30 | 5 | 304 | CLA | O2D-CGD-CBD | 5.18 | 120.28 | 111.23 |
| 38 | 9 | 312 | KC1 | C3A-C4A-NA | 5.17 | 116.86 | 110.45 |
| 37 | 1 | 309 | A86 | C41-C32-C31 | -5.17 | 105.84 | 110.47 |
| 38 | 6 | 313 | KC1 | C2B-C1B-NB | 5.17 | 115.25 | 110.13 |
| 39 | 7 | 317 | DD6 | C-C1-C24 | -5.17 | 110.18 | 118.09 |
| 30 | 9 | 302 | CLA | C2C-C1C-NC | 5.17 | 115.42 | 109.98 |
| 37 | 3 | 315 | A86 | O4-C38-C39 | 5.17 | 120.31 | 111.09 |
| 39 | 11 | 313 | DD6 | C21-C20-C15 | -5.17 | 113.79 | 122.30 |
| 30 | 6 | 307 | CLA | CHD-C4C-C3C | -5.17 | 117.23 | 124.77 |
| 38 | 8 | 310 | KC1 | CMD-C2D-C1D | 5.17 | 136.03 | 128.46 |
| 39 | 16 | 313 | DD6 | C12-C11-C13 | -5.17 | 110.19 | 118.09 |
| 30 | 16 | 305 | CLA | O2D-CGD-CBD | 5.17 | 120.27 | 111.23 |
| 30 | B | 824 | CLA | C2D-C1D-ND | 5.16 | 115.23 | 110.13 |
| 30 | 16 | 307 | CLA | O2D-CGD-CBD | 5.16 | 120.25 | 111.23 |
| 38 | 10 | 310 | KC1 | O2D-CGD-CBD | 5.16 | 120.25 | 111.23 |
| 37 | 10 | 316 | A86 | C25-C26-C27 | -5.16 | 120.05 | 127.28 |
| 30 | 15 | 314 | CLA | C2C-C1C-NC | 5.16 | 115.40 | 109.98 |
| 39 | 6 | 303 | DD6 | C21-C20-C19 | -5.15 | 108.45 | 114.24 |
| 30 | L | 202 | CLA | C3D-C2D-C1D | -5.15 | 98.80 | 105.83 |
| 38 | 3 | 308 | KC1 | C2B-C1B-NB | 5.15 | 115.23 | 110.13 |
| 37 | 14 | 317 | A86 | O4-C38-C39 | 5.15 | 120.28 | 111.09 |
| 30 | 6 | 310 | CLA | C2C-C1C-NC | 5.15 | 115.39 | 109.98 |
| 30 | F | 202 | CLA | C3D-C2D-C1D | -5.15 | 98.80 | 105.83 |
| 38 | 14 | 311 | KC1 | C3C-C4C-NC | 5.15 | 115.42 | 109.90 |
| 30 | 14 | 307 | CLA | C4A-NA-C1A | -5.15 | 104.33 | 106.68 |
| 30 | 3 | 306 | CLA | C4A-NA-C1A | -5.14 | 104.33 | 106.68 |
| 30 | 12 | 306 | CLA | C2C-C1C-NC | 5.14 | 115.39 | 109.98 |
| 38 | 8 | 310 | KC1 | O2D-CGD-CBD | 5.14 | 120.22 | 111.23 |
| 30 | 3 | 301 | CLA | O2D-CGD-CBD | 5.14 | 120.22 | 111.23 |
| 39 | 10 | 314 | DD6 | C7-C6-C8 | -5.14 | 110.24 | 118.09 |
| 39 | 5 | 314 | DD6 | C21-C20-C19 | -5.14 | 108.47 | 114.24 |
| 30 | 9 | 308 | CLA | CAA-C2A-C3A | -5.13 | 99.12 | 113.00 |
| 38 | 10 | 312 | KC1 | C1A-NA-C4A | -5.13 | 104.34 | 106.68 |
| 30 | 11 | 310 | CLA | CHD-C4C-C3C | -5.13 | 117.29 | 124.77 |
| 39 | 6 | 319 | DD6 | C24-C1-C2 | -5.13 | 110.94 | 119.01 |
| 30 | A | 812 | CLA | C2C-C1C-NC | 5.13 | 115.37 | 109.98 |
| 30 | B | 828 | CLA | C2C-C1C-NC | 5.13 | 115.37 | 109.98 |
| 30 | 15 | 304 | CLA | C2C-C1C-NC | 5.13 | 115.37 | 109.98 |
| 38 | 13 | 305 | KC1 | C1A-C2A-C3A | -5.13 | 102.56 | 107.28 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 821 | CLA | O2D-CGD-CBD | 5.13 | 120.19 | 111.23 |
| 39 | 6 | 321 | DD6 | O1-C15-C14 | -5.13 | 102.19 | 116.88 |
| 29 | A | 801 | CL0 | CMD-C2D-C1D | 5.13 | 133.76 | 124.73 |
| 30 | 16 | 306 | CLA | C2D-C1D-ND | 5.13 | 115.20 | 110.13 |
| 37 | 9 | 315 | A86 | C4-C3-C2 | -5.12 | 113.04 | 123.52 |
| 30 | B | 815 | CLA | CHD-C4C-C3C | -5.12 | 117.30 | 124.77 |
| 37 | 10 | 316 | A86 | O4-C38-C39 | 5.12 | 120.22 | 111.09 |
| 30 | 8 | 304 | CLA | CMD-C2D-C1D | 5.12 | 133.75 | 124.73 |
| 38 | 8 | 312 | KC1 | C3C-C4C-NC | 5.12 | 115.39 | 109.90 |
| 38 | 9 | 312 | KC1 | C2B-C1B-NB | 5.12 | 115.19 | 110.13 |
| 30 | 16 | 306 | CLA | O2D-CGD-CBD | 5.12 | 120.18 | 111.23 |
| 37 | 2u | 203 | A86 | C25-C26-C27 | -5.12 | 120.10 | 127.28 |
| 30 | 16 | 305 | CLA | C2C-C1C-NC | 5.12 | 115.36 | 109.98 |
| 30 | 16 | 309 | CLA | C2C-C1C-NC | 5.12 | 115.36 | 109.98 |
| 37 | 2 | 318 | A86 | O4-C38-C39 | 5.12 | 120.21 | 111.09 |
| 30 | B | 825 | CLA | C3D-C2D-C1D | -5.12 | 98.85 | 105.83 |
| 30 | B | 801 | CLA | O2D-CGD-CBD | 5.12 | 120.17 | 111.23 |
| 30 | A | 815 | CLA | CHD-C4C-C3C | -5.12 | 117.31 | 124.77 |
| 37 | 2 | 319 | A86 | O4-C38-C39 | 5.12 | 120.21 | 111.09 |
| 37 | 14 | 315 | A86 | O4-C38-C39 | 5.12 | 120.21 | 111.09 |
| 37 | 15 | 322 | A86 | O4-C38-C39 | 5.11 | 120.21 | 111.09 |
| 30 | A | 820 | CLA | CHD-C4C-C3C | -5.11 | 117.32 | 124.77 |
| 37 | 11 | 314 | A86 | C41-C32-C31 | -5.11 | 105.90 | 110.47 |
| 30 | B | 824 | CLA | CHD-C4C-C3C | -5.11 | 117.32 | 124.77 |
| 30 | 6 | 314 | CLA | C4A-NA-C1A | -5.11 | 104.35 | 106.68 |
| 38 | 11 | 305 | KC1 | C2B-C1B-NB | 5.11 | 115.18 | 110.13 |
| 30 | 12 | 303 | CLA | C2C-C1C-NC | 5.11 | 115.35 | 109.98 |
| 37 | 11 | 314 | A86 | O4-C38-C39 | 5.11 | 120.19 | 111.09 |
| 30 | A | 802 | CLA | C2C-C1C-NC | 5.11 | 115.34 | 109.98 |
| 39 | 6 | 318 | DD6 | C13-C11-C10 | -5.10 | 110.98 | 119.01 |
| 30 | 5 | 311 | CLA | C2C-C1C-NC | 5.10 | 115.34 | 109.98 |
| 37 | 10 | 302 | A86 | C36-C31-C32 | -5.10 | 114.63 | 119.70 |
| 30 | 11 | 306 | CLA | O2D-CGD-CBD | 5.10 | 120.15 | 111.23 |
| 37 | 12 | 316 | A86 | C3-C2-C1 | -5.10 | 120.12 | 127.28 |
| 30 | 16 | 302 | CLA | C4A-NA-C1A | -5.10 | 104.35 | 106.68 |
| 38 | 14 | 306 | KC1 | C1A-NA-C4A | -5.10 | 104.35 | 106.68 |
| 38 | 1 | 306 | KC1 | CMD-C2D-C1D | 5.10 | 135.93 | 128.46 |
| 30 | A | 840 | CLA | C4A-NA-C1A | -5.10 | 104.35 | 106.68 |
| 39 | 6 | 318 | DD6 | C21-C20-C15 | -5.10 | 113.92 | 122.30 |
| 30 | 1 | 307 | CLA | C2C-C1C-NC | 5.10 | 115.33 | 109.98 |
| 39 | 6 | 318 | DD6 | C24-C1-C2 | -5.10 | 110.99 | 119.01 |
| 30 | A | 840 | CLA | C3D-C2D-C1D | -5.09 | 98.88 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 9 | 309 | CLA | C2C-C1C-NC | 5.09 | 115.33 | 109.98 |
| 30 | 11 | 309 | CLA | CHD-C4C-C3C | -5.09 | 117.35 | 124.77 |
| 30 | A | 820 | CLA | C2D-C1D-ND | 5.09 | 115.16 | 110.13 |
| 30 | 4 | 301 | CLA | C3D-C2D-C1D | -5.09 | 98.89 | 105.83 |
| 37 | 2 | 318 | A86 | C3-C2-C1 | -5.09 | 120.15 | 127.28 |
| 30 | 12 | 321 | CLA | C4A-NA-C1A | -5.09 | 104.36 | 106.68 |
| 38 | 13 | 310 | KC1 | CMD-C2D-C1D | 5.09 | 135.91 | 128.46 |
| 39 | 6 | 321 | DD6 | C-C1-C24 | -5.09 | 110.32 | 118.09 |
| 30 | 9 | 301 | CLA | C3D-C2D-C1D | -5.08 | 98.89 | 105.83 |
| 30 | B | 817 | CLA | O2D-CGD-CBD | 5.08 | 120.11 | 111.23 |
| 37 | 6 | 320 | A86 | C4-C3-C2 | -5.08 | 113.13 | 123.52 |
| 37 | 14 | 314 | A86 | O4-C38-C39 | 5.07 | 120.14 | 111.09 |
| 30 | 2 | 307 | CLA | CMD-C2D-C1D | 5.07 | 133.66 | 124.73 |
| 37 | 15 | 316 | A86 | O4-C38-C39 | 5.07 | 120.14 | 111.09 |
| 38 | 13 | 310 | KC1 | O2D-CGD-CBD | 5.07 | 120.10 | 111.23 |
| 37 | 4 | 317 | A86 | O4-C38-C39 | 5.07 | 120.13 | 111.09 |
| 30 | 15 | 311 | CLA | C2C-C1C-NC | 5.07 | 115.31 | 109.98 |
| 30 | B | 803 | CLA | C3D-C2D-C1D | -5.07 | 98.91 | 105.83 |
| 38 | 11 | 307 | KC1 | O2D-CGD-CBD | 5.07 | 120.09 | 111.23 |
| 38 | 12 | 305 | KC1 | O2D-CGD-CBD | 5.07 | 120.09 | 111.23 |
| 38 | 8 | 310 | KC1 | C3C-C4C-NC | 5.07 | 115.33 | 109.90 |
| 30 | 2 | 305 | CLA | CAA-C2A-C3A | -5.07 | 99.31 | 113.00 |
| 30 | B | 807 | CLA | O2D-CGD-CBD | 5.06 | 120.08 | 111.23 |
| 30 | 15 | 303 | CLA | C4A-NA-C1A | -5.06 | 104.37 | 106.68 |
| 39 | 2 | 315 | DD6 | C24-C1-C2 | -5.06 | 111.05 | 119.01 |
| 30 | 15 | 312 | CLA | C2D-C1D-ND | 5.06 | 115.13 | 110.13 |
| 39 | 12 | 317 | DD6 | C7-C6-C8 | -5.06 | 110.36 | 118.09 |
| 37 | 10 | 316 | A86 | C4-C3-C2 | -5.06 | 113.17 | 123.52 |
| 38 | 1 | 306 | KC1 | O2D-CGD-CBD | 5.06 | 120.07 | 111.23 |
| 38 | 11 | 311 | KC1 | O2D-CGD-CBD | 5.05 | 120.06 | 111.23 |
| 30 | 10 | 304 | CLA | C2C-C1C-NC | 5.05 | 115.29 | 109.98 |
| 37 | 5 | 301 | A86 | O4-C38-C39 | 5.05 | 120.10 | 111.09 |
| 30 | 12 | 302 | CLA | C2C-C1C-NC | 5.05 | 115.29 | 109.98 |
| 30 | A | 840 | CLA | C2C-C1C-NC | 5.05 | 115.29 | 109.98 |
| 39 | 6 | 319 | DD6 | C-C1-C24 | -5.05 | 110.37 | 118.09 |
| 37 | 4 | 315 | A86 | O4-C38-C39 | 5.05 | 120.09 | 111.09 |
| 37 | 6 | 320 | A86 | O4-C38-C39 | 5.05 | 120.09 | 111.09 |
| 30 | A | 829 | CLA | C3D-C2D-C1D | -5.05 | 98.94 | 105.83 |
| 30 | J | 101 | CLA | C2C-C1C-NC | 5.05 | 115.28 | 109.98 |
| 30 | 16 | 308 | CLA | C2C-C1C-NC | 5.05 | 115.28 | 109.98 |
| 30 | 7 | 304 | CLA | C4A-NA-C1A | -5.05 | 104.38 | 106.68 |
| 30 | 12 | 310 | CLA | O2D-CGD-CBD | 5.05 | 120.05 | 111.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 812 | CLA | C2C-C1C-NC | 5.04 | 115.28 | 109.98 |
| 30 | 4 | 304 | CLA | O2D-CGD-CBD | 5.04 | 120.05 | 111.23 |
| 30 | A | 822 | CLA | C2D-C1D-ND | 5.04 | 115.12 | 110.13 |
| 37 | 15 | 315 | A86 | O4-C38-C39 | 5.04 | 120.08 | 111.09 |
| 30 | A | 810 | CLA | C2C-C1C-NC | 5.04 | 115.28 | 109.98 |
| 37 | 5 | 315 | A86 | O4-C38-C39 | 5.04 | 120.08 | 111.09 |
| 30 | 16 | 308 | CLA | O2D-CGD-CBD | 5.04 | 120.04 | 111.23 |
| 30 | B | 802 | CLA | CAA-C2A-C3A | -5.04 | 99.39 | 113.00 |
| 37 | 7 | 316 | A86 | C3-C2-C1 | -5.04 | 120.22 | 127.28 |
| 37 | 16 | 312 | A86 | C36-C31-C32 | -5.04 | 114.70 | 119.70 |
| 38 | 1 | 306 | KC1 | C3B-C2B-C1B | -5.03 | 102.28 | 107.05 |
| 38 | 10 | 310 | KC1 | CMD-C2D-C1D | 5.03 | 135.83 | 128.46 |
| 38 | 11 | 312 | KC1 | C2B-C1B-NB | 5.03 | 115.10 | 110.13 |
| 30 | 14 | 303 | CLA | O2D-CGD-CBD | 5.03 | 120.02 | 111.23 |
| 39 | 12 | 315 | DD6 | C24-C1-C2 | -5.03 | 111.10 | 119.01 |
| 38 | 13 | 312 | KC1 | O2D-CGD-CBD | 5.03 | 120.02 | 111.23 |
| 39 | 6 | 319 | DD6 | C21-C20-C19 | -5.03 | 108.59 | 114.24 |
| 30 | A | 823 | CLA | C3D-C2D-C1D | -5.02 | 98.97 | 105.83 |
| 30 | A | 814 | CLA | CAC-C3C-C4C | 5.02 | 131.33 | 124.79 |
| 30 | 6 | 314 | CLA | C2C-C1C-NC | 5.02 | 115.26 | 109.98 |
| 30 | B | 808 | CLA | C2C-C1C-NC | 5.02 | 115.26 | 109.98 |
| 30 | J | 101 | CLA | C2D-C1D-ND | 5.02 | 115.10 | 110.13 |
| 30 | 14 | 307 | CLA | CAC-C3C-C4C | 5.02 | 131.32 | 124.79 |
| 30 | A | 820 | CLA | C2C-C1C-NC | 5.02 | 115.26 | 109.98 |
| 30 | 2 | 307 | CLA | C2C-C1C-NC | 5.02 | 115.26 | 109.98 |
| 30 | B | 822 | CLA | CHD-C4C-C3C | -5.02 | 117.45 | 124.77 |
| 37 | 2 | 318 | A86 | C4-C5-C6 | -5.02 | 120.24 | 127.28 |
| 30 | 9 | 301 | CLA | CHD-C4C-C3C | -5.02 | 117.46 | 124.77 |
| 39 | 10 | 314 | DD6 | C12-C11-C13 | -5.02 | 110.42 | 118.09 |
| 37 | 6 | 320 | A86 | O1-C20-C15 | 5.02 | 61.24 | 59.23 |
| 38 | 14 | 306 | KC1 | C3B-C2B-C1B | -5.01 | 102.30 | 107.05 |
| 38 | 5 | 306 | KC1 | O2D-CGD-CBD | 5.01 | 119.99 | 111.23 |
| 39 | 12 | 315 | DD6 | C21-C20-C19 | -5.01 | 108.61 | 114.24 |
| 30 | 12 | 304 | CLA | C4A-NA-C1A | -5.01 | 104.39 | 106.68 |
| 30 | A | 825 | CLA | C2C-C1C-NC | 5.01 | 115.24 | 109.98 |
| 30 | 3 | 307 | CLA | CHD-C4C-C3C | -5.01 | 117.47 | 124.77 |
| 38 | 3 | 308 | KC1 | C1A-C2A-C3A | -5.01 | 102.68 | 107.28 |
| 37 | 11 | 301 | A86 | O4-C38-C39 | 5.01 | 120.02 | 111.09 |
| 38 | 4 | 308 | KC1 | CHC-C1C-C2C | -5.01 | 117.13 | 125.03 |
| 39 | 2 | 316 | DD6 | C7-C6-C8 | -5.00 | 110.45 | 118.09 |
| 30 | B | 811 | CLA | C2D-C1D-ND | 5.00 | 115.07 | 110.13 |
| 38 | 13 | 305 | KC1 | C3C-C4C-NC | 5.00 | 115.26 | 109.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 831 | CLA | CMD-C2D-C1D | 5.00 | 133.53 | 124.73 |
| 30 | B | 805 | CLA | C2C-C1C-NC | 5.00 | 115.23 | 109.98 |
| 37 | 8 | 318 | A86 | O4-C38-C39 | 4.99 | 120.00 | 111.09 |
| 39 | 4 | 316 | DD6 | C21-C20-C19 | -4.99 | 108.63 | 114.24 |
| 37 | 4 | 317 | A86 | C41-C32-C31 | -4.99 | 106.01 | 110.47 |
| 38 | 10 | 306 | KC1 | C3C-C4C-NC | 4.99 | 115.25 | 109.90 |
| 38 | 4 | 308 | KC1 | C1A-C2A-C3A | -4.99 | 102.69 | 107.28 |
| 30 | 2 | 301 | CLA | CHD-C4C-C3C | -4.99 | 117.50 | 124.77 |
| 39 | 15 | 318 | DD6 | C35-C36-C31 | -4.99 | 110.12 | 120.50 |
| 30 | B | 828 | CLA | CHD-C4C-C3C | -4.99 | 117.50 | 124.77 |
| 39 | 3 | 312 | DD6 | C7-C6-C8 | -4.99 | 110.47 | 118.09 |
| 38 | 1 | 306 | KC1 | C1A-NA-C4A | -4.99 | 104.40 | 106.68 |
| 30 | 16 | 301 | CLA | C3D-C2D-C1D | -4.99 | 99.03 | 105.83 |
| 37 | 3 | 315 | A86 | C4-C5-C6 | -4.98 | 120.29 | 127.28 |
| 30 | B | 807 | CLA | C3D-C2D-C1D | -4.98 | 99.03 | 105.83 |
| 30 | 7 | 307 | CLA | C3D-C2D-C1D | -4.98 | 99.03 | 105.83 |
| 37 | 15 | 317 | A86 | O4-C38-C39 | 4.98 | 119.97 | 111.09 |
| 38 | 16 | 304 | KC1 | CMA-C3A-C2A | -4.98 | 116.37 | 128.43 |
| 30 | B | 821 | CLA | C2C-C1C-NC | 4.98 | 115.21 | 109.98 |
| 38 | 4 | 307 | KC1 | CMD-C2D-C1D | 4.98 | 135.75 | 128.46 |
| 38 | 14 | 306 | KC1 | C3C-C4C-NC | 4.98 | 115.23 | 109.90 |
| 30 | 4 | 301 | CLA | O2D-CGD-CBD | 4.98 | 119.93 | 111.23 |
| 30 | 7 | 310 | CLA | C4A-NA-C1A | -4.98 | 104.41 | 106.68 |
| 38 | 2 | 312 | KC1 | CMD-C2D-C1D | 4.97 | 135.74 | 128.46 |
| 30 | J | 101 | CLA | C4A-NA-C1A | -4.97 | 104.41 | 106.68 |
| 30 | 8 | 309 | CLA | C2C-C1C-NC | 4.97 | 115.20 | 109.98 |
| 30 | 3 | 302 | CLA | C4A-NA-C1A | -4.97 | 104.41 | 106.68 |
| 39 | 4 | 313 | DD6 | C24-C1-C2 | -4.97 | 111.20 | 119.01 |
| 30 | 3 | 301 | CLA | C2C-C1C-NC | 4.97 | 115.20 | 109.98 |
| 39 | 7 | 317 | DD6 | C21-C20-C15 | -4.97 | 114.13 | 122.30 |
| 39 | 8 | 317 | DD6 | O1-C20-C21 | -4.97 | 109.50 | 115.05 |
| 37 | 14 | 318 | A86 | C41-C32-C31 | -4.96 | 106.03 | 110.47 |
| 30 | A | 837 | CLA | C2C-C1C-NC | 4.96 | 115.20 | 109.98 |
| 30 | 14 | 309 | CLA | O2D-CGD-CBD | 4.96 | 119.91 | 111.23 |
| 30 | 12 | 308 | CLA | C2C-C1C-NC | 4.96 | 115.19 | 109.98 |
| 38 | 13 | 310 | KC1 | CHD-C4C-C3C | -4.96 | 116.08 | 125.23 |
| 30 | 14 | 304 | CLA | O2D-CGD-CBD | 4.96 | 119.90 | 111.23 |
| 30 | B | 826 | CLA | C2C-C1C-NC | 4.96 | 115.19 | 109.98 |
| 30 | 8 | 302 | CLA | C3D-C2D-C1D | -4.96 | 99.06 | 105.83 |
| 30 | 15 | 308 | CLA | O2D-CGD-CBD | 4.96 | 119.90 | 111.23 |
| 39 | 15 | 318 | DD6 | C7-C6-C8 | -4.96 | 110.51 | 118.09 |
| 30 | A | 839 | CLA | C4A-NA-C1A | -4.95 | 104.42 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 6 | 307 | CLA | C4A-NA-C1A | -4.95 | 104.42 | 106.68 |
| 30 | 7 | 304 | CLA | C2C-C1C-NC | 4.95 | 115.18 | 109.98 |
| 39 | 11 | 313 | DD6 | C7-C6-C8 | -4.95 | 110.53 | 118.09 |
| 30 | 12 | 303 | CLA | C4A-NA-C1A | -4.95 | 104.42 | 106.68 |
| 30 | B | 834 | CLA | C3D-C2D-C1D | -4.95 | 99.08 | 105.83 |
| 30 | 10 | 304 | CLA | C4A-NA-C1A | -4.95 | 104.42 | 106.68 |
| 38 | 16 | 311 | KC1 | O2D-CGD-CBD | 4.94 | 119.87 | 111.23 |
| 30 | A | 843 | CLA | C2C-C1C-NC | 4.94 | 115.17 | 109.98 |
| 38 | 9 | 310 | KC1 | C1A-NA-C4A | -4.94 | 104.42 | 106.68 |
| 38 | 8 | 311 | KC1 | C3C-C4C-NC | 4.94 | 115.19 | 109.90 |
| 30 | 14 | 310 | CLA | C2C-C1C-NC | 4.94 | 115.17 | 109.98 |
| 30 | 16 | 303 | CLA | C3D-C2D-C1D | -4.94 | 99.09 | 105.83 |
| 37 | 2u | 205 | A86 | C25-C24-C1 | -4.94 | 112.82 | 126.36 |
| 37 | 6 | 320 | A86 | C21-C20-C15 | -4.94 | 107.41 | 123.35 |
| 37 | 13 | 315 | A86 | C25-C26-C27 | -4.94 | 120.35 | 127.28 |
| 38 | 8 | 314 | KC1 | C3C-C4C-NC | 4.94 | 115.19 | 109.90 |
| 30 | B | 822 | CLA | C4A-NA-C1A | -4.94 | 104.43 | 106.68 |
| 30 | A | 835 | CLA | C2C-C1C-NC | 4.94 | 115.17 | 109.98 |
| 38 | 16 | 311 | KC1 | C3C-C4C-NC | 4.93 | 115.19 | 109.90 |
| 37 | 4 | 312 | A86 | C41-C32-C31 | -4.93 | 106.06 | 110.47 |
| 30 | 5 | 307 | CLA | C3D-C2D-C1D | -4.93 | 99.10 | 105.83 |
| 37 | 16 | 312 | A86 | C9-C10-C11 | -4.93 | 112.70 | 126.64 |
| 30 | A | 838 | CLA | C2C-C1C-NC | 4.93 | 115.16 | 109.98 |
| 30 | A | 819 | CLA | C3D-C2D-C1D | -4.93 | 99.10 | 105.83 |
| 37 | 9 | 315 | A86 | O4-C38-C39 | 4.93 | 119.88 | 111.09 |
| 37 | 9 | 313 | A86 | C3-C2-C1 | -4.93 | 120.36 | 127.28 |
| 37 | 14 | 316 | A86 | O4-C38-C39 | 4.93 | 119.87 | 111.09 |
| 30 | 6 | 304 | CLA | C4A-NA-C1A | -4.93 | 104.43 | 106.68 |
| 38 | 13 | 306 | KC1 | CHD-C4C-C3C | -4.92 | 116.15 | 125.23 |
| 37 | 15 | 315 | A86 | C4-C3-C2 | 4.92 | 133.59 | 123.52 |
| 30 | A | 824 | CLA | O2D-CGD-CBD | 4.92 | 119.83 | 111.23 |
| 30 | 6 | 315 | CLA | C2C-C1C-NC | 4.92 | 115.15 | 109.98 |
| 30 | 7 | 306 | CLA | O2D-CGD-CBD | 4.92 | 119.83 | 111.23 |
| 38 | 8 | 314 | KC1 | CHD-C4C-C3C | -4.92 | 116.16 | 125.23 |
| 30 | A | 818 | CLA | C3D-C2D-C1D | -4.92 | 99.12 | 105.83 |
| 30 | B | 814 | CLA | C2C-C1C-NC | 4.92 | 115.15 | 109.98 |
| 30 | 15 | 305 | CLA | C2C-C1C-NC | 4.92 | 115.15 | 109.98 |
| 30 | B | 833 | CLA | O2D-CGD-CBD | 4.92 | 119.83 | 111.23 |
| 37 | 4 | 314 | A86 | C7-C6-C8 | 4.92 | 125.60 | 118.09 |
| 38 | 13 | 311 | KC1 | C3B-C2B-C1B | -4.91 | 102.40 | 107.05 |
| 30 | A | 825 | CLA | CHD-C4C-C3C | -4.91 | 117.61 | 124.77 |
| 38 | 4 | 308 | KC1 | O2D-CGD-CBD | 4.91 | 119.81 | 111.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 838 | CLA | C3D-C2D-C1D | -4.91 | 99.13 | 105.83 |
| 37 | 14 | 318 | A86 | O4-C38-C39 | 4.91 | 119.84 | 111.09 |
| 39 | 6 | 318 | DD6 | O1-C15-C14 | -4.90 | 102.83 | 116.88 |
| 30 | 16 | 307 | CLA | C2C-C1C-NC | 4.90 | 115.13 | 109.98 |
| 30 | A | 809 | CLA | C3D-C2D-C1D | -4.90 | 99.14 | 105.83 |
| 37 | 14 | 301 | A86 | C41-C32-C31 | -4.90 | 106.08 | 110.47 |
| 38 | 9 | 311 | KC1 | CMD-C2D-C1D | 4.90 | 135.64 | 128.46 |
| 30 | 12 | 303 | CLA | C3D-C2D-C1D | -4.90 | 99.14 | 105.83 |
| 30 | A | 813 | CLA | C2C-C1C-NC | 4.90 | 115.13 | 109.98 |
| 30 | B | 838 | CLA | O2D-CGD-CBD | 4.90 | 119.80 | 111.23 |
| 39 | 16 | 313 | DD6 | C21-C20-C19 | -4.90 | 108.74 | 114.24 |
| 38 | 1 | 308 | KC1 | O2D-CGD-CBD | 4.90 | 119.79 | 111.23 |
| 37 | 2 | 319 | A86 | C3-C2-C1 | -4.90 | 120.41 | 127.28 |
| 30 | 15 | 312 | CLA | C2C-C1C-NC | 4.90 | 115.13 | 109.98 |
| 39 | 6 | 319 | DD6 | C21-C20-C15 | -4.90 | 114.24 | 122.30 |
| 30 | 2 | 310 | CLA | O2D-CGD-CBD | 4.90 | 119.79 | 111.23 |
| 30 | 16 | 310 | CLA | C2C-C1C-NC | 4.89 | 115.12 | 109.98 |
| 38 | 8 | 310 | KC1 | C2B-C1B-NB | 4.89 | 114.97 | 110.13 |
| 38 | 6 | 311 | KC1 | CMD-C2D-C1D | 4.89 | 135.62 | 128.46 |
| 37 | 11 | 301 | A86 | C25-C26-C27 | -4.89 | 120.42 | 127.28 |
| 30 | 14 | 305 | CLA | C2C-C1C-NC | 4.89 | 115.12 | 109.98 |
| 30 | 9 | 308 | CLA | C4A-NA-C1A | -4.89 | 104.45 | 106.68 |
| 30 | B | 821 | CLA | C2D-C1D-ND | 4.89 | 114.97 | 110.13 |
| 38 | 6 | 313 | KC1 | CHD-C4C-C3C | -4.89 | 116.21 | 125.23 |
| 37 | 1 | 309 | A86 | O4-C38-C39 | 4.89 | 119.81 | 111.09 |
| 38 | 6 | 308 | KC1 | O2D-CGD-CBD | 4.89 | 119.77 | 111.23 |
| 38 | 5 | 310 | KC1 | C1A-NA-C4A | -4.88 | 104.45 | 106.68 |
| 30 | 14 | 307 | CLA | C2C-C1C-NC | 4.88 | 115.11 | 109.98 |
| 30 | B | 835 | CLA | C3D-C2D-C1D | -4.88 | 99.17 | 105.83 |
| 38 | 7 | 308 | KC1 | CHD-C4C-C3C | -4.88 | 116.23 | 125.23 |
| 30 | A | 807 | CLA | C3D-C2D-C1D | -4.88 | 99.17 | 105.83 |
| 30 | 12 | 312 | CLA | C2C-C1C-NC | 4.88 | 115.11 | 109.98 |
| 30 | 3 | 305 | CLA | C3D-C2D-C1D | -4.88 | 99.17 | 105.83 |
| 30 | 2 | 310 | CLA | C2C-C1C-NC | 4.88 | 115.11 | 109.98 |
| 38 | 5 | 306 | KC1 | C1A-NA-C4A | -4.88 | 104.45 | 106.68 |
| 38 | 8 | 312 | KC1 | C2A-C1A-NA | 4.88 | 117.15 | 109.34 |
| 30 | A | 808 | CLA | C3D-C2D-C1D | -4.88 | 99.18 | 105.83 |
| 37 | 14 | 316 | A86 | C3-C2-C1 | -4.88 | 120.44 | 127.28 |
| 38 | 6 | 311 | KC1 | C3C-C4C-NC | 4.87 | 115.12 | 109.90 |
| 37 | 13 | 315 | A86 | C41-C32-C31 | -4.87 | 106.11 | 110.47 |
| 38 | 2 | 314 | KC1 | C3C-C4C-NC | 4.87 | 115.12 | 109.90 |
| 30 | B | 822 | CLA | C3D-C4D-ND | 4.87 | 117.91 | 109.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 8 | 304 | CLA | O2D-CGD-CBD | 4.87 | 119.74 | 111.23 |
| 30 | 9 | 307 | CLA | C3D-C2D-C1D | -4.87 | 99.19 | 105.83 |
| 30 | B | 830 | CLA | CHD-C1D-ND | -4.87 | 117.95 | 124.80 |
| 37 | 10 | 315 | A86 | O4-C38-C39 | 4.87 | 119.77 | 111.09 |
| 37 | 15 | 322 | A86 | C36-C31-C32 | -4.87 | 114.87 | 119.70 |
| 30 | 10 | 305 | CLA | C2C-C1C-NC | 4.87 | 115.09 | 109.98 |
| 30 | 4 | 309 | CLA | C2C-C1C-NC | 4.86 | 115.09 | 109.98 |
| 39 | 3 | 312 | DD6 | C12-C11-C13 | -4.86 | 110.66 | 118.09 |
| 38 | 7 | 308 | KC1 | C3C-C4C-NC | 4.86 | 115.11 | 109.90 |
| 39 | 12 | 317 | DD6 | C35-C36-C31 | -4.86 | 110.38 | 120.50 |
| 30 | 4 | 301 | CLA | C2C-C1C-NC | 4.86 | 115.09 | 109.98 |
| 30 | 12 | 321 | CLA | C2C-C1C-NC | 4.86 | 115.09 | 109.98 |
| 30 | B | 802 | CLA | C3D-C2D-C1D | -4.86 | 99.20 | 105.83 |
| 38 | 8 | 307 | KC1 | CHD-C4C-C3C | -4.86 | 116.27 | 125.23 |
| 38 | 12 | 309 | KC1 | CHD-C4C-C3C | -4.86 | 116.27 | 125.23 |
| 30 | 16 | 308 | CLA | C4A-NA-C1A | -4.86 | 104.46 | 106.68 |
| 38 | 13 | 306 | KC1 | C3C-C4C-NC | 4.86 | 115.10 | 109.90 |
| 30 | B | 804 | CLA | C3D-C2D-C1D | -4.86 | 99.21 | 105.83 |
| 30 | 7 | 311 | CLA | O2D-CGD-CBD | 4.85 | 119.72 | 111.23 |
| 30 | 15 | 313 | CLA | C2C-C1C-NC | 4.85 | 115.08 | 109.98 |
| 37 | 8 | 315 | A86 | C4-C5-C6 | -4.85 | 120.47 | 127.28 |
| 37 | 7 | 315 | A86 | C23-C16-C22 | -4.85 | 100.32 | 107.37 |
| 39 | 7 | 314 | DD6 | C21-C20-C19 | -4.85 | 108.79 | 114.24 |
| 30 | 15 | 310 | CLA | C2C-C1C-NC | 4.85 | 115.08 | 109.98 |
| 38 | 13 | 305 | KC1 | CMD-C2D-C1D | 4.85 | 135.56 | 128.46 |
| 30 | 14 | 310 | CLA | O2D-CGD-CBD | 4.85 | 119.71 | 111.23 |
| 30 | 4 | 311 | CLA | C3D-C2D-C1D | -4.85 | 99.21 | 105.83 |
| 30 | B | 823 | CLA | C2C-C1C-NC | 4.85 | 115.07 | 109.98 |
| 37 | 12 | 316 | A86 | O4-C38-C39 | 4.85 | 119.73 | 111.09 |
| 30 | 13 | 301 | CLA | C3D-C2D-C1D | -4.85 | 99.22 | 105.83 |
| 39 | 9 | 314 | DD6 | C21-C20-C19 | -4.85 | 108.80 | 114.24 |
| 30 | A | 810 | CLA | C3D-C2D-C1D | -4.85 | 99.22 | 105.83 |
| 39 | 15 | 319 | DD6 | C35-C36-C31 | -4.85 | 110.42 | 120.50 |
| 39 | 2 | 315 | DD6 | C7-C6-C8 | -4.85 | 110.69 | 118.09 |
| 37 | 2u | 205 | A86 | C4-C5-C6 | -4.84 | 120.48 | 127.28 |
| 30 | L | 203 | CLA | O2D-CGD-CBD | 4.84 | 119.70 | 111.23 |
| 29 | A | 801 | CL0 | CAA-C2A-C3A | -4.84 | 99.91 | 113.00 |
| 30 | 15 | 308 | CLA | C2C-C1C-NC | 4.84 | 115.07 | 109.98 |
| 30 | 9 | 305 | CLA | C3D-C2D-C1D | -4.84 | 99.23 | 105.83 |
| 38 | 13 | 311 | KC1 | C1A-NA-C4A | -4.84 | 104.47 | 106.68 |
| 30 | B | 816 | CLA | C3D-C2D-C1D | -4.84 | 99.23 | 105.83 |
| 39 | 8 | 316 | DD6 | C21-C20-C19 | -4.84 | 108.81 | 114.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 834 | CLA | C2C-C1C-NC | 4.84 | 115.06 | 109.98 |
| 38 | 7 | 308 | KC1 | CMD-C2D-C1D | 4.83 | 135.54 | 128.46 |
| 30 | A | 834 | CLA | C3D-C2D-C1D | -4.83 | 99.23 | 105.83 |
| 30 | 6 | 309 | CLA | C4A-NA-C1A | -4.83 | 104.47 | 106.68 |
| 30 | A | 833 | CLA | C3D-C2D-C1D | -4.83 | 99.24 | 105.83 |
| 37 | 16 | 312 | A86 | O4-C38-C39 | 4.83 | 119.70 | 111.09 |
| 38 | 5 | 312 | KC1 | C3C-C4C-NC | 4.83 | 115.08 | 109.90 |
| 30 | 2 | 305 | CLA | C2C-C1C-NC | 4.83 | 115.06 | 109.98 |
| 38 | 13 | 311 | KC1 | CHD-C4C-C3C | -4.83 | 116.32 | 125.23 |
| 30 | 14 | 304 | CLA | C2C-C1C-NC | 4.83 | 115.05 | 109.98 |
| 30 | 8 | 302 | CLA | C4A-NA-C1A | -4.83 | 104.48 | 106.68 |
| 30 | 11 | 308 | CLA | O2D-CGD-CBD | 4.83 | 119.67 | 111.23 |
| 38 | 10 | 306 | KC1 | CHD-C4C-C3C | -4.83 | 116.33 | 125.23 |
| 30 | 12 | 310 | CLA | C2C-C1C-NC | 4.83 | 115.05 | 109.98 |
| 30 | 8 | 303 | CLA | C2C-C1C-NC | 4.82 | 115.05 | 109.98 |
| 30 | 13 | 303 | CLA | C2C-C1C-NC | 4.82 | 115.05 | 109.98 |
| 30 | 2 | 301 | CLA | C1-O2A-CGA | 4.82 | 128.32 | 116.65 |
| 30 | 5 | 309 | CLA | C2C-C1C-NC | 4.82 | 115.05 | 109.98 |
| 30 | A | 806 | CLA | C3D-C2D-C1D | -4.82 | 99.25 | 105.83 |
| 38 | 5 | 310 | KC1 | C3C-C4C-NC | 4.82 | 115.06 | 109.90 |
| 30 | 14 | 307 | CLA | C3D-C2D-C1D | -4.82 | 99.25 | 105.83 |
| 30 | B | 827 | CLA | C2C-C1C-NC | 4.82 | 115.04 | 109.98 |
| 30 | 15 | 314 | CLA | C3D-C2D-C1D | -4.82 | 99.26 | 105.83 |
| 30 | B | 827 | CLA | CMD-C2D-C1D | 4.82 | 133.21 | 124.73 |
| 30 | B | 833 | CLA | C3D-C2D-C1D | -4.82 | 99.26 | 105.83 |
| 37 | 3 | 314 | A86 | C41-C32-C31 | -4.82 | 106.16 | 110.47 |
| 30 | 4 | 303 | CLA | C2C-C1C-NC | 4.81 | 115.04 | 109.98 |
| 30 | A | 804 | CLA | C4A-NA-C1A | -4.81 | 104.48 | 106.68 |
| 30 | 7 | 304 | CLA | C3D-C2D-C1D | -4.81 | 99.26 | 105.83 |
| 39 | 2 | 317 | DD6 | C7-C6-C8 | -4.81 | 110.74 | 118.09 |
| 38 | 6 | 313 | KC1 | C3C-C4C-NC | 4.81 | 115.05 | 109.90 |
| 30 | A | 842 | CLA | C3D-C2D-C1D | -4.81 | 99.27 | 105.83 |
| 30 | 15 | 302 | CLA | CHD-C1D-ND | -4.81 | 118.03 | 124.80 |
| 30 | 15 | 302 | CLA | C3D-C2D-C1D | -4.81 | 99.27 | 105.83 |
| 30 | A | 817 | CLA | O2D-CGD-CBD | 4.81 | 119.64 | 111.23 |
| 38 | 10 | 312 | KC1 | CHD-C4C-C3C | -4.81 | 116.36 | 125.23 |
| 39 | 7 | 314 | DD6 | C35-C36-C31 | -4.81 | 110.50 | 120.50 |
| 30 | A | 804 | CLA | C3D-C2D-C1D | -4.81 | 99.27 | 105.83 |
| 30 | A | 813 | CLA | O2D-CGD-CBD | 4.81 | 119.63 | 111.23 |
| 30 | 14 | 307 | CLA | CHD-C1D-ND | -4.80 | 118.04 | 124.80 |
| 30 | 15 | 302 | CLA | C3D-C4D-ND | 4.80 | 117.79 | 109.99 |
| 30 | 2 | 309 | CLA | C2C-C1C-NC | 4.80 | 115.03 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 302 | CLA | C2C-C1C-NC | 4.80 | 115.03 | 109.98 |
| 30 | A | 814 | CLA | C3D-C2D-C1D | -4.80 | 99.28 | 105.83 |
| 30 | B | 838 | CLA | C3D-C2D-C1D | -4.80 | 99.28 | 105.83 |
| 30 | A | 812 | CLA | C3D-C2D-C1D | -4.80 | 99.28 | 105.83 |
| 30 | 6 | 317 | CLA | C2C-C1C-NC | 4.80 | 115.02 | 109.98 |
| 38 | 6 | 312 | KC1 | CHD-C4C-C3C | -4.80 | 116.38 | 125.23 |
| 30 | 10 | 307 | CLA | C3D-C2D-C1D | -4.80 | 99.29 | 105.83 |
| 30 | 1 | 301 | CLA | C2C-C1C-NC | 4.79 | 115.02 | 109.98 |
| 30 | 13 | 302 | CLA | C2C-C1C-NC | 4.79 | 115.02 | 109.98 |
| 30 | A | 817 | CLA | C3D-C2D-C1D | -4.79 | 99.29 | 105.83 |
| 30 | 6 | 307 | CLA | C2C-C1C-NC | 4.79 | 115.01 | 109.98 |
| 30 | 10 | 311 | CLA | O2D-CGD-CBD | 4.79 | 119.60 | 111.23 |
| 30 | A | 811 | CLA | C3D-C2D-C1D | -4.79 | 99.30 | 105.83 |
| 30 | 2u | 202 | CLA | C2C-C1C-NC | 4.79 | 115.01 | 109.98 |
| 30 | A | 822 | CLA | C2C-C1C-NC | 4.78 | 115.01 | 109.98 |
| 30 | F | 202 | CLA | C2C-C1C-NC | 4.78 | 115.01 | 109.98 |
| 30 | 9 | 303 | CLA | O2D-CGD-CBD | 4.78 | 119.59 | 111.23 |
| 38 | 9 | 310 | KC1 | C3C-C4C-NC | 4.78 | 115.02 | 109.90 |
| 30 | A | 835 | CLA | C4A-NA-C1A | -4.78 | 104.50 | 106.68 |
| 38 | 5 | 305 | KC1 | O2D-CGD-CBD | 4.78 | 119.59 | 111.23 |
| 30 | B | 839 | CLA | C3D-C2D-C1D | -4.78 | 99.31 | 105.83 |
| 38 | 8 | 312 | KC1 | CHD-C4C-C3C | -4.78 | 116.42 | 125.23 |
| 30 | 2 | 308 | CLA | O2D-CGD-CBD | 4.78 | 119.58 | 111.23 |
| 30 | B | 815 | CLA | C3D-C2D-C1D | -4.78 | 99.31 | 105.83 |
| 30 | B | 806 | CLA | C3D-C2D-C1D | -4.78 | 99.31 | 105.83 |
| 38 | 9 | 310 | KC1 | CHD-C4C-C3C | -4.77 | 116.42 | 125.23 |
| 30 | 2 | 313 | CLA | C2C-C1C-NC | 4.77 | 115.00 | 109.98 |
| 38 | 1 | 308 | KC1 | C3C-C4C-NC | 4.77 | 115.01 | 109.90 |
| 30 | 3 | 305 | CLA | C2C-C1C-NC | 4.77 | 114.99 | 109.98 |
| 30 | B | 832 | CLA | C3D-C2D-C1D | -4.77 | 99.32 | 105.83 |
| 30 | 9 | 308 | CLA | C3D-C2D-C1D | -4.77 | 99.32 | 105.83 |
| 30 | B | 826 | CLA | C3D-C2D-C1D | -4.77 | 99.32 | 105.83 |
| 30 | 5 | 302 | CLA | O2D-CGD-CBD | 4.77 | 119.57 | 111.23 |
| 30 | 2 | 303 | CLA | O2D-CGD-CBD | 4.77 | 119.56 | 111.23 |
| 37 | 2u | 205 | A86 | C7-C6-C8 | 4.77 | 125.37 | 118.09 |
| 30 | L | 203 | CLA | C3D-C2D-C1D | -4.77 | 99.33 | 105.83 |
| 38 | 5 | 310 | KC1 | CHD-C4C-C3C | -4.77 | 116.44 | 125.23 |
| 30 | A | 834 | CLA | C2C-C1C-NC | 4.76 | 114.98 | 109.98 |
| 37 | 12 | 314 | A86 | O4-C38-C39 | 4.76 | 119.58 | 111.09 |
| 30 | 7 | 312 | CLA | C3D-C2D-C1D | -4.76 | 99.33 | 105.83 |
| 30 | 3 | 302 | CLA | C3D-C2D-C1D | -4.76 | 99.33 | 105.83 |
| 30 | 4 | 311 | CLA | CBA-CAA-C2A | -4.76 | 99.63 | 113.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 10 | 311 | CLA | C3D-C2D-C1D | -4.76 | 99.33 | 105.83 |
| 30 | A | 813 | CLA | C3D-C2D-C1D | -4.76 | 99.34 | 105.83 |
| 38 | 10 | 312 | KC1 | O2D-CGD-CBD | 4.76 | 119.55 | 111.23 |
| 30 | 2 | 304 | CLA | C2C-C1C-NC | 4.76 | 114.98 | 109.98 |
| 30 | 5 | 308 | CLA | C2C-C1C-NC | 4.76 | 114.98 | 109.98 |
| 38 | 6 | 313 | KC1 | CMD-C2D-C1D | 4.76 | 135.42 | 128.46 |
| 30 | 7 | 309 | CLA | C3D-C2D-C1D | -4.75 | 99.34 | 105.83 |
| 39 | 8 | 317 | DD6 | C7-C6-C8 | -4.75 | 110.83 | 118.09 |
| 30 | 8 | 302 | CLA | C2C-C1C-NC | 4.75 | 114.97 | 109.98 |
| 39 | 13 | 314 | DD6 | O1-C20-C21 | -4.75 | 109.74 | 115.05 |
| 30 | 6 | 307 | CLA | C2D-C1D-ND | 4.75 | 114.83 | 110.13 |
| 39 | 2 | 316 | DD6 | O1-C15-C14 | -4.75 | 103.26 | 116.88 |
| 30 | 15 | 311 | CLA | O2D-CGD-CBD | 4.75 | 119.53 | 111.23 |
| 30 | 2 | 308 | CLA | C3D-C2D-C1D | -4.75 | 99.35 | 105.83 |
| 30 | B | 833 | CLA | C2C-C1C-NC | 4.75 | 114.97 | 109.98 |
| 30 | B | 817 | CLA | C3D-C2D-C1D | -4.75 | 99.35 | 105.83 |
| 30 | B | 824 | CLA | C1-C2-C3 | -4.75 | 118.42 | 126.20 |
| 38 | 16 | 304 | KC1 | CHC-C1C-C2C | -4.75 | 117.53 | 125.03 |
| 30 | 11 | 308 | CLA | C2C-C1C-NC | 4.75 | 114.97 | 109.98 |
| 30 | 16 | 302 | CLA | C2C-C1C-NC | 4.75 | 114.97 | 109.98 |
| 38 | 2 | 312 | KC1 | CHD-C4C-C3C | -4.75 | 116.48 | 125.23 |
| 37 | 15 | 316 | A86 | C41-C32-C31 | -4.74 | 106.23 | 110.47 |
| 38 | 8 | 311 | KC1 | O2D-CGD-CBD | 4.74 | 119.52 | 111.23 |
| 30 | B | 820 | CLA | C3C-C4C-NC | 4.74 | 116.51 | 110.43 |
| 30 | 16 | 310 | CLA | C3D-C2D-C1D | -4.74 | 99.36 | 105.83 |
| 38 | 3 | 311 | KC1 | CHC-C1C-C2C | -4.74 | 117.54 | 125.03 |
| 30 | 6 | 310 | CLA | O2D-CGD-CBD | 4.74 | 119.52 | 111.23 |
| 30 | 1 | 302 | CLA | C2C-C1C-NC | 4.74 | 114.96 | 109.98 |
| 30 | 6 | 304 | CLA | O2D-CGD-CBD | 4.74 | 119.52 | 111.23 |
| 30 | 3 | 301 | CLA | C3D-C2D-C1D | -4.74 | 99.36 | 105.83 |
| 37 | 16 | 314 | A86 | C3-C2-C1 | -4.74 | 120.63 | 127.28 |
| 30 | A | 816 | CLA | C2C-C1C-NC | 4.74 | 114.96 | 109.98 |
| 30 | 10 | 309 | CLA | C2C-C1C-NC | 4.73 | 114.95 | 109.98 |
| 30 | 16 | 302 | CLA | C3D-C2D-C1D | -4.73 | 99.37 | 105.83 |
| 30 | 5 | 303 | CLA | C3D-C2D-C1D | -4.73 | 99.37 | 105.83 |
| 30 | 14 | 307 | CLA | C3D-C4D-ND | 4.73 | 117.68 | 109.99 |
| 39 | 11 | 313 | DD6 | O1-C15-C14 | -4.73 | 103.32 | 116.88 |
| 30 | B | 811 | CLA | C2C-C1C-NC | 4.73 | 114.95 | 109.98 |
| 37 | 15 | 322 | A86 | C33-C32-C31 | 4.73 | 113.81 | 109.21 |
| 30 | B | 829 | CLA | C4A-NA-C1A | -4.73 | 104.52 | 106.68 |
| 38 | 4 | 310 | KC1 | O2D-CGD-CBD | 4.73 | 119.49 | 111.23 |
| 30 | A | 816 | CLA | C3D-C2D-C1D | -4.72 | 99.38 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | L | 202 | CLA | C3D-C4D-ND | 4.72 | 117.67 | 109.99 |
| 39 | 16 | 313 | DD6 | C7-C6-C8 | -4.72 | 110.87 | 118.09 |
| 30 | 1 | 303 | CLA | C3D-C2D-C1D | -4.72 | 99.38 | 105.83 |
| 39 | 3 | 313 | DD6 | C21-C20-C15 | -4.72 | 114.53 | 122.30 |
| 30 | A | 826 | CLA | C3D-C2D-C1D | -4.72 | 99.39 | 105.83 |
| 30 | 8 | 308 | CLA | C3D-C2D-C1D | -4.72 | 99.39 | 105.83 |
| 38 | 13 | 311 | KC1 | C2B-C1B-NB | 4.72 | 114.80 | 110.13 |
| 38 | 4 | 307 | KC1 | CHC-C1C-C2C | -4.72 | 117.58 | 125.03 |
| 30 | 11 | 310 | CLA | C2C-C1C-NC | 4.72 | 114.94 | 109.98 |
| 30 | A | 841 | CLA | C4A-NA-C1A | -4.72 | 104.53 | 106.68 |
| 30 | 5 | 303 | CLA | C4A-NA-C1A | -4.72 | 104.53 | 106.68 |
| 30 | 13 | 304 | CLA | O2D-CGD-CBD | 4.72 | 119.48 | 111.23 |
| 30 | B | 818 | CLA | C2C-C1C-NC | 4.72 | 114.94 | 109.98 |
| 30 | 4 | 302 | CLA | C3D-C2D-C1D | -4.71 | 99.40 | 105.83 |
| 37 | 10 | 316 | A86 | C10-C9-C8 | -4.71 | 109.54 | 123.20 |
| 30 | 3 | 309 | CLA | C3D-C2D-C1D | -4.71 | 99.40 | 105.83 |
| 30 | 8 | 308 | CLA | O2D-CGD-CBD | 4.71 | 119.47 | 111.23 |
| 30 | 4 | 303 | CLA | C3D-C2D-C1D | -4.71 | 99.40 | 105.83 |
| 30 | 2 | 307 | CLA | O2D-CGD-CBD | 4.71 | 119.47 | 111.23 |
| 30 | F | 203 | CLA | C2C-C1C-NC | 4.71 | 114.93 | 109.98 |
| 30 | 12 | 312 | CLA | C3D-C2D-C1D | -4.71 | 99.40 | 105.83 |
| 30 | 15 | 313 | CLA | O2D-CGD-CBD | 4.71 | 119.46 | 111.23 |
| 30 | A | 803 | CLA | C3D-C2D-C1D | -4.71 | 99.41 | 105.83 |
| 30 | A | 809 | CLA | C2C-C1C-NC | 4.71 | 114.93 | 109.98 |
| 30 | 6 | 305 | CLA | C2C-C1C-NC | 4.71 | 114.93 | 109.98 |
| 37 | 8 | 318 | A86 | C4-C3-C2 | -4.71 | 113.89 | 123.52 |
| 37 | 5 | 315 | A86 | C40-C32-C31 | -4.71 | 106.26 | 110.47 |
| 30 | A | 811 | CLA | C2C-C1C-NC | 4.71 | 114.92 | 109.98 |
| 30 | 7 | 311 | CLA | C2C-C1C-NC | 4.71 | 114.92 | 109.98 |
| 30 | 15 | 313 | CLA | C4A-NA-C1A | -4.71 | 104.53 | 106.68 |
| 30 | A | 818 | CLA | O2D-CGD-CBD | 4.71 | 119.46 | 111.23 |
| 38 | 10 | 310 | KC1 | C3C-C4C-NC | 4.70 | 114.94 | 109.90 |
| 38 | 11 | 311 | KC1 | C3C-C4C-NC | 4.70 | 114.94 | 109.90 |
| 38 | 8 | 313 | KC1 | C1A-NA-C4A | -4.70 | 104.53 | 106.68 |
| 30 | 4 | 304 | CLA | O2A-CGA-CBA | 4.70 | 126.18 | 111.83 |
| 37 | 3 | 314 | A86 | O4-C38-C39 | 4.70 | 119.47 | 111.09 |
| 30 | 12 | 302 | CLA | O2D-CGD-CBD | 4.70 | 119.45 | 111.23 |
| 30 | B | 813 | CLA | C3D-C2D-C1D | -4.70 | 99.42 | 105.83 |
| 30 | 9 | 306 | CLA | C3D-C2D-C1D | -4.70 | 99.42 | 105.83 |
| 38 | 11 | 311 | KC1 | CHD-C4C-C3C | -4.70 | 116.56 | 125.23 |
| 38 | 5 | 312 | KC1 | CHD-C4C-C3C | -4.70 | 116.56 | 125.23 |
| 38 | 8 | 306 | KC1 | CHD-C4C-C3C | -4.70 | 116.56 | 125.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 5 | 314 | DD6 | O1-C15-C14 | -4.70 | 103.42 | 116.88 |
| 38 | 16 | 311 | KC1 | CMA-C3A-C2A | -4.70 | 117.06 | 128.43 |
| 30 | F | 201 | CLA | C2C-C1C-NC | 4.69 | 114.91 | 109.98 |
| 30 | 13 | 309 | CLA | C3D-C2D-C1D | -4.69 | 99.42 | 105.83 |
| 30 | 3 | 302 | CLA | O2D-CGD-CBD | 4.69 | 119.44 | 111.23 |
| 30 | A | 839 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 38 | 13 | 306 | KC1 | C1A-NA-C4A | -4.69 | 104.54 | 106.68 |
| 30 | 6 | 309 | CLA | C2C-C1C-NC | 4.69 | 114.91 | 109.98 |
| 30 | B | 801 | CLA | CAA-C2A-C3A | -4.69 | 100.32 | 113.00 |
| 30 | 15 | 309 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 30 | A | 827 | CLA | O2D-CGD-CBD | 4.69 | 119.43 | 111.23 |
| 30 | A | 844 | CLA | C2C-C1C-NC | 4.69 | 114.91 | 109.98 |
| 30 | 14 | 312 | CLA | C4A-NA-C1A | -4.69 | 104.54 | 106.68 |
| 30 | B | 832 | CLA | C2C-C1C-NC | 4.69 | 114.91 | 109.98 |
| 37 | 2 | 302 | A86 | C41-C32-C31 | -4.69 | 106.28 | 110.47 |
| 30 | 15 | 313 | CLA | C3D-C2D-C1D | -4.69 | 99.43 | 105.83 |
| 38 | 8 | 307 | KC1 | C1A-NA-C4A | -4.69 | 104.54 | 106.68 |
| 30 | 6 | 304 | CLA | C3D-C2D-C1D | -4.69 | 99.44 | 105.83 |
| 38 | 13 | 311 | KC1 | C3C-C4C-NC | 4.69 | 114.92 | 109.90 |
| 30 | 16 | 303 | CLA | C3D-C4D-ND | 4.68 | 117.60 | 109.99 |
| 38 | 2 | 314 | KC1 | CHD-C4C-C3C | -4.68 | 116.59 | 125.23 |
| 38 | 16 | 311 | KC1 | CHD-C4C-C3C | -4.68 | 116.59 | 125.23 |
| 30 | 5 | 311 | CLA | C3D-C2D-C1D | -4.68 | 99.44 | 105.83 |
| 30 | 16 | 307 | CLA | C4A-NA-C1A | -4.68 | 104.54 | 106.68 |
| 38 | 3 | 311 | KC1 | C3C-C4C-NC | 4.68 | 114.92 | 109.90 |
| 30 | 15 | 304 | CLA | C3D-C2D-C1D | -4.68 | 99.44 | 105.83 |
| 37 | 5 | 316 | A86 | C4-C5-C6 | -4.68 | 120.71 | 127.28 |
| 30 | 10 | 304 | CLA | C3D-C2D-C1D | -4.68 | 99.44 | 105.83 |
| 30 | 6 | 315 | CLA | C3D-C2D-C1D | -4.68 | 99.44 | 105.83 |
| 30 | F | 203 | CLA | C3D-C2D-C1D | -4.68 | 99.44 | 105.83 |
| 30 | 9 | 307 | CLA | C2C-C1C-NC | 4.68 | 114.90 | 109.98 |
| 30 | A | 815 | CLA | C3D-C2D-C1D | -4.68 | 99.45 | 105.83 |
| 30 | 16 | 303 | CLA | O2D-CGD-CBD | 4.68 | 119.41 | 111.23 |
| 30 | 14 | 313 | CLA | C3D-C4D-ND | 4.68 | 117.59 | 109.99 |
| 38 | 11 | 307 | KC1 | CHC-C1C-C2C | -4.68 | 117.64 | 125.03 |
| 30 | A | 843 | CLA | O2D-CGD-CBD | 4.68 | 119.41 | 111.23 |
| 38 | 6 | 312 | KC1 | C3C-C4C-NC | 4.68 | 114.91 | 109.90 |
| 30 | B | 822 | CLA | CAA-C2A-C1A | -4.67 | 96.65 | 111.97 |
| 30 | 7 | 312 | CLA | O2D-CGD-CBD | 4.67 | 119.40 | 111.23 |
| 30 | 3 | 310 | CLA | C3D-C2D-C1D | -4.67 | 99.45 | 105.83 |
| 38 | 11 | 305 | KC1 | O2D-CGD-CBD | 4.67 | 119.40 | 111.23 |
| 37 | 7 | 319 | A86 | C9-C8-C6 | -4.67 | 113.55 | 126.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 311 | KC1 | CHD-C4C-C3C | -4.67 | 116.61 | 125.23 |
| 38 | 9 | 310 | KC1 | CMD-C2D-C1D | 4.67 | 135.30 | 128.46 |
| 37 | 15 | 320 | A86 | C33-C32-C31 | 4.67 | 113.75 | 109.21 |
| 30 | 10 | 305 | CLA | CAA-C2A-C3A | -4.67 | 100.38 | 113.00 |
| 30 | 15 | 311 | CLA | C3D-C2D-C1D | -4.67 | 99.46 | 105.83 |
| 38 | 13 | 305 | KC1 | CHD-C4C-C3C | -4.67 | 116.62 | 125.23 |
| 30 | 14 | 312 | CLA | C2C-C1C-NC | 4.67 | 114.89 | 109.98 |
| 30 | 6 | 317 | CLA | C3D-C2D-C1D | -4.66 | 99.47 | 105.83 |
| 30 | 15 | 303 | CLA | C3D-C2D-C1D | -4.66 | 99.47 | 105.83 |
| 30 | A | 828 | CLA | C1D-CHD-C4C | -4.66 | 116.11 | 126.02 |
| 30 | 5 | 303 | CLA | C2C-C1C-NC | 4.66 | 114.88 | 109.98 |
| 38 | 13 | 308 | KC1 | CHD-C4C-C3C | -4.66 | 116.64 | 125.23 |
| 30 | A | 824 | CLA | C2C-C1C-NC | 4.66 | 114.87 | 109.98 |
| 39 | 8 | 317 | DD6 | C21-C20-C19 | -4.66 | 109.01 | 114.24 |
| 30 | 14 | 313 | CLA | C4A-NA-C1A | -4.66 | 104.56 | 106.68 |
| 37 | 10 | 301 | A86 | C33-C32-C31 | 4.65 | 113.73 | 109.21 |
| 38 | 12 | 305 | KC1 | C3C-C4C-NC | 4.65 | 114.89 | 109.90 |
| 30 | 15 | 304 | CLA | C4A-NA-C1A | -4.65 | 104.56 | 106.68 |
| 38 | 12 | 309 | KC1 | CBA-CAA-C2A | -4.65 | 106.78 | 125.45 |
| 38 | 13 | 311 | KC1 | O2D-CGD-CBD | 4.65 | 119.36 | 111.23 |
| 30 | 13 | 307 | CLA | C2C-C1C-NC | 4.65 | 114.87 | 109.98 |
| 30 | 4 | 311 | CLA | C4A-NA-C1A | -4.65 | 104.56 | 106.68 |
| 30 | 3 | 303 | CLA | C2C-C1C-NC | 4.65 | 114.87 | 109.98 |
| 30 | 13 | 307 | CLA | C4A-NA-C1A | -4.65 | 104.56 | 106.68 |
| 38 | 14 | 311 | KC1 | O2D-CGD-CBD | 4.65 | 119.36 | 111.23 |
| 30 | 13 | 301 | CLA | C2C-C1C-NC | 4.65 | 114.86 | 109.98 |
| 38 | 9 | 304 | KC1 | CHD-C4C-C3C | -4.64 | 116.66 | 125.23 |
| 30 | 15 | 306 | CLA | C4A-NA-C1A | -4.64 | 104.56 | 106.68 |
| 30 | B | 831 | CLA | C3D-C2D-C1D | -4.64 | 99.49 | 105.83 |
| 39 | 1 | 310 | DD6 | O1-C15-C14 | -4.64 | 103.58 | 116.88 |
| 30 | 2 | 309 | CLA | C3D-C2D-C1D | -4.64 | 99.50 | 105.83 |
| 30 | B | 819 | CLA | C2C-C1C-NC | 4.64 | 114.86 | 109.98 |
| 30 | 15 | 310 | CLA | C3D-C2D-C1D | -4.64 | 99.50 | 105.83 |
| 38 | 4 | 310 | KC1 | C1A-NA-C4A | -4.64 | 104.56 | 106.68 |
| 30 | 15 | 314 | CLA | CHD-C1D-ND | -4.64 | 118.28 | 124.80 |
| 30 | 7 | 305 | CLA | C2C-C1C-NC | 4.64 | 114.85 | 109.98 |
| 38 | 6 | 311 | KC1 | CHD-C4C-C3C | -4.64 | 116.68 | 125.23 |
| 30 | A | 823 | CLA | C2C-C1C-NC | 4.63 | 114.85 | 109.98 |
| 30 | 11 | 309 | CLA | C2C-C1C-NC | 4.63 | 114.85 | 109.98 |
| 30 | A | 822 | CLA | O2D-CGD-CBD | 4.63 | 119.33 | 111.23 |
| 30 | B | 813 | CLA | C4A-NA-C1A | -4.63 | 104.56 | 106.68 |
| 38 | 8 | 306 | KC1 | CHC-C1C-C2C | -4.63 | 117.71 | 125.03 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 302 | CLA | C3D-C2D-C1D | -4.63 | 99.51 | 105.83 |
| 38 | 3 | 308 | KC1 | CMD-C2D-C1D | 4.63 | 135.24 | 128.46 |
| 30 | 2 | 313 | CLA | C3D-C2D-C1D | -4.63 | 99.51 | 105.83 |
| 30 | 13 | 303 | CLA | C3D-C4D-ND | 4.63 | 117.52 | 109.99 |
| 30 | 16 | 308 | CLA | C3D-C2D-C1D | -4.63 | 99.51 | 105.83 |
| 38 | 7 | 313 | KC1 | CHD-C4C-C3C | -4.63 | 116.69 | 125.23 |
| 30 | A | 832 | CLA | C2C-C1C-NC | 4.63 | 114.84 | 109.98 |
| 38 | 11 | 305 | KC1 | CHD-C4C-C3C | -4.63 | 116.69 | 125.23 |
| 30 | F | 202 | CLA | O2D-CGD-CBD | 4.63 | 119.32 | 111.23 |
| 30 | 6 | 316 | CLA | O2D-CGD-CBD | 4.63 | 119.32 | 111.23 |
| 30 | F | 203 | CLA | C4A-NA-C1A | -4.62 | 104.57 | 106.68 |
| 38 | 13 | 308 | KC1 | C1A-NA-C4A | -4.62 | 104.57 | 106.68 |
| 30 | 9 | 306 | CLA | O2D-CGD-CBD | 4.62 | 119.31 | 111.23 |
| 37 | 14 | 316 | A86 | C41-C32-C31 | -4.62 | 106.33 | 110.47 |
| 30 | 2 | 304 | CLA | C3D-C2D-C1D | -4.62 | 99.52 | 105.83 |
| 30 | 14 | 303 | CLA | C2C-C1C-NC | 4.62 | 114.84 | 109.98 |
| 30 | B | 801 | CLA | C1D-CHD-C4C | -4.62 | 116.20 | 126.02 |
| 30 | L | 202 | CLA | CHD-C1D-ND | -4.62 | 118.30 | 124.80 |
| 30 | B | 835 | CLA | C4A-NA-C1A | -4.62 | 104.57 | 106.68 |
| 30 | 1 | 301 | CLA | O2D-CGD-CBD | 4.62 | 119.31 | 111.23 |
| 30 | 3 | 310 | CLA | O2D-CGD-CBD | 4.62 | 119.31 | 111.23 |
| 38 | 3 | 304 | KC1 | C3C-C4C-NC | 4.62 | 114.85 | 109.90 |
| 30 | 5 | 308 | CLA | C3D-C2D-C1D | -4.62 | 99.53 | 105.83 |
| 39 | 2 | 317 | DD6 | C24-C1-C2 | -4.62 | 111.75 | 119.01 |
| 30 | 5 | 304 | CLA | C2C-C1C-NC | 4.62 | 114.83 | 109.98 |
| 39 | 8 | 317 | DD6 | C-C1-C24 | -4.62 | 111.04 | 118.09 |
| 30 | 9 | 301 | CLA | C2C-C1C-NC | 4.61 | 114.83 | 109.98 |
| 30 | B | 819 | CLA | C4A-NA-C1A | -4.61 | 104.57 | 106.68 |
| 30 | 6 | 306 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 30 | 15 | 314 | CLA | O2D-CGD-CBD | 4.61 | 119.29 | 111.23 |
| 37 | 13 | 313 | A86 | C41-C32-C31 | -4.61 | 106.34 | 110.47 |
| 30 | A | 830 | CLA | C2C-C1C-NC | 4.61 | 114.83 | 109.98 |
| 39 | 2 | 317 | DD6 | C21-C20-C19 | -4.61 | 109.06 | 114.24 |
| 38 | 3 | 304 | KC1 | CHD-C4C-C3C | -4.61 | 116.73 | 125.23 |
| 30 | 14 | 304 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 37 | 7 | 315 | A86 | O4-C38-C39 | 4.61 | 119.31 | 111.09 |
| 37 | 4 | 315 | A86 | C25-C26-C27 | -4.61 | 120.81 | 127.28 |
| 30 | A | 806 | CLA | C3D-C4D-ND | 4.61 | 117.48 | 109.99 |
| 30 | 6 | 305 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 38 | 13 | 312 | KC1 | CHD-C4C-C3C | -4.61 | 116.73 | 125.23 |
| 30 | 9 | 302 | CLA | C3D-C2D-C1D | -4.61 | 99.54 | 105.83 |
| 30 | 9 | 305 | CLA | C2C-C1C-NC | 4.61 | 114.82 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 7 | 309 | CLA | O2D-CGD-CBD | 4.61 | 119.28 | 111.23 |
| 38 | 14 | 308 | KC1 | CHD-C4C-C3C | -4.60 | 116.74 | 125.23 |
| 30 | 2 | 303 | CLA | CHD-C4C-C3C | -4.60 | 118.06 | 124.77 |
| 30 | 10 | 309 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 30 | B | 818 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 38 | 11 | 312 | KC1 | C3C-C4C-NC | 4.60 | 114.83 | 109.90 |
| 38 | 12 | 309 | KC1 | C1A-C2A-C3A | -4.60 | 103.05 | 107.28 |
| 30 | 2u | 202 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 37 | 15 | 321 | A86 | C3-C2-C1 | -4.60 | 120.83 | 127.28 |
| 30 | B | 837 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 30 | A | 829 | CLA | O2D-CGD-CBD | 4.60 | 119.27 | 111.23 |
| 30 | A | 805 | CLA | C3D-C2D-C1D | -4.60 | 99.55 | 105.83 |
| 30 | A | 825 | CLA | C3D-C2D-C1D | -4.60 | 99.56 | 105.83 |
| 30 | A | 825 | CLA | O2D-CGD-CBD | 4.60 | 119.27 | 111.23 |
| 38 | 9 | 312 | KC1 | C3C-C4C-NC | 4.60 | 114.83 | 109.90 |
| 38 | 12 | 309 | KC1 | C3C-C4C-NC | 4.60 | 114.83 | 109.90 |
| 38 | 11 | 312 | KC1 | O2D-CGD-CBD | 4.60 | 119.27 | 111.23 |
| 30 | 14 | 305 | CLA | O2D-CGD-CBD | 4.60 | 119.26 | 111.23 |
| 30 | 3 | 309 | CLA | C4A-NA-C1A | -4.59 | 104.58 | 106.68 |
| 30 | 14 | 309 | CLA | C4A-NA-C1A | -4.59 | 104.58 | 106.68 |
| 30 | 11 | 304 | CLA | C3D-C2D-C1D | -4.59 | 99.56 | 105.83 |
| 30 | A | 811 | CLA | O2D-CGD-CBD | 4.59 | 119.26 | 111.23 |
| 38 | 1 | 308 | KC1 | C1A-NA-C4A | -4.59 | 104.58 | 106.68 |
| 38 | 3 | 308 | KC1 | C3C-C4C-NC | 4.59 | 114.82 | 109.90 |
| 30 | A | 835 | CLA | C3D-C2D-C1D | -4.59 | 99.57 | 105.83 |
| 30 | 11 | 310 | CLA | O2D-CGD-CBD | 4.59 | 119.25 | 111.23 |
| 38 | 4 | 308 | KC1 | CHD-C4C-C3C | -4.59 | 116.77 | 125.23 |
| 39 | 6 | 303 | DD6 | C7-C6-C8 | -4.59 | 111.08 | 118.09 |
| 30 | 4 | 306 | CLA | C3D-C2D-C1D | -4.59 | 99.57 | 105.83 |
| 37 | 4 | 312 | A86 | C36-C31-C32 | -4.59 | 115.14 | 119.70 |
| 39 | 10 | 314 | DD6 | C21-C20-C15 | -4.59 | 114.75 | 122.30 |
| 39 | 6 | 319 | DD6 | C12-C11-C13 | -4.59 | 111.08 | 118.09 |
| 30 | 11 | 309 | CLA | C3D-C4D-ND | 4.59 | 117.44 | 109.99 |
| 30 | 8 | 308 | CLA | C2C-C1C-NC | 4.58 | 114.80 | 109.98 |
| 39 | 8 | 316 | DD6 | C15-C14-C13 | 4.58 | 135.69 | 125.99 |
| 30 | A | 831 | CLA | C3D-C2D-C1D | -4.58 | 99.58 | 105.83 |
| 30 | 9 | 305 | CLA | O2D-CGD-O1D | -4.58 | 114.93 | 123.85 |
| 38 | 1 | 308 | KC1 | CHD-C4C-C3C | -4.58 | 116.78 | 125.23 |
| 30 | 15 | 309 | CLA | C2C-C1C-NC | 4.58 | 114.79 | 109.98 |
| 38 | 16 | 311 | KC1 | C1A-C2A-C3A | -4.58 | 103.07 | 107.28 |
| 37 | 16 | 314 | A86 | C4-C5-C6 | -4.58 | 120.86 | 127.28 |
| 30 | 13 | 304 | CLA | C3D-C2D-C1D | -4.58 | 99.58 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 309 | CLA | C3D-C2D-C1D | -4.58 | 99.58 | 105.83 |
| 38 | 9 | 304 | KC1 | C1A-NA-C4A | -4.58 | 104.59 | 106.68 |
| 38 | 5 | 305 | KC1 | CHD-C4C-C3C | -4.58 | 116.79 | 125.23 |
| 30 | 11 | 304 | CLA | O2D-CGD-CBD | 4.58 | 119.23 | 111.23 |
| 30 | 2 | 310 | CLA | C1D-CHD-C4C | -4.57 | 116.30 | 126.02 |
| 30 | 4 | 305 | CLA | C3D-C2D-C1D | -4.57 | 99.59 | 105.83 |
| 39 | 5 | 314 | DD6 | C7-C6-C8 | -4.57 | 111.10 | 118.09 |
| 30 | 16 | 301 | CLA | C2C-C1C-NC | 4.57 | 114.78 | 109.98 |
| 38 | 5 | 305 | KC1 | C3C-C4C-NC | 4.57 | 114.80 | 109.90 |
| 30 | 12 | 304 | CLA | C3D-C2D-C1D | -4.57 | 99.60 | 105.83 |
| 39 | 5 | 313 | DD6 | O1-C20-C21 | -4.57 | 109.94 | 115.05 |
| 30 | 12 | 321 | CLA | C3D-C2D-C1D | -4.57 | 99.60 | 105.83 |
| 30 | A | 832 | CLA | C3D-C2D-C1D | -4.57 | 99.60 | 105.83 |
| 30 | F | 201 | CLA | C4A-NA-C1A | -4.57 | 104.60 | 106.68 |
| 30 | B | 803 | CLA | CHD-C1D-ND | -4.57 | 118.38 | 124.80 |
| 30 | 13 | 303 | CLA | C3D-C2D-C1D | -4.56 | 99.60 | 105.83 |
| 30 | 6 | 316 | CLA | C2C-C1C-NC | 4.56 | 114.78 | 109.98 |
| 30 | A | 819 | CLA | C4A-NA-C1A | -4.56 | 104.60 | 106.68 |
| 37 | 7 | 319 | A86 | C25-C24-C1 | -4.56 | 113.85 | 126.36 |
| 38 | 11 | 312 | KC1 | C2C-C1C-NC | 4.56 | 116.09 | 110.45 |
| 38 | 12 | 305 | KC1 | CHD-C4C-C3C | -4.56 | 116.82 | 125.23 |
| 38 | 14 | 308 | KC1 | CHC-C1C-C2C | -4.56 | 117.83 | 125.03 |
| 37 | 11 | 316 | A86 | C4-C5-C6 | -4.56 | 120.89 | 127.28 |
| 39 | 12 | 315 | DD6 | C7-C6-C8 | -4.56 | 111.13 | 118.09 |
| 30 | A | 808 | CLA | C2C-C1C-NC | 4.56 | 114.77 | 109.98 |
| 38 | 12 | 305 | KC1 | CHC-C1C-C2C | -4.56 | 117.83 | 125.03 |
| 39 | 10 | 314 | DD6 | C21-C20-C19 | -4.56 | 109.12 | 114.24 |
| 38 | 6 | 313 | KC1 | O2D-CGD-CBD | 4.55 | 119.19 | 111.23 |
| 39 | 3 | 313 | DD6 | O1-C15-C14 | -4.55 | 103.83 | 116.88 |
| 30 | A | 841 | CLA | C3D-C2D-C1D | -4.55 | 99.62 | 105.83 |
| 30 | B | 816 | CLA | C2C-C1C-NC | 4.55 | 114.76 | 109.98 |
| 30 | 1 | 302 | CLA | C3D-C2D-C1D | -4.55 | 99.62 | 105.83 |
| 30 | A | 817 | CLA | C3D-C4D-ND | 4.55 | 117.39 | 109.99 |
| 30 | L | 203 | CLA | C2C-C1C-NC | 4.55 | 114.76 | 109.98 |
| 37 | 2u | 205 | A86 | C7-C6-C5 | -4.55 | 115.45 | 122.82 |
| 38 | 9 | 311 | KC1 | C3C-C4C-NC | 4.55 | 114.77 | 109.90 |
| 30 | A | 838 | CLA | C4A-NA-C1A | -4.55 | 104.60 | 106.68 |
| 38 | 8 | 311 | KC1 | CHD-C4C-C3C | -4.55 | 116.84 | 125.23 |
| 30 | A | 827 | CLA | CAA-C2A-C3A | -4.55 | 100.72 | 113.00 |
| 30 | A | 803 | CLA | CMD-C2D-C1D | 4.55 | 132.73 | 124.73 |
| 30 | 2 | 311 | CLA | C3D-C4D-ND | 4.54 | 117.38 | 109.99 |
| 30 | 15 | 305 | CLA | C3D-C2D-C1D | -4.54 | 99.63 | 105.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 839 | CLA | C2C-C1C-NC | 4.54 | 114.75 | 109.98 |
| 30 | 5 | 309 | CLA | C3D-C2D-C1D | -4.54 | 99.63 | 105.83 |
| 30 | A | 842 | CLA | C4A-NA-C1A | -4.54 | 104.61 | 106.68 |
| 30 | 14 | 312 | CLA | C3D-C2D-C1D | -4.54 | 99.63 | 105.83 |
| 38 | 13 | 305 | KC1 | CHC-C1C-C2C | -4.54 | 117.86 | 125.03 |
| 30 | A | 817 | CLA | C2C-C1C-NC | 4.54 | 114.75 | 109.98 |
| 30 | 8 | 301 | CLA | C2C-C1C-NC | 4.54 | 114.75 | 109.98 |
| 39 | 1 | 310 | DD6 | C21-C20-C15 | -4.54 | 114.83 | 122.30 |
| 30 | 16 | 309 | CLA | C3D-C2D-C1D | -4.54 | 99.64 | 105.83 |
| 30 | 7 | 306 | CLA | C3D-C2D-C1D | -4.54 | 99.64 | 105.83 |
| 30 | 2 | 303 | CLA | C2C-C1C-NC | 4.54 | 114.75 | 109.98 |
| 38 | 5 | 306 | KC1 | CHD-C4C-C3C | -4.53 | 116.87 | 125.23 |
| 30 | B | 805 | CLA | C3D-C2D-C1D | -4.53 | 99.64 | 105.83 |
| 39 | 7 | 318 | DD6 | C35-C36-C31 | -4.53 | 111.07 | 120.50 |
| 38 | 12 | 313 | KC1 | CMA-C3A-C2A | -4.53 | 117.46 | 128.43 |
| 30 | B | 812 | CLA | O2D-CGD-CBD | 4.53 | 119.15 | 111.23 |
| 39 | 7 | 302 | DD6 | C21-C20-C19 | -4.53 | 109.15 | 114.24 |
| 30 | B | 838 | CLA | C1C-C2C-C3C | -4.53 | 102.22 | 106.98 |
| 38 | 4 | 310 | KC1 | CHD-C4C-C3C | -4.53 | 116.88 | 125.23 |
| 37 | 10 | 317 | A86 | C4-C5-C6 | -4.53 | 120.93 | 127.28 |
| 38 | 10 | 312 | KC1 | C2A-C1A-NA | 4.53 | 116.60 | 109.34 |
| 30 | A | 817 | CLA | CHD-C1D-ND | -4.53 | 118.43 | 124.80 |
| 30 | B | 817 | CLA | C3D-C4D-ND | 4.53 | 117.35 | 109.99 |
| 30 | 12 | 312 | CLA | O2D-CGD-CBD | 4.53 | 119.14 | 111.23 |
| 38 | 13 | 306 | KC1 | C2A-C1A-NA | 4.53 | 116.59 | 109.34 |
| 38 | 14 | 306 | KC1 | C2A-C1A-NA | 4.52 | 116.59 | 109.34 |
| 30 | 16 | 306 | CLA | C2C-C1C-NC | 4.52 | 114.73 | 109.98 |
| 30 | B | 811 | CLA | C3D-C4D-ND | 4.52 | 117.34 | 109.99 |
| 30 | 13 | 304 | CLA | C3D-C4D-ND | 4.52 | 117.34 | 109.99 |
| 30 | 12 | 302 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 30 | 8 | 301 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 30 | 9 | 303 | CLA | C2C-C1C-NC | 4.52 | 114.73 | 109.98 |
| 38 | 10 | 310 | KC1 | C2A-C1A-NA | 4.52 | 116.58 | 109.34 |
| 35 | B | 852 | LMT | O1B-C4'-C3' | 4.52 | 118.72 | 107.23 |
| 30 | 11 | 306 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 30 | 15 | 306 | CLA | C3D-C2D-C1D | -4.52 | 99.66 | 105.83 |
| 37 | 8 | 315 | A86 | C12-C11-C13 | 4.52 | 123.33 | 116.00 |
| 38 | 8 | 312 | KC1 | C3A-C4A-NA | 4.52 | 116.04 | 110.45 |
| 30 | A | 833 | CLA | C2C-C1C-NC | 4.52 | 114.73 | 109.98 |
| 38 | 16 | 304 | KC1 | C3C-C4C-NC | 4.52 | 114.74 | 109.90 |
| 37 | 10 | 316 | A86 | C12-C11-C13 | 4.52 | 123.33 | 116.00 |
| 38 | 13 | 308 | KC1 | CHC-C1C-C2C | -4.52 | 117.89 | 125.03 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 812 | CLA | C3D-C2D-C1D | -4.52 | 99.67 | 105.83 |
| 30 | 15 | 314 | CLA | C3D-C4D-ND | 4.52 | 117.33 | 109.99 |
| 30 | B | 816 | CLA | C3D-C4D-ND | 4.52 | 117.33 | 109.99 |
| 30 | B | 801 | CLA | CMA-C3A-C2A | -4.51 | 96.53 | 113.98 |
| 37 | 2 | 302 | A86 | O4-C38-C39 | 4.51 | 119.14 | 111.09 |
| 30 | 16 | 305 | CLA | C3D-C2D-C1D | -4.51 | 99.67 | 105.83 |
| 39 | 10 | 313 | DD6 | C12-C11-C13 | -4.51 | 111.20 | 118.09 |
| 30 | 2 | 308 | CLA | C4A-NA-C1A | -4.51 | 104.62 | 106.68 |
| 30 | 10 | 305 | CLA | C3D-C2D-C1D | -4.51 | 99.68 | 105.83 |
| 38 | 14 | 306 | KC1 | CMD-C2D-C1D | 4.51 | 135.06 | 128.46 |
| 30 | 6 | 304 | CLA | C2C-C1C-NC | 4.51 | 114.72 | 109.98 |
| 30 | 11 | 304 | CLA | C3D-C4D-ND | 4.51 | 117.32 | 109.99 |
| 30 | 15 | 312 | CLA | C4A-NA-C1A | -4.51 | 104.62 | 106.68 |
| 37 | 11 | 314 | A86 | C25-C26-C27 | -4.51 | 120.96 | 127.28 |
| 30 | A | 820 | CLA | C3D-C2D-C1D | -4.51 | 99.68 | 105.83 |
| 39 | 3 | 312 | DD6 | O1-C15-C14 | -4.51 | 103.97 | 116.88 |
| 30 | B | 829 | CLA | C2C-C1C-NC | 4.51 | 114.71 | 109.98 |
| 38 | 3 | 308 | KC1 | CHC-C1C-C2C | -4.50 | 117.92 | 125.03 |
| 38 | 3 | 308 | KC1 | CHD-C4C-C3C | -4.50 | 116.92 | 125.23 |
| 30 | A | 830 | CLA | C4A-NA-C1A | -4.50 | 104.62 | 106.68 |
| 30 | B | 817 | CLA | C4A-NA-C1A | -4.50 | 104.62 | 106.68 |
| 38 | 3 | 311 | KC1 | CHD-C4C-C3C | -4.50 | 116.93 | 125.23 |
| 30 | 7 | 303 | CLA | C3D-C2D-C1D | -4.50 | 99.69 | 105.83 |
| 30 | 15 | 308 | CLA | C3D-C2D-C1D | -4.50 | 99.69 | 105.83 |
| 38 | 8 | 307 | KC1 | C3C-C4C-NC | 4.50 | 114.72 | 109.90 |
| 30 | 14 | 305 | CLA | C3D-C2D-C1D | -4.50 | 99.69 | 105.83 |
| 38 | 6 | 311 | KC1 | C2A-C1A-NA | 4.50 | 116.55 | 109.34 |
| 30 | 9 | 303 | CLA | C3D-C2D-C1D | -4.50 | 99.69 | 105.83 |
| 38 | 12 | 311 | KC1 | CHD-C4C-C3C | -4.50 | 116.93 | 125.23 |
| 30 | 14 | 310 | CLA | C3D-C2D-C1D | -4.50 | 99.69 | 105.83 |
| 30 | B | 803 | CLA | C1D-CHD-C4C | -4.50 | 116.46 | 126.02 |
| 30 | 3 | 309 | CLA | C2C-C1C-NC | 4.50 | 114.70 | 109.98 |
| 30 | 2 | 301 | CLA | C3D-C2D-C1D | -4.50 | 99.70 | 105.83 |
| 38 | 11 | 305 | KC1 | C1A-NA-C4A | -4.50 | 104.63 | 106.68 |
| 38 | 1 | 306 | KC1 | C3C-C4C-NC | 4.49 | 114.72 | 109.90 |
| 30 | 10 | 307 | CLA | C2C-C1C-NC | 4.49 | 114.70 | 109.98 |
| 38 | 9 | 312 | KC1 | CHC-C1C-C2C | -4.49 | 117.93 | 125.03 |
| 30 | 10 | 308 | CLA | C3D-C4D-ND | 4.49 | 117.29 | 109.99 |
| 30 | A | 807 | CLA | C2C-C1C-NC | 4.49 | 114.70 | 109.98 |
| 30 | A | 805 | CLA | C4A-NA-C1A | -4.49 | 104.63 | 106.68 |
| 30 | 6 | 316 | CLA | C4A-NA-C1A | -4.49 | 104.63 | 106.68 |
| 30 | B | 830 | CLA | C4A-NA-C1A | -4.49 | 104.63 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 812 | CLA | CHD-C1D-ND | -4.49 | 118.48 | 124.80 |
| 30 | 4 | 305 | CLA | CHD-C1D-ND | -4.49 | 118.49 | 124.80 |
| 30 | 6 | 310 | CLA | C3D-C2D-C1D | -4.49 | 99.71 | 105.83 |
| 30 | A | 830 | CLA | O2D-CGD-CBD | 4.49 | 119.08 | 111.23 |
| 38 | 11 | 305 | KC1 | C3C-C4C-NC | 4.49 | 114.71 | 109.90 |
| 30 | 3 | 303 | CLA | CAA-C2A-C3A | -4.49 | 100.88 | 113.00 |
| 38 | 2 | 306 | KC1 | CHD-C4C-C3C | -4.48 | 116.96 | 125.23 |
| 39 | 6 | 319 | DD6 | C13-C11-C10 | -4.48 | 111.96 | 119.01 |
| 30 | 15 | 312 | CLA | CHD-C1D-ND | -4.48 | 118.49 | 124.80 |
| 30 | 1 | 301 | CLA | C3D-C2D-C1D | -4.48 | 99.71 | 105.83 |
| 30 | 8 | 304 | CLA | C1D-CHD-C4C | -4.48 | 116.49 | 126.02 |
| 30 | 14 | 302 | CLA | C3D-C4D-ND | 4.48 | 117.27 | 109.99 |
| 30 | B | 837 | CLA | O2D-CGD-CBD | 4.48 | 119.06 | 111.23 |
| 30 | B | 837 | CLA | C2C-C1C-NC | 4.48 | 114.69 | 109.98 |
| 30 | 10 | 308 | CLA | C4A-NA-C1A | -4.48 | 104.64 | 106.68 |
| 30 | B | 802 | CLA | C2C-C1C-NC | 4.48 | 114.69 | 109.98 |
| 38 | 4 | 308 | KC1 | C3C-C4C-NC | 4.48 | 114.70 | 109.90 |
| 30 | 14 | 313 | CLA | C3D-C2D-C1D | -4.48 | 99.72 | 105.83 |
| 38 | 10 | 310 | KC1 | CHC-C1C-C2C | -4.48 | 117.96 | 125.03 |
| 30 | 8 | 303 | CLA | C3D-C4D-ND | 4.48 | 117.27 | 109.99 |
| 38 | 13 | 308 | KC1 | C3C-C4C-NC | 4.48 | 114.70 | 109.90 |
| 30 | 12 | 310 | CLA | C3D-C2D-C1D | -4.48 | 99.72 | 105.83 |
| 30 | 8 | 308 | CLA | C4A-NA-C1A | -4.48 | 104.64 | 106.68 |
| 30 | 5 | 309 | CLA | O2D-CGD-CBD | 4.47 | 119.05 | 111.23 |
| 30 | B | 829 | CLA | C3D-C2D-C1D | -4.47 | 99.73 | 105.83 |
| 38 | 4 | 308 | KC1 | C4B-C3B-C2B | -4.47 | 102.94 | 106.81 |
| 30 | B | 809 | CLA | O2D-CGD-CBD | 4.47 | 119.05 | 111.23 |
| 30 | 10 | 303 | CLA | C3D-C2D-C1D | -4.47 | 99.73 | 105.83 |
| 38 | 13 | 311 | KC1 | C2A-C1A-NA | 4.47 | 116.50 | 109.34 |
| 30 | 7 | 310 | CLA | CHD-C1D-ND | -4.47 | 118.51 | 124.80 |
| 38 | 3 | 304 | KC1 | CHC-C1C-C2C | -4.47 | 117.97 | 125.03 |
| 37 | 2u | 203 | A86 | C7-C6-C5 | -4.47 | 115.58 | 122.82 |
| 30 | 15 | 303 | CLA | O2D-CGD-CBD | 4.47 | 119.04 | 111.23 |
| 30 | 7 | 305 | CLA | C3D-C2D-C1D | -4.47 | 99.73 | 105.83 |
| 30 | 1 | 303 | CLA | C2C-C1C-NC | 4.47 | 114.67 | 109.98 |
| 30 | 12 | 304 | CLA | C2C-C1C-NC | 4.47 | 114.67 | 109.98 |
| 30 | B | 813 | CLA | C2C-C1C-NC | 4.47 | 114.67 | 109.98 |
| 30 | B | 835 | CLA | CHD-C1D-ND | -4.46 | 118.52 | 124.80 |
| 30 | 6 | 314 | CLA | C3D-C4D-ND | 4.46 | 117.24 | 109.99 |
| 38 | 5 | 306 | KC1 | C2A-C1A-NA | 4.46 | 116.49 | 109.34 |
| 39 | 5 | 314 | DD6 | C35-C36-C31 | -4.46 | 111.21 | 120.50 |
| 30 | B | 804 | CLA | C2C-C1C-NC | 4.46 | 114.67 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 6 | 311 | KC1 | CHC-C1C-C2C | -4.46 | 117.98 | 125.03 |
| 38 | 8 | 310 | KC1 | CHC-C1C-C2C | -4.46 | 117.98 | 125.03 |
| 38 | 4 | 310 | KC1 | C3C-C4C-NC | 4.46 | 114.68 | 109.90 |
| 30 | 13 | 302 | CLA | O2D-CGD-CBD | 4.46 | 119.03 | 111.23 |
| 30 | 2 | 305 | CLA | C3D-C2D-C1D | -4.46 | 99.74 | 105.83 |
| 38 | 8 | 306 | KC1 | C3C-C4C-NC | 4.46 | 114.68 | 109.90 |
| 30 | A | 827 | CLA | CHD-C1D-ND | -4.46 | 118.53 | 124.80 |
| 38 | 7 | 313 | KC1 | O2D-CGD-CBD | 4.46 | 119.02 | 111.23 |
| 39 | 10 | 314 | DD6 | C15-C14-C13 | -4.46 | 116.57 | 125.99 |
| 30 | 16 | 306 | CLA | C3D-C4D-ND | 4.46 | 117.23 | 109.99 |
| 30 | 12 | 307 | CLA | C3D-C2D-C1D | -4.46 | 99.75 | 105.83 |
| 30 | 7 | 311 | CLA | C3D-C2D-C1D | -4.46 | 99.75 | 105.83 |
| 30 | 12 | 310 | CLA | C3D-C4D-ND | 4.46 | 117.23 | 109.99 |
| 34 | 6 | 322 | LHG | O4-P-O5 | 4.45 | 133.17 | 112.44 |
| 30 | A | 837 | CLA | C4A-NA-C1A | -4.45 | 104.65 | 106.68 |
| 30 | 8 | 304 | CLA | C3D-C2D-C1D | -4.45 | 99.75 | 105.83 |
| 38 | 10 | 310 | KC1 | CHD-C4C-C3C | -4.45 | 117.02 | 125.23 |
| 38 | 2 | 312 | KC1 | CHC-C1C-C2C | -4.45 | 118.00 | 125.03 |
| 30 | 3 | 306 | CLA | C3D-C2D-C1D | -4.45 | 99.75 | 105.83 |
| 34 | 9 | 318 | LHG | O4-P-O5 | 4.45 | 133.15 | 112.44 |
| 30 | B | 831 | CLA | C2C-C1C-NC | 4.45 | 114.66 | 109.98 |
| 38 | 9 | 312 | KC1 | CHD-C4C-C3C | -4.45 | 117.02 | 125.23 |
| 38 | 11 | 312 | KC1 | CHD-C4C-C3C | -4.45 | 117.03 | 125.23 |
| 38 | 5 | 310 | KC1 | C4B-C3B-C2B | -4.45 | 102.96 | 106.81 |
| 30 | 1 | 305 | CLA | C3D-C2D-C1D | -4.45 | 99.76 | 105.83 |
| 38 | 8 | 314 | KC1 | CHC-C1C-C2C | -4.45 | 118.01 | 125.03 |
| 30 | 9 | 301 | CLA | CAC-C3C-C4C | 4.45 | 130.58 | 124.79 |
| 30 | 14 | 307 | CLA | CHD-C4C-C3C | -4.45 | 118.29 | 124.77 |
| 30 | 2 | 311 | CLA | O2D-CGD-CBD | 4.45 | 119.00 | 111.23 |
| 39 | 11 | 313 | DD6 | C21-C20-C19 | -4.44 | 109.25 | 114.24 |
| 30 | 16 | 303 | CLA | C4A-NA-C1A | -4.44 | 104.65 | 106.68 |
| 38 | 16 | 304 | KC1 | C2A-C1A-NA | 4.44 | 116.46 | 109.34 |
| 30 | 10 | 305 | CLA | C3D-C4D-ND | 4.44 | 117.21 | 109.99 |
| 37 | 11 | 315 | A86 | C41-C32-C31 | -4.44 | 106.50 | 110.47 |
| 38 | 5 | 306 | KC1 | C3C-C4C-NC | 4.44 | 114.66 | 109.90 |
| 30 | B | 802 | CLA | C3C-C4C-NC | 4.44 | 116.12 | 110.43 |
| 30 | 2 | 311 | CLA | C3D-C2D-C1D | -4.44 | 99.77 | 105.83 |
| 30 | 6 | 317 | CLA | O2D-CGD-CBD | 4.44 | 118.99 | 111.23 |
| 30 | 2 | 305 | CLA | C4A-NA-C1A | -4.44 | 104.65 | 106.68 |
| 30 | B | 822 | CLA | CAA-C2A-C3A | -4.44 | 101.00 | 113.00 |
| 30 | 11 | 308 | CLA | C3D-C2D-C1D | -4.44 | 99.77 | 105.83 |
| 30 | 1 | 307 | CLA | C3D-C4D-ND | 4.44 | 117.20 | 109.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 802 | CLA | C3D-C2D-C1D | -4.44 | 99.77 | 105.83 |
| 39 | 4 | 316 | DD6 | C24-C1-C2 | -4.44 | 112.03 | 119.01 |
| 38 | 9 | 304 | KC1 | C2A-C1A-NA | 4.44 | 116.45 | 109.34 |
| 37 | 7 | 316 | A86 | C35-C34-C33 | 4.44 | 117.86 | 109.89 |
| 30 | A | 837 | CLA | C3D-C2D-C1D | -4.44 | 99.78 | 105.83 |
| 37 | 12 | 316 | A86 | C40-C32-C31 | -4.43 | 106.50 | 110.47 |
| 38 | 10 | 310 | KC1 | C4B-C3B-C2B | -4.43 | 102.97 | 106.81 |
| 38 | 9 | 310 | KC1 | C2A-C1A-NA | 4.43 | 116.44 | 109.34 |
| 39 | 3 | 316 | DD6 | C37-C36-C35 | -4.43 | 106.27 | 114.42 |
| 30 | 8 | 301 | CLA | O2D-CGD-CBD | 4.43 | 118.98 | 111.23 |
| 30 | 14 | 313 | CLA | C2C-C1C-NC | 4.43 | 114.64 | 109.98 |
| 30 | 15 | 309 | CLA | CHD-C1D-ND | -4.43 | 118.56 | 124.80 |
| 38 | 12 | 313 | KC1 | CHC-C1C-C2C | -4.43 | 118.03 | 125.03 |
| 30 | 1 | 304 | CLA | C3D-C2D-C1D | -4.43 | 99.78 | 105.83 |
| 30 | 10 | 303 | CLA | C2C-C1C-NC | 4.43 | 114.64 | 109.98 |
| 38 | 5 | 312 | KC1 | CHC-C1C-C2C | -4.43 | 118.04 | 125.03 |
| 30 | 7 | 310 | CLA | C3D-C2D-C1D | -4.43 | 99.79 | 105.83 |
| 30 | 7 | 305 | CLA | C3D-C4D-ND | 4.43 | 117.19 | 109.99 |
| 30 | A | 834 | CLA | C4A-NA-C1A | -4.43 | 104.66 | 106.68 |
| 30 | B | 821 | CLA | C4A-NA-C1A | -4.43 | 104.66 | 106.68 |
| 38 | 12 | 311 | KC1 | C3C-C4C-NC | 4.43 | 114.64 | 109.90 |
| 30 | B | 809 | CLA | C3D-C2D-C1D | -4.43 | 99.79 | 105.83 |
| 30 | 1 | 302 | CLA | C3D-C4D-ND | 4.43 | 117.18 | 109.99 |
| 37 | 10 | 315 | A86 | C40-C32-C31 | -4.43 | 106.51 | 110.47 |
| 30 | B | 810 | CLA | C3D-C2D-C1D | -4.43 | 99.79 | 105.83 |
| 38 | 2 | 306 | KC1 | C1A-NA-C4A | -4.43 | 104.66 | 106.68 |
| 34 | 5 | 317 | LHG | O4-P-O5 | 4.43 | 133.03 | 112.44 |
| 38 | 6 | 311 | KC1 | C2C-C1C-NC | 4.42 | 115.93 | 110.45 |
| 30 | 4 | 304 | CLA | C2C-C1C-NC | 4.42 | 114.63 | 109.98 |
| 30 | 1 | 303 | CLA | O2D-CGD-CBD | 4.42 | 118.96 | 111.23 |
| 30 | 15 | 307 | CLA | C3D-C2D-C1D | -4.42 | 99.80 | 105.83 |
| 37 | 16 | 312 | A86 | C8-C6-C5 | 4.42 | 125.96 | 119.01 |
| 30 | 3 | 309 | CLA | C3D-C4D-ND | 4.42 | 117.17 | 109.99 |
| 37 | 10 | 302 | A86 | C7-C6-C5 | -4.42 | 115.66 | 122.82 |
| 30 | 7 | 310 | CLA | C3D-C4D-ND | 4.42 | 117.17 | 109.99 |
| 38 | 13 | 312 | KC1 | C3C-C4C-NC | 4.42 | 114.63 | 109.90 |
| 30 | 12 | 304 | CLA | C3D-C4D-ND | 4.42 | 117.17 | 109.99 |
| 30 | 4 | 305 | CLA | C2C-C1C-NC | 4.42 | 114.62 | 109.98 |
| 30 | B | 828 | CLA | C2D-C1D-ND | 4.42 | 114.50 | 110.13 |
| 30 | 1 | 307 | CLA | C3D-C2D-C1D | -4.41 | 99.81 | 105.83 |
| 30 | 14 | 309 | CLA | C3D-C2D-C1D | -4.41 | 99.81 | 105.83 |
| 30 | A | 804 | CLA | C2C-C1C-NC | 4.41 | 114.62 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 311 | KC1 | CHC-C1C-C2C | -4.41 | 118.06 | 125.03 |
| 37 | 14 | 301 | A86 | C3-C2-C1 | -4.41 | 121.09 | 127.28 |
| 38 | 12 | 311 | KC1 | CHC-C1C-C2C | -4.41 | 118.06 | 125.03 |
| 34 | A | 852 | LHG | O4-P-O5 | 4.41 | 132.96 | 112.44 |
| 30 | B | 806 | CLA | C4A-NA-C1A | -4.41 | 104.67 | 106.68 |
| 30 | B | 824 | CLA | C2C-C1C-NC | 4.41 | 114.61 | 109.98 |
| 30 | 4 | 311 | CLA | O2D-CGD-CBD | 4.40 | 118.93 | 111.23 |
| 30 | B | 827 | CLA | C4A-NA-C1A | -4.40 | 104.67 | 106.68 |
| 30 | 2 | 310 | CLA | C3D-C2D-C1D | -4.40 | 99.82 | 105.83 |
| 30 | B | 831 | CLA | C3D-C4D-ND | 4.40 | 117.14 | 109.99 |
| 30 | 14 | 310 | CLA | CHD-C1D-ND | -4.40 | 118.61 | 124.80 |
| 38 | 1 | 306 | KC1 | C2A-C1A-NA | 4.40 | 116.39 | 109.34 |
| 30 | 14 | 302 | CLA | C3D-C2D-C1D | -4.40 | 99.83 | 105.83 |
| 30 | 7 | 303 | CLA | C3D-C4D-ND | 4.40 | 117.14 | 109.99 |
| 37 | 10 | 301 | A86 | C4-C3-C2 | -4.40 | 114.52 | 123.52 |
| 37 | 14 | 320 | A86 | C9-C8-C6 | -4.40 | 114.30 | 126.36 |
| 30 | B | 851 | CLA | C3D-C4D-ND | 4.40 | 117.14 | 109.99 |
| 30 | 1 | 305 | CLA | C4A-NA-C1A | -4.40 | 104.67 | 106.68 |
| 39 | 2 | 315 | DD6 | C21-C20-C19 | -4.40 | 109.30 | 114.24 |
| 30 | A | 824 | CLA | C3D-C4D-ND | 4.39 | 117.13 | 109.99 |
| 30 | 15 | 304 | CLA | C3D-C4D-ND | 4.39 | 117.13 | 109.99 |
| 38 | 2 | 314 | KC1 | C2A-C1A-NA | 4.39 | 116.38 | 109.34 |
| 37 | 7 | 316 | A86 | C4-C5-C6 | -4.39 | 121.12 | 127.28 |
| 30 | 3 | 310 | CLA | C1C-C2C-C3C | -4.39 | 102.36 | 106.98 |
| 30 | 15 | 309 | CLA | C3D-C4D-ND | 4.39 | 117.12 | 109.99 |
| 30 | 11 | 308 | CLA | C3D-C4D-ND | 4.39 | 117.12 | 109.99 |
| 39 | 3 | 316 | DD6 | C21-C20-C19 | -4.39 | 109.31 | 114.24 |
| 30 | 13 | 309 | CLA | CHD-C1D-ND | -4.39 | 118.63 | 124.80 |
| 38 | 5 | 310 | KC1 | C2A-C1A-NA | 4.39 | 116.37 | 109.34 |
| 30 | 14 | 304 | CLA | CHD-C1D-ND | -4.39 | 118.63 | 124.80 |
| 30 | 16 | 303 | CLA | CHD-C1D-ND | -4.38 | 118.63 | 124.80 |
| 30 | A | 828 | CLA | C3C-C4C-NC | 4.38 | 116.05 | 110.43 |
| 30 | B | 810 | CLA | C4A-NA-C1A | -4.38 | 104.68 | 106.68 |
| 38 | 1 | 306 | KC1 | CHC-C1C-C2C | -4.38 | 118.11 | 125.03 |
| 30 | 3 | 303 | CLA | C3D-C4D-ND | 4.38 | 117.11 | 109.99 |
| 30 | 3 | 307 | CLA | C3D-C4D-ND | 4.38 | 117.11 | 109.99 |
| 38 | 12 | 309 | KC1 | CHC-C1C-C2C | -4.38 | 118.11 | 125.03 |
| 37 | 14 | 315 | A86 | C10-C9-C8 | -4.38 | 110.51 | 123.20 |
| 30 | 14 | 303 | CLA | C3D-C2D-C1D | -4.38 | 99.86 | 105.83 |
| 30 | 4 | 302 | CLA | C2C-C1C-NC | 4.38 | 114.58 | 109.98 |
| 30 | 5 | 302 | CLA | C4A-NA-C1A | -4.38 | 104.68 | 106.68 |
| 30 | 10 | 311 | CLA | C2C-C1C-NC | 4.38 | 114.58 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 2 | 311 | CLA | C2C-C1C-NC | 4.38 | 114.58 | 109.98 |
| 30 | 7 | 303 | CLA | C4A-NA-C1A | -4.38 | 104.68 | 106.68 |
| 30 | 14 | 310 | CLA | C3D-C4D-ND | 4.37 | 117.10 | 109.99 |
| 38 | 9 | 304 | KC1 | C3C-C4C-NC | 4.37 | 114.59 | 109.90 |
| 30 | J | 101 | CLA | O2D-CGD-CBD | 4.37 | 118.88 | 111.23 |
| 38 | 5 | 310 | KC1 | CHC-C1C-C2C | -4.37 | 118.12 | 125.03 |
| 39 | 4 | 313 | DD6 | C7-C6-C8 | -4.37 | 111.41 | 118.09 |
| 38 | 2 | 314 | KC1 | CHC-C1C-C2C | -4.37 | 118.12 | 125.03 |
| 30 | B | 831 | CLA | C4A-NA-C1A | -4.37 | 104.68 | 106.68 |
| 38 | 8 | 312 | KC1 | O2D-CGD-CBD | 4.37 | 118.87 | 111.23 |
| 30 | 8 | 309 | CLA | C3D-C2D-C1D | -4.37 | 99.87 | 105.83 |
| 38 | 1 | 308 | KC1 | C2A-C1A-NA | 4.37 | 116.34 | 109.34 |
| 38 | 1 | 306 | KC1 | C4B-C3B-C2B | -4.37 | 103.02 | 106.81 |
| 29 | A | 801 | CL0 | C1C-C2C-C3C | -4.37 | 102.39 | 106.98 |
| 30 | 14 | 312 | CLA | O2D-CGD-CBD | 4.37 | 118.87 | 111.23 |
| 38 | 6 | 312 | KC1 | C2A-C1A-NA | 4.37 | 116.34 | 109.34 |
| 37 | 14 | 317 | A86 | C12-C11-C13 | 4.37 | 123.08 | 116.00 |
| 37 | 10 | 316 | A86 | C40-C32-C31 | -4.37 | 106.56 | 110.47 |
| 30 | B | 814 | CLA | C3D-C4D-ND | 4.37 | 117.09 | 109.99 |
| 38 | 11 | 312 | KC1 | CMA-C3A-C2A | -4.37 | 117.86 | 128.43 |
| 38 | 8 | 307 | KC1 | C2A-C1A-NA | 4.37 | 116.34 | 109.34 |
| 30 | 13 | 307 | CLA | C3D-C2D-C1D | -4.37 | 99.87 | 105.83 |
| 30 | 12 | 304 | CLA | CHD-C1D-ND | -4.37 | 118.66 | 124.80 |
| 30 | 3 | 307 | CLA | C3D-C2D-C1D | -4.37 | 99.87 | 105.83 |
| 38 | 11 | 305 | KC1 | C2A-C1A-NA | 4.37 | 116.34 | 109.34 |
| 30 | L | 202 | CLA | C2C-C1C-NC | 4.37 | 114.57 | 109.98 |
| 38 | 8 | 312 | KC1 | CMA-C3A-C4A | -4.36 | 118.21 | 125.03 |
| 30 | 9 | 302 | CLA | C3D-C4D-ND | 4.36 | 117.08 | 109.99 |
| 30 | A | 842 | CLA | C2C-C1C-NC | 4.36 | 114.56 | 109.98 |
| 30 | 15 | 313 | CLA | C3D-C4D-ND | 4.36 | 117.08 | 109.99 |
| 30 | A | 844 | CLA | C3D-C4D-ND | 4.36 | 117.08 | 109.99 |
| 30 | 2u | 202 | CLA | C3D-C4D-ND | 4.36 | 117.08 | 109.99 |
| 38 | 11 | 312 | KC1 | C4B-C3B-C2B | -4.36 | 103.03 | 106.81 |
| 30 | F | 201 | CLA | C3C-C4C-NC | 4.36 | 116.02 | 110.43 |
| 30 | 2 | 309 | CLA | C3D-C4D-ND | 4.36 | 117.08 | 109.99 |
| 30 | 11 | 309 | CLA | C4A-NA-C1A | -4.36 | 104.69 | 106.68 |
| 39 | 13 | 314 | DD6 | C15-C14-C13 | 4.36 | 135.21 | 125.99 |
| 30 | A | 830 | CLA | C3C-C4C-NC | 4.36 | 116.01 | 110.43 |
| 39 | 2 | 315 | DD6 | O1-C15-C14 | -4.36 | 104.40 | 116.88 |
| 30 | B | 802 | CLA | CMD-C2D-C1D | 4.36 | 132.40 | 124.73 |
| 37 | 15 | 320 | A86 | C41-C32-C31 | -4.35 | 106.58 | 110.47 |
| 37 | 2 | 319 | A86 | C26-C25-C24 | -4.35 | 110.58 | 123.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 844 | CLA | O2D-CGD-CBD | 4.35 | 118.84 | 111.23 |
| 38 | 6 | 308 | KC1 | CMD-C2D-C1D | 4.35 | 134.83 | 128.46 |
| 30 | 10 | 307 | CLA | O2D-CGD-CBD | 4.35 | 118.84 | 111.23 |
| 30 | 14 | 304 | CLA | C3D-C4D-ND | 4.35 | 117.06 | 109.99 |
| 38 | 9 | 304 | KC1 | CHC-C1C-C2C | -4.35 | 118.16 | 125.03 |
| 30 | B | 828 | CLA | C4A-NA-C1A | -4.35 | 104.69 | 106.68 |
| 30 | A | 833 | CLA | O2D-CGD-CBD | 4.35 | 118.84 | 111.23 |
| 30 | 10 | 308 | CLA | C3D-C2D-C1D | -4.35 | 99.89 | 105.83 |
| 30 | B | 823 | CLA | C3D-C2D-C1D | -4.35 | 99.90 | 105.83 |
| 30 | A | 812 | CLA | C3D-C4D-ND | 4.35 | 117.06 | 109.99 |
| 30 | 15 | 304 | CLA | CHD-C1D-ND | -4.35 | 118.68 | 124.80 |
| 30 | B | 816 | CLA | CHD-C1D-ND | -4.35 | 118.69 | 124.80 |
| 38 | 2 | 306 | KC1 | C3C-C4C-NC | 4.34 | 114.56 | 109.90 |
| 30 | 4 | 306 | CLA | C2C-C1C-NC | 4.34 | 114.55 | 109.98 |
| 30 | 13 | 301 | CLA | C3D-C4D-ND | 4.34 | 117.05 | 109.99 |
| 30 | 13 | 304 | CLA | CHD-C1D-ND | -4.34 | 118.69 | 124.80 |
| 30 | 11 | 310 | CLA | C3D-C4D-ND | 4.34 | 117.05 | 109.99 |
| 30 | A | 803 | CLA | CMB-C2B-C3B | 4.34 | 133.36 | 124.68 |
| 30 | 6 | 317 | CLA | C3D-C4D-ND | 4.34 | 117.04 | 109.99 |
| 30 | 8 | 301 | CLA | C3D-C4D-ND | 4.34 | 117.04 | 109.99 |
| 38 | 8 | 314 | KC1 | O2D-CGD-O1D | -4.34 | 115.40 | 123.85 |
| 37 | 9 | 313 | A86 | C21-C20-C15 | -4.34 | 109.34 | 123.35 |
| 38 | 1 | 306 | KC1 | CHD-C4C-C3C | -4.34 | 117.23 | 125.23 |
| 30 | 8 | 304 | CLA | C4A-NA-C1A | -4.34 | 104.70 | 106.68 |
| 30 | A | 835 | CLA | CHD-C1D-ND | -4.34 | 118.70 | 124.80 |
| 37 | 14 | 320 | A86 | C25-C24-C1 | -4.34 | 114.47 | 126.36 |
| 30 | 12 | 308 | CLA | C3D-C4D-ND | 4.34 | 117.04 | 109.99 |
| 34 | A | 853 | LHG | O4-P-O5 | 4.34 | 132.61 | 112.44 |
| 30 | 6 | 305 | CLA | O2D-CGD-CBD | 4.34 | 118.81 | 111.23 |
| 30 | 10 | 311 | CLA | C3D-C4D-ND | 4.33 | 117.03 | 109.99 |
| 30 | A | 834 | CLA | O2D-CGD-CBD | 4.33 | 118.81 | 111.23 |
| 30 | 14 | 313 | CLA | CHD-C1D-ND | -4.33 | 118.70 | 124.80 |
| 30 | B | 839 | CLA | C2C-C1C-NC | 4.33 | 114.53 | 109.98 |
| 30 | 3 | 306 | CLA | CHD-C1D-ND | -4.33 | 118.71 | 124.80 |
| 38 | 3 | 308 | KC1 | CBA-CAA-C2A | -4.33 | 108.07 | 125.45 |
| 30 | 10 | 303 | CLA | O2D-CGD-CBD | 4.33 | 118.80 | 111.23 |
| 38 | 13 | 312 | KC1 | CHC-C1C-C2C | -4.33 | 118.19 | 125.03 |
| 37 | 9 | 315 | A86 | C33-C32-C31 | 4.33 | 113.42 | 109.21 |
| 30 | 6 | 304 | CLA | CHD-C1D-ND | -4.33 | 118.71 | 124.80 |
| 30 | 2 | 313 | CLA | C3D-C4D-ND | 4.33 | 117.02 | 109.99 |
| 30 | 14 | 312 | CLA | C3D-C4D-ND | 4.33 | 117.02 | 109.99 |
| 38 | 5 | 305 | KC1 | CHC-C1C-C2C | -4.33 | 118.19 | 125.03 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | F | 201 | CLA | C3D-C2D-C1D | -4.33 | 99.93 | 105.83 |
| 30 | 6 | 306 | CLA | C2C-C1C-NC | 4.33 | 114.53 | 109.98 |
| 30 | 6 | 309 | CLA | C3D-C2D-C1D | -4.32 | 99.93 | 105.83 |
| 38 | 14 | 306 | KC1 | CHC-C1C-C2C | -4.32 | 118.20 | 125.03 |
| 30 | 1 | 303 | CLA | C3D-C4D-ND | 4.32 | 117.02 | 109.99 |
| 30 | A | 823 | CLA | C3D-C4D-ND | 4.32 | 117.02 | 109.99 |
| 30 | B | 828 | CLA | C3D-C4D-ND | 4.32 | 117.02 | 109.99 |
| 38 | 11 | 305 | KC1 | CHC-C1C-C2C | -4.32 | 118.20 | 125.03 |
| 30 | 16 | 301 | CLA | O2D-CGD-CBD | 4.32 | 118.79 | 111.23 |
| 39 | 12 | 317 | DD6 | O1-C20-C21 | -4.32 | 110.22 | 115.05 |
| 30 | B | 827 | CLA | O2D-CGD-CBD | 4.32 | 118.78 | 111.23 |
| 30 | 8 | 302 | CLA | O2D-CGD-CBD | 4.32 | 118.78 | 111.23 |
| 30 | 6 | 316 | CLA | C3D-C2D-C1D | -4.32 | 99.93 | 105.83 |
| 39 | 2 | 315 | DD6 | C25-C24-C1 | -4.32 | 114.52 | 126.36 |
| 38 | 9 | 312 | KC1 | C2A-C1A-NA | 4.32 | 116.26 | 109.34 |
| 30 | 9 | 303 | CLA | C3D-C4D-ND | 4.32 | 117.01 | 109.99 |
| 38 | 10 | 312 | KC1 | C3C-C4C-NC | 4.32 | 114.53 | 109.90 |
| 30 | B | 835 | CLA | C3D-C4D-ND | 4.32 | 117.00 | 109.99 |
| 30 | 4 | 305 | CLA | C3D-C4D-ND | 4.32 | 117.00 | 109.99 |
| 30 | 16 | 307 | CLA | C3D-C4D-ND | 4.32 | 117.00 | 109.99 |
| 30 | 15 | 312 | CLA | C3D-C2D-C1D | -4.32 | 99.94 | 105.83 |
| 30 | 7 | 310 | CLA | O2D-CGD-CBD | 4.32 | 118.78 | 111.23 |
| 30 | B | 851 | CLA | C4A-NA-C1A | -4.32 | 104.71 | 106.68 |
| 38 | 10 | 306 | KC1 | CHC-C1C-C2C | -4.32 | 118.22 | 125.03 |
| 30 | A | 827 | CLA | C2C-C1C-NC | 4.31 | 114.51 | 109.98 |
| 38 | 13 | 310 | KC1 | C1A-NA-C4A | -4.31 | 104.71 | 106.68 |
| 30 | 5 | 304 | CLA | C3D-C4D-ND | 4.31 | 117.00 | 109.99 |
| 30 | 10 | 309 | CLA | C3D-C4D-ND | 4.31 | 117.00 | 109.99 |
| 30 | A | 838 | CLA | C1D-CHD-C4C | -4.31 | 116.85 | 126.02 |
| 30 | 8 | 305 | CLA | C2C-C1C-NC | 4.31 | 114.51 | 109.98 |
| 30 | 11 | 306 | CLA | C3D-C4D-ND | 4.31 | 117.00 | 109.99 |
| 30 | 9 | 309 | CLA | C3D-C2D-C1D | -4.31 | 99.95 | 105.83 |
| 30 | B | 835 | CLA | C2C-C1C-NC | 4.31 | 114.51 | 109.98 |
| 38 | 11 | 311 | KC1 | CHC-C1C-C2C | -4.31 | 118.22 | 125.03 |
| 30 | 1 | 303 | CLA | CHD-C1D-ND | -4.31 | 118.74 | 124.80 |
| 30 | A | 818 | CLA | C3D-C4D-ND | 4.31 | 116.99 | 109.99 |
| 38 | 6 | 308 | KC1 | C1A-NA-C4A | -4.31 | 104.71 | 106.68 |
| 37 | 15 | 320 | A86 | C9-C10-C11 | -4.31 | 114.46 | 126.64 |
| 30 | A | 819 | CLA | O2D-CGD-CBD | 4.31 | 118.76 | 111.23 |
| 30 | 8 | 309 | CLA | C3D-C4D-ND | 4.31 | 116.99 | 109.99 |
| 30 | B | 801 | CLA | C3D-C2D-C1D | -4.31 | 99.95 | 105.83 |
| 30 | B | 830 | CLA | C2C-C1C-NC | 4.31 | 114.51 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 5 | 302 | CLA | C3D-C2D-C1D | -4.31 | 99.95 | 105.83 |
| 30 | 15 | 312 | CLA | C1C-C2C-C3C | -4.30 | 102.45 | 106.98 |
| 39 | 15 | 318 | DD6 | O1-C20-C21 | -4.30 | 110.24 | 115.05 |
| 30 | 5 | 304 | CLA | C3D-C2D-C1D | -4.30 | 99.96 | 105.83 |
| 30 | B | 822 | CLA | CAA-CBA-CGA | -4.30 | 100.99 | 113.21 |
| 30 | 14 | 304 | CLA | C4A-NA-C1A | -4.30 | 104.72 | 106.68 |
| 30 | L | 203 | CLA | C3D-C4D-ND | 4.30 | 116.98 | 109.99 |
| 30 | 12 | 308 | CLA | C3D-C2D-C1D | -4.30 | 99.96 | 105.83 |
| 30 | A | 816 | CLA | C3D-C4D-ND | 4.30 | 116.98 | 109.99 |
| 30 | B | 806 | CLA | C2C-C1C-NC | 4.30 | 114.50 | 109.98 |
| 38 | 13 | 312 | KC1 | C1A-NA-C4A | -4.30 | 104.72 | 106.68 |
| 30 | B | 831 | CLA | CHD-C1D-ND | -4.30 | 118.75 | 124.80 |
| 30 | B | 825 | CLA | C2C-C1C-NC | 4.30 | 114.50 | 109.98 |
| 30 | 4 | 311 | CLA | CHD-C1D-ND | -4.30 | 118.75 | 124.80 |
| 37 | 14 | 314 | A86 | C4-C3-C2 | -4.30 | 114.72 | 123.52 |
| 30 | 13 | 303 | CLA | CHD-C1D-ND | -4.30 | 118.75 | 124.80 |
| 37 | 9 | 313 | A86 | C25-C24-C1 | -4.30 | 114.58 | 126.36 |
| 30 | 3 | 303 | CLA | C3D-C2D-C1D | -4.30 | 99.97 | 105.83 |
| 30 | A | 812 | CLA | O2D-CGD-CBD | 4.30 | 118.74 | 111.23 |
| 38 | 9 | 312 | KC1 | O2D-CGD-CBD | 4.29 | 118.74 | 111.23 |
| 30 | 5 | 307 | CLA | C3B-C4B-NB | 4.29 | 114.76 | 109.21 |
| 30 | B | 824 | CLA | C3D-C4D-ND | 4.29 | 116.97 | 109.99 |
| 38 | 16 | 304 | KC1 | C1A-NA-C4A | -4.29 | 104.72 | 106.68 |
| 30 | 3 | 310 | CLA | C3D-C4D-ND | 4.29 | 116.97 | 109.99 |
| 30 | B | 829 | CLA | C3D-C4D-ND | 4.29 | 116.96 | 109.99 |
| 38 | 11 | 311 | KC1 | C1A-NA-C4A | -4.29 | 104.72 | 106.68 |
| 39 | 7 | 302 | DD6 | C-C1-C24 | -4.29 | 111.53 | 118.09 |
| 30 | A | 843 | CLA | C3D-C4D-ND | 4.29 | 116.96 | 109.99 |
| 37 | 10 | 317 | A86 | C25-C26-C27 | -4.29 | 121.26 | 127.28 |
| 38 | 5 | 312 | KC1 | O2D-CGD-CBD | 4.29 | 118.73 | 111.23 |
| 30 | 16 | 307 | CLA | C3D-C2D-C1D | -4.29 | 99.98 | 105.83 |
| 39 | 7 | 302 | DD6 | C7-C6-C8 | -4.29 | 111.53 | 118.09 |
| 38 | 3 | 311 | KC1 | C2A-C1A-NA | 4.29 | 116.21 | 109.34 |
| 30 | 16 | 309 | CLA | C3D-C4D-ND | 4.29 | 116.96 | 109.99 |
| 30 | 13 | 309 | CLA | O2D-CGD-CBD | 4.29 | 118.73 | 111.23 |
| 30 | 14 | 303 | CLA | C3D-C4D-ND | 4.29 | 116.96 | 109.99 |
| 30 | A | 828 | CLA | C4C-C3C-C2C | -4.28 | 100.65 | 106.89 |
| 30 | 6 | 306 | CLA | C3D-C4D-ND | 4.28 | 116.95 | 109.99 |
| 39 | 7 | 317 | DD6 | C15-C14-C13 | 4.28 | 135.05 | 125.99 |
| 38 | 2 | 312 | KC1 | O2D-CGD-CBD | 4.28 | 118.72 | 111.23 |
| 38 | 7 | 308 | KC1 | O2D-CGD-CBD | 4.28 | 118.72 | 111.23 |
| 30 | A | 821 | CLA | C1-C2-C3 | -4.28 | 119.18 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 12 | 316 | A86 | C10-C9-C8 | -4.28 | 110.79 | 123.20 |
| 30 | 2 | 305 | CLA | C3D-C4D-ND | 4.28 | 116.95 | 109.99 |
| 30 | 4 | 304 | CLA | C3D-C4D-ND | 4.28 | 116.95 | 109.99 |
| 37 | 13 | 313 | A86 | C9-C10-C11 | -4.28 | 114.54 | 126.64 |
| 30 | F | 201 | CLA | C3D-C4D-ND | 4.28 | 116.95 | 109.99 |
| 38 | 7 | 308 | KC1 | CHC-C1C-C2C | -4.28 | 118.27 | 125.03 |
| 30 | 14 | 302 | CLA | C4A-NA-C1A | -4.28 | 104.73 | 106.68 |
| 37 | 15 | 316 | A86 | C9-C8-C6 | -4.28 | 114.63 | 126.36 |
| 37 | 4 | 314 | A86 | C25-C26-C27 | -4.28 | 121.28 | 127.28 |
| 39 | 6 | 319 | DD6 | O1-C15-C14 | -4.28 | 104.62 | 116.88 |
| 38 | 13 | 308 | KC1 | CBA-CAA-C2A | -4.28 | 108.28 | 125.45 |
| 38 | 5 | 305 | KC1 | C2A-C1A-NA | 4.28 | 116.19 | 109.34 |
| 30 | 12 | 312 | CLA | C3D-C4D-ND | 4.28 | 116.94 | 109.99 |
| 30 | 16 | 309 | CLA | C4A-NA-C1A | -4.27 | 104.73 | 106.68 |
| 30 | 5 | 308 | CLA | C3D-C4D-ND | 4.27 | 116.93 | 109.99 |
| 30 | B | 822 | CLA | C2C-C1C-NC | 4.27 | 114.47 | 109.98 |
| 30 | B | 814 | CLA | C1D-CHD-C4C | -4.27 | 116.94 | 126.02 |
| 30 | 16 | 301 | CLA | C3D-C4D-ND | 4.27 | 116.93 | 109.99 |
| 30 | 15 | 310 | CLA | C4A-NA-C1A | -4.27 | 104.73 | 106.68 |
| 38 | 8 | 312 | KC1 | C2B-C1B-NB | 4.27 | 114.35 | 110.13 |
| 38 | 16 | 304 | KC1 | CHD-C4C-C3C | -4.27 | 117.35 | 125.23 |
| 30 | 2 | 310 | CLA | C3D-C4D-ND | 4.27 | 116.93 | 109.99 |
| 30 | 7 | 309 | CLA | C1D-CHD-C4C | -4.27 | 116.94 | 126.02 |
| 30 | 7 | 307 | CLA | O2D-CGD-CBD | 4.27 | 118.69 | 111.23 |
| 38 | 9 | 304 | KC1 | O2D-CGD-CBD | 4.27 | 118.69 | 111.23 |
| 39 | 6 | 303 | DD6 | C21-C20-C15 | -4.27 | 115.28 | 122.30 |
| 30 | 10 | 308 | CLA | O2D-CGD-CBD | 4.27 | 118.69 | 111.23 |
| 38 | 13 | 312 | KC1 | C2A-C1A-NA | 4.27 | 116.18 | 109.34 |
| 30 | B | 839 | CLA | C3D-C4D-ND | 4.27 | 116.93 | 109.99 |
| 30 | 14 | 302 | CLA | CHD-C1D-ND | -4.27 | 118.80 | 124.80 |
| 30 | A | 830 | CLA | C3D-C4D-ND | 4.27 | 116.92 | 109.99 |
| 30 | B | 817 | CLA | CHD-C1D-ND | -4.27 | 118.80 | 124.80 |
| 39 | 5 | 313 | DD6 | O1-C15-C14 | -4.27 | 104.65 | 116.88 |
| 30 | B | 834 | CLA | C3C-C4C-NC | 4.27 | 115.89 | 110.43 |
| 38 | 4 | 310 | KC1 | CHC-C1C-C2C | -4.27 | 118.29 | 125.03 |
| 30 | 1 | 305 | CLA | O2D-CGD-CBD | 4.27 | 118.69 | 111.23 |
| 37 | 1 | 309 | A86 | C25-C26-C27 | -4.27 | 121.30 | 127.28 |
| 30 | 15 | 307 | CLA | CAA-C2A-C3A | -4.26 | 101.48 | 113.00 |
| 30 | 10 | 308 | CLA | CHD-C1D-ND | -4.26 | 118.80 | 124.80 |
| 38 | 14 | 308 | KC1 | C2C-C1C-NC | 4.26 | 115.72 | 110.45 |
| 30 | B | 810 | CLA | C1D-CHD-C4C | -4.26 | 116.97 | 126.02 |
| 38 | 6 | 312 | KC1 | C1A-NA-C4A | -4.26 | 104.74 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 310 | CLA | CHD-C1D-ND | -4.26 | 118.81 | 124.80 |
| 30 | 15 | 310 | CLA | C3D-C4D-ND | 4.26 | 116.91 | 109.99 |
| 30 | 15 | 311 | CLA | C3D-C4D-ND | 4.26 | 116.91 | 109.99 |
| 30 | 3 | 309 | CLA | CHD-C1D-ND | -4.26 | 118.81 | 124.80 |
| 30 | 15 | 303 | CLA | CHD-C1D-ND | -4.26 | 118.81 | 124.80 |
| 30 | B | 832 | CLA | CHD-C1D-ND | -4.26 | 118.81 | 124.80 |
| 37 | 14 | 319 | A86 | C36-C31-C32 | -4.25 | 115.47 | 119.70 |
| 30 | A | 808 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 30 | A | 811 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 30 | A | 833 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 30 | 3 | 301 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 30 | B | 820 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 38 | 1 | 308 | KC1 | CHC-C1C-C2C | -4.25 | 118.31 | 125.03 |
| 38 | 13 | 308 | KC1 | C2A-C1A-NA | 4.25 | 116.16 | 109.34 |
| 30 | 2 | 307 | CLA | C3D-C2D-C1D | -4.25 | 100.03 | 105.83 |
| 30 | 4 | 311 | CLA | C3D-C4D-ND | 4.25 | 116.90 | 109.99 |
| 37 | 15 | 322 | A86 | C9-C8-C6 | -4.25 | 114.71 | 126.36 |
| 30 | B | 828 | CLA | CMB-C2B-C3B | 4.25 | 133.17 | 124.68 |
| 39 | 7 | 318 | DD6 | C15-C14-C13 | 4.25 | 134.97 | 125.99 |
| 30 | B | 820 | CLA | CBC-CAC-C3C | -4.25 | 100.91 | 112.42 |
| 38 | 3 | 308 | KC1 | C2C-C1C-NC | 4.25 | 115.70 | 110.45 |
| 37 | 7 | 316 | A86 | C26-C25-C24 | -4.25 | 110.90 | 123.20 |
| 30 | B | 815 | CLA | C1D-CHD-C4C | -4.24 | 117.00 | 126.02 |
| 30 | A | 836 | CLA | C3D-C2D-C1D | -4.24 | 100.04 | 105.83 |
| 30 | B | 809 | CLA | C1C-C2C-C3C | -4.24 | 102.52 | 106.98 |
| 37 | 12 | 314 | A86 | C4-C3-C2 | -4.24 | 114.84 | 123.52 |
| 38 | 2 | 306 | KC1 | CHC-C1C-C2C | -4.24 | 118.33 | 125.03 |
| 30 | A | 812 | CLA | CAA-C2A-C3A | -4.24 | 101.54 | 113.00 |
| 37 | 11 | 301 | A86 | C36-C31-C32 | -4.24 | 115.49 | 119.70 |
| 30 | A | 821 | CLA | C1C-C2C-C3C | -4.24 | 102.52 | 106.98 |
| 30 | B | 813 | CLA | C3C-C4C-NC | 4.24 | 115.86 | 110.43 |
| 30 | 4 | 306 | CLA | C3D-C4D-ND | 4.24 | 116.88 | 109.99 |
| 30 | 10 | 303 | CLA | C3D-C4D-ND | 4.24 | 116.88 | 109.99 |
| 29 | A | 801 | CL0 | C3D-C2D-C1D | -4.24 | 100.04 | 105.83 |
| 30 | 9 | 306 | CLA | CHD-C1D-ND | -4.24 | 118.83 | 124.80 |
| 30 | 6 | 314 | CLA | C3D-C2D-C1D | -4.24 | 100.05 | 105.83 |
| 39 | 12 | 315 | DD6 | O1-C15-C14 | -4.24 | 104.73 | 116.88 |
| 38 | 7 | 313 | KC1 | C2A-C1A-NA | 4.24 | 116.13 | 109.34 |
| 30 | A | 843 | CLA | C3D-C2D-C1D | -4.24 | 100.05 | 105.83 |
| 30 | 6 | 304 | CLA | C3D-C4D-ND | 4.24 | 116.88 | 109.99 |
| 38 | 4 | 307 | KC1 | CHD-C4C-C3C | -4.24 | 117.41 | 125.23 |
| 30 | 14 | 305 | CLA | CHD-C1D-ND | -4.24 | 118.84 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 6 | 318 | DD6 | C15-C14-C13 | -4.24 | 117.04 | 125.99 |
| 30 | 15 | 307 | CLA | C1C-C2C-C3C | -4.24 | 102.53 | 106.98 |
| 30 | 16 | 308 | CLA | C3D-C4D-ND | 4.23 | 116.87 | 109.99 |
| 30 | 7 | 311 | CLA | C4A-NA-C1A | -4.23 | 104.75 | 106.68 |
| 39 | 3 | 316 | DD6 | C35-C36-C31 | -4.23 | 111.69 | 120.50 |
| 39 | 2 | 317 | DD6 | C15-C14-C13 | 4.23 | 134.94 | 125.99 |
| 30 | 7 | 305 | CLA | CHD-C1D-ND | -4.23 | 118.85 | 124.80 |
| 38 | 7 | 313 | KC1 | C3C-C4C-NC | 4.23 | 114.43 | 109.90 |
| 38 | 1 | 308 | KC1 | C4B-C3B-C2B | -4.23 | 103.14 | 106.81 |
| 38 | 6 | 311 | KC1 | C1C-C2C-C3C | -4.23 | 102.53 | 106.98 |
| 30 | A | 823 | CLA | CHD-C1D-ND | -4.23 | 118.85 | 124.80 |
| 30 | 1 | 305 | CLA | C3D-C4D-ND | 4.23 | 116.86 | 109.99 |
| 30 | 15 | 304 | CLA | C1D-CHD-C4C | -4.23 | 117.03 | 126.02 |
| 30 | 16 | 303 | CLA | CAA-C2A-C3A | -4.23 | 101.57 | 113.00 |
| 30 | 10 | 304 | CLA | O2D-CGD-CBD | 4.23 | 118.62 | 111.23 |
| 38 | 13 | 310 | KC1 | C2A-C1A-NA | 4.23 | 116.12 | 109.34 |
| 38 | 8 | 313 | KC1 | CMD-C2D-C1D | 4.23 | 134.65 | 128.46 |
| 38 | 12 | 311 | KC1 | C2A-C1A-NA | 4.23 | 116.12 | 109.34 |
| 30 | B | 827 | CLA | C3D-C2D-C1D | -4.23 | 100.06 | 105.83 |
| 30 | A | 815 | CLA | CHD-C1D-ND | -4.23 | 118.86 | 124.80 |
| 30 | 2 | 308 | CLA | C3D-C4D-ND | 4.23 | 116.86 | 109.99 |
| 39 | 7 | 302 | DD6 | C35-C36-C31 | -4.23 | 111.71 | 120.50 |
| 34 | B | 848 | LHG | O4-P-O5 | 4.22 | 132.09 | 112.44 |
| 38 | 12 | 311 | KC1 | C1A-NA-C4A | -4.22 | 104.75 | 106.68 |
| 30 | 1 | 301 | CLA | C3D-C4D-ND | 4.22 | 116.85 | 109.99 |
| 30 | 15 | 308 | CLA | C3C-C4C-NC | 4.22 | 115.84 | 110.43 |
| 30 | A | 839 | CLA | CHD-C1D-ND | -4.22 | 118.86 | 124.80 |
| 30 | 5 | 302 | CLA | C3D-C4D-ND | 4.22 | 116.85 | 109.99 |
| 30 | 13 | 302 | CLA | C4A-NA-C1A | -4.22 | 104.75 | 106.68 |
| 38 | 6 | 313 | KC1 | CHC-C1C-C2C | -4.22 | 118.36 | 125.03 |
| 30 | 5 | 302 | CLA | C2C-C1C-NC | 4.22 | 114.42 | 109.98 |
| 30 | 14 | 310 | CLA | C1D-CHD-C4C | -4.22 | 117.05 | 126.02 |
| 30 | 9 | 309 | CLA | C3D-C4D-ND | 4.22 | 116.85 | 109.99 |
| 30 | A | 829 | CLA | C2C-C1C-NC | 4.22 | 114.41 | 109.98 |
| 37 | 8 | 318 | A86 | C33-C32-C31 | 4.22 | 113.31 | 109.21 |
| 37 | 2 | 318 | A86 | C25-C24-C1 | -4.22 | 114.79 | 126.36 |
| 30 | B | 830 | CLA | C3D-C4D-ND | 4.22 | 116.85 | 109.99 |
| 30 | 6 | 317 | CLA | CHD-C1D-ND | -4.22 | 118.86 | 124.80 |
| 39 | 15 | 318 | DD6 | C23-C16-C15 | 4.22 | 121.44 | 110.05 |
| 30 | B | 819 | CLA | O2D-CGD-CBD | 4.22 | 118.61 | 111.23 |
| 30 | A | 842 | CLA | C3D-C4D-ND | 4.22 | 116.84 | 109.99 |
| 38 | 11 | 307 | KC1 | C3C-C4C-NC | 4.22 | 114.42 | 109.90 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 839 | CLA | O2D-CGD-O1D | -4.22 | 115.64 | 123.85 |
| 38 | 8 | 313 | KC1 | C2A-C1A-NA | 4.22 | 116.10 | 109.34 |
| 37 | 14 | 319 | A86 | C41-C32-C31 | -4.22 | 106.70 | 110.47 |
| 30 | B | 837 | CLA | C3D-C4D-ND | 4.22 | 116.84 | 109.99 |
| 30 | A | 840 | CLA | CHD-C1D-ND | -4.21 | 118.87 | 124.80 |
| 38 | 10 | 306 | KC1 | C2A-C1A-NA | 4.21 | 116.09 | 109.34 |
| 38 | 10 | 310 | KC1 | C2C-C1C-NC | 4.21 | 115.67 | 110.45 |
| 30 | F | 203 | CLA | C3D-C4D-ND | 4.21 | 116.84 | 109.99 |
| 30 | A | 834 | CLA | CHD-C1D-ND | -4.21 | 118.87 | 124.80 |
| 30 | A | 811 | CLA | CHD-C1D-ND | -4.21 | 118.87 | 124.80 |
| 30 | B | 824 | CLA | C3D-C2D-C1D | -4.21 | 100.08 | 105.83 |
| 30 | 11 | 310 | CLA | C3D-C2D-C1D | -4.21 | 100.08 | 105.83 |
| 30 | 16 | 308 | CLA | CHD-C1D-ND | -4.21 | 118.88 | 124.80 |
| 39 | 6 | 303 | DD6 | O1-C15-C14 | -4.21 | 104.81 | 116.88 |
| 30 | B | 833 | CLA | C4A-NA-C1A | -4.21 | 104.76 | 106.68 |
| 37 | 10 | 301 | A86 | C36-C31-C32 | -4.21 | 115.52 | 119.70 |
| 30 | A | 804 | CLA | C3D-C4D-ND | 4.21 | 116.83 | 109.99 |
| 30 | A | 839 | CLA | C3D-C4D-ND | 4.21 | 116.83 | 109.99 |
| 37 | 3 | 315 | A86 | C4-C3-C2 | -4.21 | 114.91 | 123.52 |
| 30 | A | 833 | CLA | CHD-C1D-ND | -4.21 | 118.88 | 124.80 |
| 30 | 12 | 310 | CLA | C4A-NA-C1A | -4.21 | 104.76 | 106.68 |
| 37 | 14 | 318 | A86 | C3-C2-C1 | -4.21 | 121.38 | 127.28 |
| 38 | 4 | 310 | KC1 | C2A-C1A-NA | 4.21 | 116.08 | 109.34 |
| 30 | B | 834 | CLA | C1D-CHD-C4C | -4.21 | 117.08 | 126.02 |
| 30 | 16 | 303 | CLA | C2C-C1C-NC | 4.21 | 114.40 | 109.98 |
| 38 | 6 | 312 | KC1 | O2D-CGD-CBD | 4.21 | 118.58 | 111.23 |
| 30 | A | 827 | CLA | C3D-C4D-ND | 4.21 | 116.83 | 109.99 |
| 30 | 11 | 308 | CLA | CHD-C1D-ND | -4.21 | 118.88 | 124.80 |
| 37 | 7 | 315 | A86 | C25-C26-C27 | -4.21 | 121.38 | 127.28 |
| 38 | 9 | 311 | KC1 | CHC-C1C-C2C | -4.21 | 118.39 | 125.03 |
| 30 | A | 822 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 30 | 15 | 312 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 30 | 15 | 306 | CLA | C1D-CHD-C4C | -4.20 | 117.08 | 126.02 |
| 30 | B | 805 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 39 | 4 | 313 | DD6 | C15-C14-C13 | 4.20 | 134.88 | 125.99 |
| 37 | 16 | 312 | A86 | C26-C25-C24 | -4.20 | 111.02 | 123.20 |
| 30 | B | 824 | CLA | CHD-C1D-ND | -4.20 | 118.89 | 124.80 |
| 30 | 6 | 315 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 30 | 12 | 302 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 30 | 14 | 305 | CLA | C3D-C4D-ND | 4.20 | 116.82 | 109.99 |
| 39 | 8 | 316 | DD6 | C23-C16-C17 | -4.20 | 101.59 | 108.97 |
| 30 | 11 | 304 | CLA | C2C-C1C-NC | 4.20 | 114.39 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 301 | CLA | C4A-NA-C1A | -4.20 | 104.76 | 106.68 |
| 38 | 11 | 307 | KC1 | CHD-C4C-C3C | -4.20 | 117.49 | 125.23 |
| 30 | B | 810 | CLA | C3D-C4D-ND | 4.20 | 116.81 | 109.99 |
| 30 | 15 | 307 | CLA | C3D-C4D-ND | 4.20 | 116.81 | 109.99 |
| 38 | 9 | 311 | KC1 | C2A-C1A-NA | 4.20 | 116.07 | 109.34 |
| 39 | 3 | 316 | DD6 | C21-C20-C15 | -4.20 | 115.40 | 122.30 |
| 37 | 15 | 315 | A86 | C41-C32-C31 | -4.20 | 106.72 | 110.47 |
| 38 | 8 | 306 | KC1 | C2A-C1A-NA | 4.20 | 116.06 | 109.34 |
| 30 | 15 | 303 | CLA | C3D-C4D-ND | 4.20 | 116.81 | 109.99 |
| 30 | A | 810 | CLA | CHD-C1D-ND | -4.20 | 118.90 | 124.80 |
| 30 | 9 | 308 | CLA | C3D-C4D-ND | 4.19 | 116.81 | 109.99 |
| 38 | 8 | 306 | KC1 | O2D-CGD-CBD | 4.19 | 118.56 | 111.23 |
| 38 | 5 | 312 | KC1 | C4B-C3B-C2B | -4.19 | 103.18 | 106.81 |
| 37 | 15 | 322 | A86 | C25-C24-C1 | -4.19 | 114.87 | 126.36 |
| 30 | B | 808 | CLA | C3D-C4D-ND | 4.19 | 116.80 | 109.99 |
| 30 | 15 | 303 | CLA | C1D-CHD-C4C | -4.19 | 117.11 | 126.02 |
| 38 | 9 | 311 | KC1 | C1A-NA-C4A | -4.19 | 104.77 | 106.68 |
| 30 | B | 818 | CLA | CHD-C1D-ND | -4.19 | 118.91 | 124.80 |
| 30 | 5 | 311 | CLA | C3D-C4D-ND | 4.19 | 116.80 | 109.99 |
| 30 | 1 | 303 | CLA | C4A-NA-C1A | -4.19 | 104.77 | 106.68 |
| 30 | 8 | 302 | CLA | C3D-C4D-ND | 4.19 | 116.79 | 109.99 |
| 30 | 6 | 310 | CLA | C1C-C2C-C3C | -4.19 | 102.58 | 106.98 |
| 39 | 9 | 314 | DD6 | C37-C36-C35 | -4.19 | 106.72 | 114.42 |
| 30 | J | 101 | CLA | C3D-C2D-C1D | -4.19 | 100.12 | 105.83 |
| 30 | 5 | 307 | CLA | C1D-CHD-C4C | -4.18 | 117.13 | 126.02 |
| 30 | 4 | 311 | CLA | C1C-C2C-C3C | -4.18 | 102.58 | 106.98 |
| 39 | 11 | 313 | DD6 | C13-C11-C10 | -4.18 | 112.43 | 119.01 |
| 30 | B | 818 | CLA | C3D-C4D-ND | 4.18 | 116.79 | 109.99 |
| 38 | 2 | 306 | KC1 | C2A-C1A-NA | 4.18 | 116.04 | 109.34 |
| 30 | 6 | 305 | CLA | C3D-C4D-ND | 4.18 | 116.78 | 109.99 |
| 37 | 7 | 316 | A86 | C41-C32-C31 | -4.18 | 106.73 | 110.47 |
| 30 | 16 | 310 | CLA | C3D-C4D-ND | 4.18 | 116.78 | 109.99 |
| 30 | F | 202 | CLA | C4A-NA-C1A | -4.18 | 104.77 | 106.68 |
| 38 | 6 | 313 | KC1 | C2A-C1A-NA | 4.18 | 116.04 | 109.34 |
| 30 | 2 | 310 | CLA | C1-C2-C3 | -4.18 | 119.35 | 126.20 |
| 30 | 4 | 303 | CLA | C3D-C4D-ND | 4.18 | 116.78 | 109.99 |
| 37 | 14 | 315 | A86 | C36-C31-C32 | -4.18 | 115.55 | 119.70 |
| 30 | B | 819 | CLA | C2D-C1D-ND | 4.18 | 114.26 | 110.13 |
| 30 | 2 | 313 | CLA | CHD-C1D-ND | -4.18 | 118.92 | 124.80 |
| 30 | 11 | 309 | CLA | CHD-C1D-ND | -4.18 | 118.92 | 124.80 |
| 30 | 9 | 301 | CLA | CHD-C1D-ND | -4.18 | 118.92 | 124.80 |
| 30 | 7 | 311 | CLA | C3D-C4D-ND | 4.18 | 116.78 | 109.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 803 | CLA | O2D-CGD-CBD | 4.18 | 118.53 | 111.23 |
| 37 | 15 | 321 | A86 | C4-C5-C6 | -4.17 | 121.42 | 127.28 |
| 30 | 6 | 307 | CLA | C3D-C4D-ND | 4.17 | 116.77 | 109.99 |
| 30 | B | 802 | CLA | C3D-C4D-ND | 4.17 | 116.77 | 109.99 |
| 30 | A | 820 | CLA | CHD-C1D-ND | -4.17 | 118.93 | 124.80 |
| 30 | 2 | 313 | CLA | C4A-NA-C1A | -4.17 | 104.78 | 106.68 |
| 30 | 5 | 309 | CLA | C3D-C4D-ND | 4.17 | 116.77 | 109.99 |
| 39 | 6 | 321 | DD6 | C21-C20-C15 | -4.17 | 115.44 | 122.30 |
| 39 | 7 | 314 | DD6 | C37-C36-C35 | -4.17 | 106.75 | 114.42 |
| 38 | 14 | 306 | KC1 | C4B-C3B-C2B | -4.17 | 103.20 | 106.81 |
| 30 | A | 829 | CLA | CHD-C1D-ND | -4.17 | 118.93 | 124.80 |
| 30 | 13 | 307 | CLA | C3D-C4D-ND | 4.17 | 116.77 | 109.99 |
| 38 | 10 | 306 | KC1 | C1A-NA-C4A | -4.17 | 104.78 | 106.68 |
| 30 | 15 | 305 | CLA | C3D-C4D-ND | 4.17 | 116.76 | 109.99 |
| 30 | B | 851 | CLA | C3D-C2D-C1D | -4.17 | 100.14 | 105.83 |
| 30 | 15 | 302 | CLA | C2C-C1C-NC | 4.17 | 114.36 | 109.98 |
| 39 | 7 | 318 | DD6 | C21-C20-C15 | -4.17 | 115.44 | 122.30 |
| 38 | 12 | 313 | KC1 | C1C-C2C-C3C | -4.17 | 102.60 | 106.98 |
| 30 | 12 | 306 | CLA | C3D-C2D-C1D | -4.17 | 100.15 | 105.83 |
| 30 | B | 819 | CLA | C3D-C4D-ND | 4.16 | 116.76 | 109.99 |
| 30 | 2 | 307 | CLA | CAA-C2A-C3A | -4.16 | 101.75 | 113.00 |
| 38 | 11 | 312 | KC1 | C1C-C2C-C3C | -4.16 | 102.60 | 106.98 |
| 38 | 2 | 312 | KC1 | C2A-C1A-NA | 4.16 | 116.01 | 109.34 |
| 30 | B | 831 | CLA | C1D-CHD-C4C | -4.16 | 117.17 | 126.02 |
| 30 | 12 | 307 | CLA | C1D-CHD-C4C | -4.16 | 117.17 | 126.02 |
| 30 | 13 | 309 | CLA | C3D-C4D-ND | 4.16 | 116.75 | 109.99 |
| 30 | 3 | 303 | CLA | CHD-C1D-ND | -4.16 | 118.95 | 124.80 |
| 30 | 5 | 311 | CLA | C4A-NA-C1A | -4.16 | 104.78 | 106.68 |
| 37 | 4 | 315 | A86 | C36-C31-C32 | -4.16 | 115.57 | 119.70 |
| 30 | B | 801 | CLA | C2C-C1C-NC | 4.16 | 114.35 | 109.98 |
| 30 | 6 | 309 | CLA | C3D-C4D-ND | 4.16 | 116.75 | 109.99 |
| 30 | B | 822 | CLA | CHD-C1D-ND | -4.16 | 118.95 | 124.80 |
| 30 | A | 806 | CLA | CAA-C2A-C3A | -4.16 | 101.76 | 113.00 |
| 30 | 6 | 307 | CLA | O2D-CGD-CBD | 4.16 | 118.50 | 111.23 |
| 37 | 10 | 301 | A86 | C24-C1-C2 | -4.16 | 112.47 | 119.01 |
| 30 | 10 | 305 | CLA | CHD-C1D-ND | -4.15 | 118.95 | 124.80 |
| 30 | 11 | 304 | CLA | CHD-C1D-ND | -4.15 | 118.96 | 124.80 |
| 30 | 6 | 314 | CLA | CBC-CAC-C3C | -4.15 | 101.17 | 112.42 |
| 37 | 15 | 323 | A86 | C25-C24-C1 | -4.15 | 114.98 | 126.36 |
| 30 | 12 | 307 | CLA | C3D-C4D-ND | 4.15 | 116.73 | 109.99 |
| 38 | 4 | 307 | KC1 | C3C-C4C-NC | 4.15 | 114.35 | 109.90 |
| 30 | 7 | 303 | CLA | C2C-C1C-NC | 4.15 | 114.34 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 306 | KC1 | C1C-C2C-C3C | -4.15 | 102.62 | 106.98 |
| 38 | 13 | 306 | KC1 | C4B-C3B-C2B | -4.15 | 103.22 | 106.81 |
| 30 | 9 | 306 | CLA | C3D-C4D-ND | 4.15 | 116.73 | 109.99 |
| 30 | 10 | 303 | CLA | C4A-NA-C1A | -4.15 | 104.79 | 106.68 |
| 30 | B | 808 | CLA | C3D-C2D-C1D | -4.15 | 100.17 | 105.83 |
| 30 | B | 801 | CLA | C3D-C4D-ND | 4.15 | 116.73 | 109.99 |
| 30 | 8 | 308 | CLA | CHD-C1D-ND | -4.14 | 118.97 | 124.80 |
| 30 | 10 | 305 | CLA | C4A-NA-C1A | -4.14 | 104.79 | 106.68 |
| 38 | 12 | 313 | KC1 | C2C-C1C-NC | 4.14 | 115.58 | 110.45 |
| 38 | 11 | 311 | KC1 | C2A-C1A-NA | 4.14 | 115.98 | 109.34 |
| 30 | A | 805 | CLA | C2C-C1C-NC | 4.14 | 114.33 | 109.98 |
| 30 | 4 | 303 | CLA | CHD-C1D-ND | -4.14 | 118.97 | 124.80 |
| 30 | B | 808 | CLA | C1D-CHD-C4C | -4.14 | 117.21 | 126.02 |
| 38 | 3 | 304 | KC1 | C2A-C1A-NA | 4.14 | 115.98 | 109.34 |
| 39 | 5 | 313 | DD6 | C37-C36-C35 | -4.14 | 106.80 | 114.42 |
| 30 | 16 | 310 | CLA | CHD-C1D-ND | -4.14 | 118.97 | 124.80 |
| 38 | 13 | 311 | KC1 | C4B-C3B-C2B | -4.14 | 103.22 | 106.81 |
| 30 | F | 201 | CLA | C1D-CHD-C4C | -4.14 | 117.22 | 126.02 |
| 30 | 12 | 321 | CLA | C3D-C4D-ND | 4.14 | 116.72 | 109.99 |
| 30 | A | 802 | CLA | CHD-C1D-ND | -4.14 | 118.97 | 124.80 |
| 30 | 7 | 304 | CLA | C3D-C4D-ND | 4.14 | 116.72 | 109.99 |
| 38 | 7 | 308 | KC1 | C4B-C3B-C2B | -4.14 | 103.22 | 106.81 |
| 30 | 9 | 306 | CLA | C1C-C2C-C3C | -4.14 | 102.63 | 106.98 |
| 30 | 8 | 301 | CLA | C1-C2-C3 | -4.14 | 119.42 | 126.20 |
| 30 | B | 807 | CLA | CHD-C1D-ND | -4.14 | 118.98 | 124.80 |
| 39 | 5 | 314 | DD6 | O1-C20-C21 | -4.14 | 110.42 | 115.05 |
| 30 | 10 | 309 | CLA | C4A-NA-C1A | -4.14 | 104.79 | 106.68 |
| 30 | 10 | 311 | CLA | C4A-NA-C1A | -4.14 | 104.79 | 106.68 |
| 30 | 7 | 312 | CLA | C3D-C4D-ND | 4.14 | 116.71 | 109.99 |
| 30 | A | 840 | CLA | C1C-C2C-C3C | -4.14 | 102.63 | 106.98 |
| 30 | A | 836 | CLA | C3D-C4D-ND | 4.14 | 116.71 | 109.99 |
| 30 | A | 818 | CLA | C2C-C1C-NC | 4.14 | 114.33 | 109.98 |
| 37 | 14 | 315 | A86 | C12-C11-C13 | 4.14 | 122.71 | 116.00 |
| 30 | 7 | 304 | CLA | O2D-CGD-CBD | 4.13 | 118.45 | 111.23 |
| 37 | 15 | 317 | A86 | C33-C32-C31 | 4.13 | 113.23 | 109.21 |
| 39 | 6 | 318 | DD6 | C7-C6-C8 | -4.13 | 111.78 | 118.09 |
| 38 | 7 | 313 | KC1 | C1A-NA-C4A | -4.13 | 104.79 | 106.68 |
| 30 | A | 844 | CLA | C3D-C2D-C1D | -4.13 | 100.19 | 105.83 |
| 30 | 2 | 301 | CLA | C3D-C4D-ND | 4.13 | 116.70 | 109.99 |
| 30 | A | 838 | CLA | CHD-C1D-ND | -4.13 | 118.99 | 124.80 |
| 30 | 9 | 308 | CLA | CHD-C1D-ND | -4.13 | 118.99 | 124.80 |
| 30 | B | 838 | CLA | C3D-C4D-ND | 4.13 | 116.70 | 109.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 9 | 301 | CLA | CAA-C2A-C3A | -4.13 | 101.84 | 113.00 |
| 30 | 14 | 302 | CLA | C2C-C1C-NC | 4.13 | 114.32 | 109.98 |
| 30 | 1 | 304 | CLA | C3D-C4D-ND | 4.13 | 116.70 | 109.99 |
| 30 | 3 | 310 | CLA | CBC-CAC-C3C | -4.13 | 101.23 | 112.42 |
| 37 | 15 | 316 | A86 | C12-C11-C13 | 4.13 | 122.69 | 116.00 |
| 38 | 6 | 311 | KC1 | C4B-C3B-C2B | -4.13 | 103.23 | 106.81 |
| 30 | A | 837 | CLA | C3D-C4D-ND | 4.13 | 116.70 | 109.99 |
| 38 | 1 | 308 | KC1 | CMD-C2D-C1D | 4.13 | 134.50 | 128.46 |
| 30 | B | 851 | CLA | C2C-C1C-NC | 4.13 | 114.32 | 109.98 |
| 30 | 8 | 301 | CLA | C1D-CHD-C4C | -4.13 | 117.25 | 126.02 |
| 30 | 12 | 304 | CLA | O2A-CGA-CBA | 4.13 | 124.42 | 111.83 |
| 38 | 7 | 308 | KC1 | C2A-C1A-NA | 4.13 | 115.95 | 109.34 |
| 30 | 6 | 305 | CLA | CHD-C1D-ND | -4.13 | 119.00 | 124.80 |
| 30 | A | 829 | CLA | C1D-CHD-C4C | -4.13 | 117.25 | 126.02 |
| 30 | A | 836 | CLA | C1C-C2C-C3C | -4.13 | 102.64 | 106.98 |
| 29 | A | 801 | CL0 | C3D-C4D-ND | 4.13 | 116.69 | 109.99 |
| 37 | 16 | 314 | A86 | C40-C32-C31 | -4.13 | 106.78 | 110.47 |
| 30 | 6 | 314 | CLA | CHD-C1D-ND | -4.13 | 119.00 | 124.80 |
| 30 | 12 | 306 | CLA | C1D-CHD-C4C | -4.12 | 117.25 | 126.02 |
| 30 | 11 | 306 | CLA | CHD-C1D-ND | -4.12 | 119.00 | 124.80 |
| 30 | 4 | 309 | CLA | C3D-C4D-ND | 4.12 | 116.69 | 109.99 |
| 30 | B | 826 | CLA | C3C-C4C-NC | 4.12 | 115.71 | 110.43 |
| 30 | 15 | 314 | CLA | C4A-NA-C1A | -4.12 | 104.80 | 106.68 |
| 30 | A | 806 | CLA | CHD-C1D-ND | -4.12 | 119.00 | 124.80 |
| 30 | 16 | 309 | CLA | CHD-C1D-ND | -4.12 | 119.00 | 124.80 |
| 30 | B | 819 | CLA | C1D-CHD-C4C | -4.12 | 117.26 | 126.02 |
| 30 | 4 | 309 | CLA | C1D-CHD-C4C | -4.12 | 117.26 | 126.02 |
| 30 | 14 | 309 | CLA | CHD-C1D-ND | -4.12 | 119.00 | 124.80 |
| 39 | 6 | 319 | DD6 | C35-C36-C31 | -4.12 | 111.92 | 120.50 |
| 30 | A | 807 | CLA | C1D-CHD-C4C | -4.12 | 117.26 | 126.02 |
| 39 | 15 | 319 | DD6 | C15-C14-C13 | 4.12 | 134.70 | 125.99 |
| 37 | 15 | 323 | A86 | C41-C32-C31 | -4.12 | 106.79 | 110.47 |
| 30 | 8 | 305 | CLA | C1D-CHD-C4C | -4.12 | 117.27 | 126.02 |
| 30 | B | 807 | CLA | C4A-NA-C1A | -4.12 | 104.80 | 106.68 |
| 30 | A | 827 | CLA | C1C-C2C-C3C | -4.12 | 102.65 | 106.98 |
| 30 | 9 | 301 | CLA | C3B-C4B-NB | 4.12 | 114.53 | 109.21 |
| 30 | 15 | 309 | CLA | C4A-NA-C1A | -4.11 | 104.80 | 106.68 |
| 38 | 13 | 306 | KC1 | CHC-C1C-C2C | -4.11 | 118.53 | 125.03 |
| 37 | 4 | 317 | A86 | C12-C11-C13 | 4.11 | 122.67 | 116.00 |
| 30 | 2 | 307 | CLA | C3D-C4D-ND | 4.11 | 116.67 | 109.99 |
| 30 | 16 | 302 | CLA | C3D-C4D-ND | 4.11 | 116.67 | 109.99 |
| 30 | 16 | 305 | CLA | C1D-CHD-C4C | -4.11 | 117.28 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 14 | 308 | KC1 | CMD-C2D-C1D | 4.11 | 134.48 | 128.46 |
| 30 | 1 | 304 | CLA | C1D-CHD-C4C | -4.11 | 117.28 | 126.02 |
| 30 | F | 203 | CLA | C1D-CHD-C4C | -4.11 | 117.28 | 126.02 |
| 37 | 11 | 314 | A86 | C36-C31-C32 | -4.11 | 115.62 | 119.70 |
| 38 | 8 | 314 | KC1 | C2A-C1A-NA | 4.11 | 115.93 | 109.34 |
| 30 | A | 818 | CLA | CHD-C1D-ND | -4.11 | 119.02 | 124.80 |
| 30 | A | 835 | CLA | C3D-C4D-ND | 4.11 | 116.67 | 109.99 |
| 30 | 10 | 311 | CLA | C1D-CHD-C4C | -4.11 | 117.29 | 126.02 |
| 30 | A | 841 | CLA | C2C-C1C-NC | 4.11 | 114.30 | 109.98 |
| 39 | 1 | 310 | DD6 | C21-C20-C19 | -4.11 | 109.63 | 114.24 |
| 30 | 16 | 302 | CLA | O2D-CGD-CBD | 4.11 | 118.41 | 111.23 |
| 30 | 11 | 309 | CLA | C3D-C2D-C1D | -4.11 | 100.23 | 105.83 |
| 39 | 2 | 316 | DD6 | O1-C20-C21 | -4.11 | 110.46 | 115.05 |
| 30 | A | 810 | CLA | C3D-C4D-ND | 4.11 | 116.66 | 109.99 |
| 30 | 8 | 303 | CLA | C3D-C2D-C1D | -4.11 | 100.23 | 105.83 |
| 30 | A | 821 | CLA | C3D-C4D-ND | 4.11 | 116.66 | 109.99 |
| 38 | 16 | 311 | KC1 | CBA-CAA-C2A | -4.11 | 108.97 | 125.45 |
| 30 | 13 | 301 | CLA | C1D-CHD-C4C | -4.11 | 117.29 | 126.02 |
| 30 | 15 | 310 | CLA | CHD-C1D-ND | -4.11 | 119.03 | 124.80 |
| 30 | 16 | 301 | CLA | C1D-CHD-C4C | -4.10 | 117.30 | 126.02 |
| 30 | 5 | 307 | CLA | C1C-C2C-C3C | -4.10 | 102.66 | 106.98 |
| 38 | 2 | 312 | KC1 | C2C-C1C-NC | 4.10 | 115.53 | 110.45 |
| 30 | 15 | 306 | CLA | C3D-C4D-ND | 4.10 | 116.66 | 109.99 |
| 30 | 9 | 302 | CLA | CHD-C1D-ND | -4.10 | 119.03 | 124.80 |
| 38 | 8 | 307 | KC1 | CHC-C1C-C2C | -4.10 | 118.55 | 125.03 |
| 30 | A | 834 | CLA | C3D-C4D-ND | 4.10 | 116.66 | 109.99 |
| 30 | 14 | 309 | CLA | C3D-C4D-ND | 4.10 | 116.65 | 109.99 |
| 30 | 3 | 306 | CLA | C3D-C4D-ND | 4.10 | 116.65 | 109.99 |
| 30 | 12 | 302 | CLA | C1D-CHD-C4C | -4.10 | 117.31 | 126.02 |
| 38 | 7 | 313 | KC1 | CHC-C1C-C2C | -4.10 | 118.56 | 125.03 |
| 30 | B | 825 | CLA | C4A-NA-C1A | -4.10 | 104.81 | 106.68 |
| 30 | 7 | 304 | CLA | CHD-C1D-ND | -4.10 | 119.04 | 124.80 |
| 30 | B | 832 | CLA | O2D-CGD-CBD | 4.10 | 118.39 | 111.23 |
| 37 | 15 | 321 | A86 | C12-C11-C13 | 4.09 | 122.64 | 116.00 |
| 38 | 13 | 310 | KC1 | C2C-C1C-NC | 4.09 | 115.52 | 110.45 |
| 30 | 7 | 306 | CLA | C1D-CHD-C4C | -4.09 | 117.32 | 126.02 |
| 30 | A | 844 | CLA | C4A-NA-C1A | -4.09 | 104.81 | 106.68 |
| 30 | A | 824 | CLA | C3D-C2D-C1D | -4.09 | 100.25 | 105.83 |
| 39 | 3 | 316 | DD6 | O1-C15-C14 | -4.09 | 105.16 | 116.88 |
| 30 | 7 | 309 | CLA | C1C-C2C-C3C | -4.09 | 102.68 | 106.98 |
| 30 | 5 | 307 | CLA | O2D-CGD-CBD | 4.09 | 118.38 | 111.23 |
| 30 | A | 826 | CLA | C3B-C4B-NB | 4.09 | 114.50 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 310 | CLA | C1D-CHD-C4C | -4.09 | 117.33 | 126.02 |
| 30 | 15 | 307 | CLA | C4A-NA-C1A | -4.09 | 104.81 | 106.68 |
| 30 | 13 | 302 | CLA | C3D-C4D-ND | 4.09 | 116.64 | 109.99 |
| 29 | A | 801 | CL0 | C3C-C4C-NC | 4.09 | 115.67 | 110.43 |
| 39 | 13 | 314 | DD6 | C8-C6-C5 | -4.09 | 112.58 | 119.01 |
| 30 | 1 | 305 | CLA | CHD-C1D-ND | -4.09 | 119.05 | 124.80 |
| 30 | B | 818 | CLA | CBA-CAA-C2A | 4.09 | 125.96 | 113.79 |
| 38 | 6 | 313 | KC1 | CAA-CBA-CGA | -4.09 | 106.26 | 127.05 |
| 30 | 11 | 308 | CLA | C1D-CHD-C4C | -4.09 | 117.33 | 126.02 |
| 39 | 2 | 315 | DD6 | C12-C11-C13 | -4.09 | 111.84 | 118.09 |
| 30 | 15 | 313 | CLA | CHD-C1D-ND | -4.09 | 119.05 | 124.80 |
| 38 | 14 | 306 | KC1 | CHD-C4C-C3C | -4.09 | 117.69 | 125.23 |
| 30 | A | 823 | CLA | C1C-C2C-C3C | -4.09 | 102.68 | 106.98 |
| 30 | 3 | 301 | CLA | C1C-C2C-C3C | -4.09 | 102.68 | 106.98 |
| 30 | 14 | 312 | CLA | CHD-C1D-ND | -4.09 | 119.05 | 124.80 |
| 30 | 4 | 301 | CLA | C3D-C4D-ND | 4.09 | 116.63 | 109.99 |
| 37 | 5 | 316 | A86 | C36-C31-C32 | -4.09 | 115.64 | 119.70 |
| 38 | 3 | 308 | KC1 | C1C-C2C-C3C | -4.08 | 102.68 | 106.98 |
| 30 | 3 | 306 | CLA | C2C-C1C-NC | 4.08 | 114.27 | 109.98 |
| 30 | 1 | 304 | CLA | C3C-C4C-NC | 4.08 | 115.66 | 110.43 |
| 30 | 7 | 310 | CLA | C2C-C1C-NC | 4.08 | 114.27 | 109.98 |
| 30 | 5 | 311 | CLA | CHD-C1D-ND | -4.08 | 119.06 | 124.80 |
| 30 | 13 | 301 | CLA | C4A-NA-C1A | -4.08 | 104.82 | 106.68 |
| 30 | B | 810 | CLA | C2C-C1C-NC | 4.08 | 114.27 | 109.98 |
| 37 | 4 | 317 | A86 | C3-C4-C5 | -4.08 | 115.18 | 123.52 |
| 30 | 12 | 302 | CLA | C4A-NA-C1A | -4.08 | 104.82 | 106.68 |
| 30 | 13 | 304 | CLA | C1C-C2C-C3C | -4.08 | 102.69 | 106.98 |
| 38 | 10 | 312 | KC1 | CHC-C1C-C2C | -4.08 | 118.59 | 125.03 |
| 30 | B | 832 | CLA | C3D-C4D-ND | 4.07 | 116.61 | 109.99 |
| 30 | 8 | 308 | CLA | C3D-C4D-ND | 4.07 | 116.61 | 109.99 |
| 30 | 6 | 314 | CLA | C1D-CHD-C4C | -4.07 | 117.36 | 126.02 |
| 38 | 4 | 308 | KC1 | CBA-CAA-C2A | -4.07 | 109.10 | 125.45 |
| 30 | J | 101 | CLA | C3D-C4D-ND | 4.07 | 116.61 | 109.99 |
| 30 | B | 836 | CLA | C1C-C2C-C3C | -4.07 | 102.69 | 106.98 |
| 30 | B | 821 | CLA | C3D-C4D-ND | 4.07 | 116.61 | 109.99 |
| 30 | 3 | 302 | CLA | C3D-C4D-ND | 4.07 | 116.61 | 109.99 |
| 30 | A | 836 | CLA | O2D-CGD-CBD | 4.07 | 118.35 | 111.23 |
| 37 | 14 | 317 | A86 | C36-C31-C32 | -4.07 | 115.66 | 119.70 |
| 38 | 11 | 307 | KC1 | C1C-C2C-C3C | -4.07 | 102.70 | 106.98 |
| 30 | B | 801 | CLA | C3C-C4C-NC | 4.07 | 115.65 | 110.43 |
| 30 | B | 807 | CLA | C1C-C2C-C3C | -4.07 | 102.70 | 106.98 |
| 30 | 1 | 301 | CLA | C1-C2-C3 | -4.07 | 119.53 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 8 | 304 | CLA | C2C-C1C-NC | 4.07 | 114.26 | 109.98 |
| 38 | 13 | 311 | KC1 | CHC-C1C-C2C | -4.07 | 118.61 | 125.03 |
| 30 | 1 | 304 | CLA | O2D-CGD-CBD | 4.07 | 118.34 | 111.23 |
| 30 | 10 | 304 | CLA | C3D-C4D-ND | 4.07 | 116.60 | 109.99 |
| 30 | 13 | 309 | CLA | C4A-NA-C1A | -4.07 | 104.82 | 106.68 |
| 30 | L | 203 | CLA | C4A-NA-C1A | -4.07 | 104.82 | 106.68 |
| 37 | 2 | 318 | A86 | C36-C31-C32 | -4.06 | 115.66 | 119.70 |
| 30 | B | 827 | CLA | C3D-C4D-ND | 4.06 | 116.59 | 109.99 |
| 37 | 15 | 317 | A86 | C3-C2-C1 | -4.06 | 121.58 | 127.28 |
| 30 | F | 203 | CLA | CHD-C1D-ND | -4.06 | 119.09 | 124.80 |
| 30 | J | 101 | CLA | C1D-CHD-C4C | -4.06 | 117.39 | 126.02 |
| 30 | 12 | 306 | CLA | C1C-C2C-C3C | -4.06 | 102.71 | 106.98 |
| 39 | 2 | 316 | DD6 | C21-C20-C19 | -4.06 | 109.68 | 114.24 |
| 30 | 4 | 304 | CLA | C3D-C2D-C1D | -4.06 | 100.29 | 105.83 |
| 30 | 9 | 303 | CLA | C4A-NA-C1A | -4.06 | 104.83 | 106.68 |
| 39 | 3 | 312 | DD6 | C35-C36-C31 | -4.06 | 112.05 | 120.50 |
| 30 | F | 201 | CLA | CMD-C2D-C1D | 4.06 | 131.88 | 124.73 |
| 30 | 6 | 316 | CLA | C3D-C4D-ND | 4.06 | 116.58 | 109.99 |
| 30 | B | 807 | CLA | C3D-C4D-ND | 4.06 | 116.58 | 109.99 |
| 30 | 9 | 307 | CLA | C1D-CHD-C4C | -4.06 | 117.39 | 126.02 |
| 30 | 8 | 302 | CLA | CHD-C1D-ND | -4.06 | 119.09 | 124.80 |
| 38 | 13 | 305 | KC1 | C4B-C3B-C2B | -4.06 | 103.30 | 106.81 |
| 38 | 14 | 308 | KC1 | CBA-CAA-C2A | -4.06 | 109.17 | 125.45 |
| 30 | A | 811 | CLA | C1D-CHD-C4C | -4.06 | 117.40 | 126.02 |
| 30 | 2 | 311 | CLA | CHD-C1D-ND | -4.06 | 119.09 | 124.80 |
| 30 | 9 | 309 | CLA | C4A-NA-C1A | -4.06 | 104.83 | 106.68 |
| 30 | A | 841 | CLA | CHD-C1D-ND | -4.05 | 119.10 | 124.80 |
| 30 | 7 | 304 | CLA | C1C-C2C-C3C | -4.05 | 102.72 | 106.98 |
| 30 | A | 804 | CLA | C1D-CHD-C4C | -4.05 | 117.40 | 126.02 |
| 30 | A | 819 | CLA | C2C-C1C-NC | 4.05 | 114.24 | 109.98 |
| 30 | A | 805 | CLA | CHD-C1D-ND | -4.05 | 119.10 | 124.80 |
| 30 | 2 | 308 | CLA | CHD-C1D-ND | -4.05 | 119.10 | 124.80 |
| 38 | 9 | 312 | KC1 | C1A-NA-C4A | -4.05 | 104.83 | 106.68 |
| 38 | 11 | 307 | KC1 | C2A-C1A-NA | 4.05 | 115.83 | 109.34 |
| 30 | B | 818 | CLA | C1C-C2C-C3C | -4.05 | 102.72 | 106.98 |
| 30 | 2 | 304 | CLA | C3D-C4D-ND | 4.05 | 116.57 | 109.99 |
| 38 | 8 | 311 | KC1 | C2A-C1A-NA | 4.05 | 115.83 | 109.34 |
| 30 | 15 | 307 | CLA | O2D-CGD-CBD | 4.05 | 118.31 | 111.23 |
| 30 | 15 | 304 | CLA | O2D-CGD-CBD | 4.05 | 118.31 | 111.23 |
| 30 | 12 | 306 | CLA | C3D-C4D-ND | 4.05 | 116.57 | 109.99 |
| 37 | 16 | 314 | A86 | C36-C31-C32 | -4.05 | 115.68 | 119.70 |
| 30 | 3 | 307 | CLA | O2D-CGD-CBD | 4.05 | 118.30 | 111.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 15 | 318 | DD6 | C15-C14-C13 | 4.05 | 134.55 | 125.99 |
| 37 | 13 | 315 | A86 | C36-C31-C32 | -4.05 | 115.68 | 119.70 |
| 30 | 2 | 305 | CLA | CBA-CAA-C2A | 4.04 | 125.83 | 113.79 |
| 30 | A | 830 | CLA | CMD-C2D-C1D | 4.04 | 131.85 | 124.73 |
| 38 | 13 | 305 | KC1 | C2C-C1C-NC | 4.04 | 115.45 | 110.45 |
| 30 | 6 | 314 | CLA | C1C-C2C-C3C | -4.04 | 102.73 | 106.98 |
| 30 | 16 | 305 | CLA | C1C-C2C-C3C | -4.04 | 102.73 | 106.98 |
| 38 | 8 | 310 | KC1 | C2A-C1A-NA | 4.04 | 115.82 | 109.34 |
| 33 | L | 204 | BCR | C24-C23-C22 | -4.04 | 120.26 | 126.23 |
| 38 | 6 | 308 | KC1 | C2A-C1A-NA | 4.04 | 115.82 | 109.34 |
| 30 | 16 | 306 | CLA | CAA-C2A-C3A | -4.04 | 102.08 | 113.00 |
| 30 | 5 | 303 | CLA | C3D-C4D-ND | 4.04 | 116.56 | 109.99 |
| 30 | B | 805 | CLA | CHD-C1D-ND | -4.04 | 119.12 | 124.80 |
| 30 | B | 836 | CLA | CHD-C1D-ND | -4.04 | 119.12 | 124.80 |
| 30 | 15 | 306 | CLA | C1C-C2C-C3C | -4.04 | 102.73 | 106.98 |
| 30 | 2u | 202 | CLA | C4A-NA-C1A | -4.04 | 104.84 | 106.68 |
| 30 | 2 | 307 | CLA | C4A-NA-C1A | -4.04 | 104.84 | 106.68 |
| 30 | 12 | 308 | CLA | C1D-CHD-C4C | -4.04 | 117.44 | 126.02 |
| 30 | 6 | 310 | CLA | C3D-C4D-ND | 4.04 | 116.55 | 109.99 |
| 30 | 1 | 302 | CLA | C1D-CHD-C4C | -4.04 | 117.44 | 126.02 |
| 30 | 8 | 305 | CLA | C3D-C4D-ND | 4.04 | 116.55 | 109.99 |
| 30 | 9 | 301 | CLA | C3D-C4D-ND | 4.04 | 116.55 | 109.99 |
| 30 | A | 825 | CLA | CHD-C1D-ND | -4.03 | 119.12 | 124.80 |
| 30 | A | 805 | CLA | C3D-C4D-ND | 4.03 | 116.55 | 109.99 |
| 30 | A | 807 | CLA | O2A-CGA-CBA | 4.03 | 124.14 | 111.83 |
| 30 | B | 851 | CLA | O2D-CGD-CBD | 4.03 | 118.28 | 111.23 |
| 38 | 10 | 306 | KC1 | C2C-C1C-NC | 4.03 | 115.44 | 110.45 |
| 38 | 11 | 307 | KC1 | C2C-C1C-NC | 4.03 | 115.44 | 110.45 |
| 30 | 10 | 305 | CLA | CBA-CAA-C2A | 4.03 | 125.79 | 113.79 |
| 30 | A | 837 | CLA | CHD-C1D-ND | -4.03 | 119.13 | 124.80 |
| 39 | 10 | 314 | DD6 | C37-C36-C35 | -4.03 | 107.00 | 114.42 |
| 38 | 16 | 311 | KC1 | CHC-C1C-C2C | -4.03 | 118.66 | 125.03 |
| 30 | 12 | 303 | CLA | O2D-CGD-CBD | 4.03 | 118.28 | 111.23 |
| 30 | B | 851 | CLA | C1D-CHD-C4C | -4.03 | 117.45 | 126.02 |
| 30 | 7 | 307 | CLA | C3D-C4D-ND | 4.03 | 116.54 | 109.99 |
| 30 | A | 838 | CLA | C1C-C2C-C3C | -4.03 | 102.74 | 106.98 |
| 30 | A | 814 | CLA | C3D-C4D-ND | 4.03 | 116.54 | 109.99 |
| 37 | 7 | 319 | A86 | C9-C10-C11 | -4.03 | 115.25 | 126.64 |
| 30 | 12 | 312 | CLA | CHD-C1D-ND | -4.03 | 119.13 | 124.80 |
| 37 | 15 | 315 | A86 | C-C1-C24 | -4.03 | 111.93 | 118.09 |
| 30 | 6 | 306 | CLA | O2A-CGA-CBA | 4.03 | 124.12 | 111.83 |
| 30 | 8 | 302 | CLA | C1C-C2C-C3C | -4.03 | 102.74 | 106.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 2 | 309 | CLA | CHD-C1D-ND | -4.03 | 119.13 | 124.80 |
| 38 | 6 | 312 | KC1 | CHC-C1C-C2C | -4.03 | 118.67 | 125.03 |
| 38 | 12 | 313 | KC1 | CHB-C4A-C3A | -4.03 | 118.67 | 125.03 |
| 30 | A | 830 | CLA | C1D-CHD-C4C | -4.03 | 117.46 | 126.02 |
| 39 | 11 | 313 | DD6 | C35-C36-C31 | -4.03 | 112.12 | 120.50 |
| 30 | 4 | 309 | CLA | C4A-NA-C1A | -4.03 | 104.84 | 106.68 |
| 30 | 9 | 308 | CLA | C2C-C1C-NC | 4.03 | 114.21 | 109.98 |
| 30 | B | 812 | CLA | C3D-C4D-ND | 4.03 | 116.53 | 109.99 |
| 30 | 2 | 304 | CLA | C1D-CHD-C4C | -4.03 | 117.46 | 126.02 |
| 30 | 4 | 301 | CLA | CHD-C1D-ND | -4.02 | 119.14 | 124.80 |
| 30 | 6 | 306 | CLA | CHD-C1D-ND | -4.02 | 119.14 | 124.80 |
| 39 | 3 | 313 | DD6 | C21-C20-C19 | -4.02 | 109.72 | 114.24 |
| 38 | 12 | 305 | KC1 | C2A-C1A-NA | 4.02 | 115.79 | 109.34 |
| 30 | J | 101 | CLA | CAA-C2A-C3A | -4.02 | 102.13 | 113.00 |
| 30 | 7 | 309 | CLA | C3D-C4D-ND | 4.02 | 116.53 | 109.99 |
| 30 | 12 | 321 | CLA | C1D-CHD-C4C | -4.02 | 117.47 | 126.02 |
| 30 | 14 | 303 | CLA | CHD-C1D-ND | -4.02 | 119.14 | 124.80 |
| 30 | 7 | 306 | CLA | C1C-C2C-C3C | -4.02 | 102.75 | 106.98 |
| 37 | 7 | 319 | A86 | C36-C31-C32 | -4.02 | 115.71 | 119.70 |
| 30 | 14 | 305 | CLA | CAA-C2A-C3A | -4.02 | 102.14 | 113.00 |
| 30 | 6 | 315 | CLA | CHD-C1D-ND | -4.02 | 119.15 | 124.80 |
| 30 | B | 806 | CLA | C3D-C4D-ND | 4.02 | 116.52 | 109.99 |
| 38 | 10 | 306 | KC1 | C1C-C2C-C3C | -4.02 | 102.75 | 106.98 |
| 30 | 13 | 304 | CLA | C1D-CHD-C4C | -4.02 | 117.48 | 126.02 |
| 38 | 12 | 305 | KC1 | C2C-C1C-NC | 4.02 | 115.42 | 110.45 |
| 30 | 4 | 302 | CLA | C3D-C4D-ND | 4.02 | 116.52 | 109.99 |
| 30 | 15 | 314 | CLA | C1D-CHD-C4C | -4.02 | 117.48 | 126.02 |
| 30 | B | 822 | CLA | C3D-C2D-C1D | -4.02 | 100.35 | 105.83 |
| 30 | A | 808 | CLA | CHD-C1D-ND | -4.02 | 119.15 | 124.80 |
| 39 | 7 | 317 | DD6 | C22-C16-C15 | 4.02 | 120.89 | 110.05 |
| 38 | 16 | 311 | KC1 | C1C-C2C-C3C | -4.01 | 102.76 | 106.98 |
| 39 | 8 | 316 | DD6 | C7-C6-C8 | -4.01 | 111.96 | 118.09 |
| 39 | 4 | 316 | DD6 | O1-C15-C14 | -4.01 | 105.38 | 116.88 |
| 39 | 15 | 318 | DD6 | C21-C20-C19 | -4.01 | 109.73 | 114.24 |
| 30 | 9 | 306 | CLA | C1D-CHD-C4C | -4.01 | 117.49 | 126.02 |
| 30 | 16 | 306 | CLA | C1D-CHD-C4C | -4.01 | 117.49 | 126.02 |
| 30 | B | 805 | CLA | C4A-NA-C1A | -4.01 | 104.85 | 106.68 |
| 30 | 13 | 303 | CLA | C4A-NA-C1A | -4.01 | 104.85 | 106.68 |
| 37 | 15 | 323 | A86 | C3-C4-C5 | -4.01 | 115.31 | 123.52 |
| 38 | 5 | 312 | KC1 | C2A-C1A-NA | 4.01 | 115.77 | 109.34 |
| 30 | A | 813 | CLA | C3D-C4D-ND | 4.01 | 116.51 | 109.99 |
| 30 | A | 820 | CLA | C3D-C4D-ND | 4.01 | 116.51 | 109.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 4 | 307 | KC1 | C2A-C1A-NA | 4.01 | 115.77 | 109.34 |
| 30 | 16 | 305 | CLA | C3D-C4D-ND | 4.01 | 116.50 | 109.99 |
| 37 | 1 | 309 | A86 | C10-C9-C8 | -4.01 | 111.59 | 123.20 |
| 38 | 4 | 307 | KC1 | C1C-C2C-C3C | -4.01 | 102.77 | 106.98 |
| 30 | 3 | 307 | CLA | CHD-C1D-ND | -4.01 | 119.17 | 124.80 |
| 30 | A | 838 | CLA | CMB-C2B-C3B | 4.01 | 132.69 | 124.68 |
| 30 | 9 | 307 | CLA | O2D-CGD-CBD | 4.01 | 118.23 | 111.23 |
| 30 | A | 814 | CLA | C1D-CHD-C4C | -4.01 | 117.51 | 126.02 |
| 30 | 11 | 310 | CLA | CHD-C1D-ND | -4.00 | 119.17 | 124.80 |
| 30 | 8 | 301 | CLA | C4A-NA-C1A | -4.00 | 104.85 | 106.68 |
| 30 | F | 202 | CLA | C3C-C4C-NC | 4.00 | 115.56 | 110.43 |
| 30 | B | 837 | CLA | C4A-NA-C1A | -4.00 | 104.85 | 106.68 |
| 37 | 14 | 314 | A86 | C10-C9-C8 | -4.00 | 111.61 | 123.20 |
| 38 | 2 | 314 | KC1 | O2D-CGD-CBD | 4.00 | 118.22 | 111.23 |
| 30 | 7 | 312 | CLA | C4A-NA-C1A | -4.00 | 104.85 | 106.68 |
| 30 | 4 | 309 | CLA | CHD-C1D-ND | -4.00 | 119.17 | 124.80 |
| 30 | A | 813 | CLA | C1D-CHD-C4C | -4.00 | 117.52 | 126.02 |
| 30 | B | 809 | CLA | C3D-C4D-ND | 4.00 | 116.49 | 109.99 |
| 30 | 15 | 311 | CLA | CHD-C1D-ND | -4.00 | 119.17 | 124.80 |
| 30 | A | 832 | CLA | C3D-C4D-ND | 4.00 | 116.48 | 109.99 |
| 37 | 3 | 314 | A86 | C9-C10-C11 | -4.00 | 115.34 | 126.64 |
| 38 | 13 | 308 | KC1 | C4B-C3B-C2B | -4.00 | 103.35 | 106.81 |
| 38 | 3 | 308 | KC1 | C1A-NA-C4A | -4.00 | 104.86 | 106.68 |
| 38 | 14 | 308 | KC1 | C2A-C1A-NA | 4.00 | 115.74 | 109.34 |
| 30 | 8 | 301 | CLA | C3C-C4C-NC | 3.99 | 115.55 | 110.43 |
| 30 | 3 | 302 | CLA | C1D-CHD-C4C | -3.99 | 117.53 | 126.02 |
| 39 | 16 | 313 | DD6 | C37-C36-C35 | -3.99 | 107.08 | 114.42 |
| 34 | 2 | 320 | LHG | O4-P-O5 | 3.99 | 131.02 | 112.44 |
| 30 | 6 | 310 | CLA | CHD-C1D-ND | -3.99 | 119.18 | 124.80 |
| 30 | 7 | 312 | CLA | C1D-CHD-C4C | -3.99 | 117.53 | 126.02 |
| 30 | 16 | 308 | CLA | C1D-CHD-C4C | -3.99 | 117.53 | 126.02 |
| 30 | J | 101 | CLA | C1C-C2C-C3C | -3.99 | 102.78 | 106.98 |
| 30 | A | 841 | CLA | C3D-C4D-ND | 3.99 | 116.47 | 109.99 |
| 30 | 1 | 304 | CLA | C2C-C1C-NC | 3.99 | 114.17 | 109.98 |
| 30 | B | 820 | CLA | C4C-C3C-C2C | -3.99 | 101.08 | 106.89 |
| 30 | B | 804 | CLA | C3D-C4D-ND | 3.99 | 116.47 | 109.99 |
| 30 | 12 | 308 | CLA | O2D-CGD-CBD | 3.99 | 118.20 | 111.23 |
| 30 | B | 838 | CLA | CHD-C1D-ND | -3.99 | 119.19 | 124.80 |
| 30 | 15 | 308 | CLA | C3D-C4D-ND | 3.99 | 116.47 | 109.99 |
| 30 | 10 | 308 | CLA | C2C-C1C-NC | 3.99 | 114.17 | 109.98 |
| 30 | 5 | 308 | CLA | C4A-NA-C1A | -3.99 | 104.86 | 106.68 |
| 39 | 5 | 313 | DD6 | C7-C6-C8 | -3.99 | 112.00 | 118.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 819 | CLA | C3D-C4D-ND | 3.99 | 116.47 | 109.99 |
| 37 | 14 | 301 | A86 | C12-C11-C13 | 3.99 | 122.46 | 116.00 |
| 30 | 7 | 307 | CLA | C1D-CHD-C4C | -3.99 | 117.55 | 126.02 |
| 30 | B | 825 | CLA | C3C-C4C-NC | 3.99 | 115.53 | 110.43 |
| 37 | 15 | 322 | A86 | C9-C10-C11 | -3.98 | 115.38 | 126.64 |
| 30 | A | 802 | CLA | C3D-C4D-ND | 3.98 | 116.46 | 109.99 |
| 30 | B | 817 | CLA | CAA-C2A-C3A | -3.98 | 102.23 | 113.00 |
| 30 | 3 | 305 | CLA | C1D-CHD-C4C | -3.98 | 117.55 | 126.02 |
| 30 | B | 826 | CLA | C3D-C4D-ND | 3.98 | 116.46 | 109.99 |
| 30 | B | 839 | CLA | C3C-C4C-NC | 3.98 | 115.53 | 110.43 |
| 37 | 7 | 316 | A86 | O4-C38-C39 | 3.98 | 118.19 | 111.09 |
| 30 | A | 812 | CLA | C1C-C2C-C3C | -3.98 | 102.79 | 106.98 |
| 30 | A | 831 | CLA | C1D-CHD-C4C | -3.98 | 117.56 | 126.02 |
| 37 | 2 | 318 | A86 | C40-C32-C31 | -3.98 | 106.91 | 110.47 |
| 30 | B | 822 | CLA | CMA-C3A-C2A | -3.98 | 98.59 | 113.98 |
| 30 | A | 843 | CLA | C1C-C2C-C3C | -3.98 | 102.79 | 106.98 |
| 30 | 8 | 304 | CLA | CAA-CBA-CGA | -3.98 | 101.90 | 113.21 |
| 30 | 12 | 307 | CLA | C2C-C1C-NC | 3.98 | 114.16 | 109.98 |
| 37 | 4 | 315 | A86 | C12-C11-C13 | 3.98 | 122.45 | 116.00 |
| 30 | A | 812 | CLA | C4A-NA-C1A | -3.98 | 104.86 | 106.68 |
| 30 | 10 | 303 | CLA | CHD-C1D-ND | -3.98 | 119.20 | 124.80 |
| 30 | 2u | 202 | CLA | C1D-CHD-C4C | -3.98 | 117.56 | 126.02 |
| 30 | A | 827 | CLA | C1D-CHD-C4C | -3.98 | 117.57 | 126.02 |
| 38 | 9 | 312 | KC1 | C2C-C1C-NC | 3.98 | 115.37 | 110.45 |
| 30 | 14 | 307 | CLA | O2D-CGD-CBD | 3.98 | 118.18 | 111.23 |
| 30 | B | 802 | CLA | C1D-CHD-C4C | -3.97 | 117.57 | 126.02 |
| 30 | 7 | 312 | CLA | CHD-C1D-ND | -3.97 | 119.21 | 124.80 |
| 30 | 10 | 311 | CLA | CHD-C1D-ND | -3.97 | 119.21 | 124.80 |
| 38 | 16 | 304 | KC1 | C2C-C1C-NC | 3.97 | 115.37 | 110.45 |
| 38 | 10 | 306 | KC1 | C4B-C3B-C2B | -3.97 | 103.37 | 106.81 |
| 30 | A | 814 | CLA | C2C-C1C-NC | 3.97 | 114.16 | 109.98 |
| 38 | 13 | 310 | KC1 | CHC-C1C-C2C | -3.97 | 118.75 | 125.03 |
| 30 | B | 839 | CLA | C1D-CHD-C4C | -3.97 | 117.58 | 126.02 |
| 30 | A | 840 | CLA | C3D-C4D-ND | 3.97 | 116.44 | 109.99 |
| 38 | 13 | 311 | KC1 | CBA-CAA-C2A | -3.97 | 109.51 | 125.45 |
| 30 | 4 | 305 | CLA | C4A-NA-C1A | -3.97 | 104.87 | 106.68 |
| 30 | A | 821 | CLA | C3D-C2D-C1D | -3.97 | 100.41 | 105.83 |
| 30 | 6 | 317 | CLA | C1C-C2C-C3C | -3.97 | 102.80 | 106.98 |
| 30 | 4 | 303 | CLA | CAC-C3C-C4C | 3.97 | 129.96 | 124.79 |
| 30 | A | 835 | CLA | C1D-CHD-C4C | -3.97 | 117.58 | 126.02 |
| 30 | 10 | 307 | CLA | C1D-CHD-C4C | -3.97 | 117.58 | 126.02 |
| 30 | B | 817 | CLA | C1D-CHD-C4C | -3.97 | 117.58 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 9 | 316 | A86 | C36-C31-C32 | -3.97 | 115.76 | 119.70 |
| 37 | 9 | 313 | A86 | C12-C11-C13 | 3.97 | 122.43 | 116.00 |
| 30 | 6 | 309 | CLA | O2A-CGA-CBA | 3.97 | 123.93 | 111.83 |
| 30 | A | 807 | CLA | C3D-C4D-ND | 3.97 | 116.44 | 109.99 |
| 30 | 2 | 304 | CLA | CHD-C1D-ND | -3.97 | 119.22 | 124.80 |
| 30 | A | 842 | CLA | C1D-CHD-C4C | -3.97 | 117.59 | 126.02 |
| 30 | 9 | 305 | CLA | C3D-C4D-ND | 3.97 | 116.44 | 109.99 |
| 30 | A | 815 | CLA | C3B-C4B-NB | 3.97 | 114.34 | 109.21 |
| 30 | A | 803 | CLA | CHD-C1D-ND | -3.97 | 119.22 | 124.80 |
| 30 | B | 813 | CLA | CHD-C1D-ND | -3.97 | 119.22 | 124.80 |
| 30 | A | 806 | CLA | C1D-CHD-C4C | -3.97 | 117.59 | 126.02 |
| 30 | B | 808 | CLA | C1C-C2C-C3C | -3.96 | 102.81 | 106.98 |
| 30 | 13 | 309 | CLA | C1C-C2C-C3C | -3.96 | 102.81 | 106.98 |
| 38 | 14 | 311 | KC1 | C1A-NA-C4A | -3.96 | 104.87 | 106.68 |
| 30 | A | 819 | CLA | C1D-CHD-C4C | -3.96 | 117.60 | 126.02 |
| 30 | A | 815 | CLA | C3D-C4D-ND | 3.96 | 116.43 | 109.99 |
| 30 | B | 813 | CLA | C3D-C4D-ND | 3.96 | 116.43 | 109.99 |
| 30 | 3 | 301 | CLA | CHD-C1D-ND | -3.96 | 119.23 | 124.80 |
| 39 | 7 | 302 | DD6 | C12-C11-C13 | -3.96 | 112.04 | 118.09 |
| 30 | 12 | 310 | CLA | CHD-C1D-ND | -3.96 | 119.23 | 124.80 |
| 30 | 11 | 306 | CLA | C2C-C1C-NC | 3.96 | 114.14 | 109.98 |
| 38 | 9 | 310 | KC1 | CBA-CAA-C2A | -3.96 | 109.56 | 125.45 |
| 30 | A | 841 | CLA | O2D-CGD-CBD | 3.96 | 118.15 | 111.23 |
| 38 | 12 | 311 | KC1 | C4B-C3B-C2B | -3.96 | 103.38 | 106.81 |
| 30 | F | 203 | CLA | C1C-C2C-C3C | -3.96 | 102.82 | 106.98 |
| 38 | 11 | 312 | KC1 | C2A-C1A-NA | 3.96 | 115.68 | 109.34 |
| 30 | B | 806 | CLA | C1D-CHD-C4C | -3.95 | 117.61 | 126.02 |
| 30 | 4 | 304 | CLA | C1D-CHD-C4C | -3.95 | 117.62 | 126.02 |
| 39 | 6 | 303 | DD6 | C12-C11-C13 | -3.95 | 112.05 | 118.09 |
| 30 | B | 803 | CLA | C3D-C4D-ND | 3.95 | 116.41 | 109.99 |
| 30 | 5 | 311 | CLA | C1D-CHD-C4C | -3.95 | 117.62 | 126.02 |
| 30 | 1 | 301 | CLA | CHD-C1D-ND | -3.95 | 119.24 | 124.80 |
| 30 | A | 818 | CLA | C1D-CHD-C4C | -3.95 | 117.62 | 126.02 |
| 30 | 14 | 310 | CLA | C1C-C2C-C3C | -3.95 | 102.83 | 106.98 |
| 30 | 5 | 311 | CLA | O2D-CGD-O1D | -3.95 | 116.16 | 123.85 |
| 30 | 8 | 304 | CLA | C3D-C4D-ND | 3.95 | 116.41 | 109.99 |
| 37 | 2 | 318 | A86 | C41-C32-C31 | -3.95 | 106.94 | 110.47 |
| 39 | 15 | 319 | DD6 | C21-C20-C15 | -3.95 | 115.80 | 122.30 |
| 30 | A | 831 | CLA | C3C-C4C-NC | 3.95 | 115.49 | 110.43 |
| 30 | B | 813 | CLA | C4C-C3C-C2C | -3.95 | 101.14 | 106.89 |
| 30 | A | 822 | CLA | C3D-C2D-C1D | -3.95 | 100.44 | 105.83 |
| 30 | 10 | 304 | CLA | CHD-C1D-ND | -3.95 | 119.25 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 836 | CLA | C3D-C4D-ND | 3.95 | 116.40 | 109.99 |
| 30 | 3 | 305 | CLA | CHD-C1D-ND | -3.95 | 119.25 | 124.80 |
| 30 | A | 802 | CLA | C1D-CHD-C4C | -3.95 | 117.63 | 126.02 |
| 30 | B | 804 | CLA | CHD-C1D-ND | -3.95 | 119.25 | 124.80 |
| 30 | B | 837 | CLA | CHD-C1D-ND | -3.95 | 119.25 | 124.80 |
| 30 | 9 | 309 | CLA | C1C-C2C-C3C | -3.95 | 102.83 | 106.98 |
| 30 | 10 | 307 | CLA | C4A-NA-C1A | -3.95 | 104.88 | 106.68 |
| 30 | 14 | 303 | CLA | C4A-NA-C1A | -3.95 | 104.88 | 106.68 |
| 33 | L | 204 | BCR | C31-C1-C6 | 3.95 | 116.43 | 110.24 |
| 30 | A | 825 | CLA | C3D-C4D-ND | 3.95 | 116.40 | 109.99 |
| 30 | B | 820 | CLA | C2C-C1C-NC | 3.94 | 114.12 | 109.98 |
| 30 | 1 | 301 | CLA | C4A-NA-C1A | -3.94 | 104.88 | 106.68 |
| 37 | 14 | 301 | A86 | C4-C5-C6 | -3.94 | 121.75 | 127.28 |
| 38 | 4 | 308 | KC1 | C2C-C1C-NC | 3.94 | 115.33 | 110.45 |
| 30 | B | 833 | CLA | C3D-C4D-ND | 3.94 | 116.39 | 109.99 |
| 38 | 8 | 306 | KC1 | CBA-CAA-C2A | -3.94 | 109.64 | 125.45 |
| 30 | 16 | 310 | CLA | O2D-CGD-O1D | -3.94 | 116.18 | 123.85 |
| 38 | 7 | 308 | KC1 | C2C-C1C-NC | 3.94 | 115.33 | 110.45 |
| 30 | 5 | 302 | CLA | C1D-CHD-C4C | -3.94 | 117.65 | 126.02 |
| 30 | 16 | 309 | CLA | C1D-CHD-C4C | -3.94 | 117.65 | 126.02 |
| 30 | 14 | 304 | CLA | C1D-CHD-C4C | -3.94 | 117.65 | 126.02 |
| 38 | 3 | 311 | KC1 | C2C-C1C-NC | 3.94 | 115.32 | 110.45 |
| 38 | 12 | 305 | KC1 | C1C-C2C-C3C | -3.94 | 102.84 | 106.98 |
| 38 | 11 | 305 | KC1 | C2C-C1C-NC | 3.94 | 115.32 | 110.45 |
| 30 | 15 | 305 | CLA | CHD-C1D-ND | -3.94 | 119.26 | 124.80 |
| 30 | 4 | 304 | CLA | C4A-NA-C1A | -3.94 | 104.88 | 106.68 |
| 30 | A | 803 | CLA | C3D-C4D-ND | 3.94 | 116.39 | 109.99 |
| 30 | 2 | 310 | CLA | CHD-C1D-ND | -3.94 | 119.26 | 124.80 |
| 30 | 9 | 303 | CLA | C1D-CHD-C4C | -3.94 | 117.66 | 126.02 |
| 38 | 1 | 308 | KC1 | CAA-CBA-CGA | -3.94 | 107.04 | 127.05 |
| 38 | 8 | 313 | KC1 | O2D-CGD-CBD | 3.93 | 118.11 | 111.23 |
| 30 | 15 | 302 | CLA | C1D-CHD-C4C | -3.93 | 117.66 | 126.02 |
| 30 | A | 843 | CLA | C1-C2-C3 | -3.93 | 119.75 | 126.20 |
| 30 | 6 | 305 | CLA | C1D-CHD-C4C | -3.93 | 117.66 | 126.02 |
| 37 | 15 | 316 | A86 | C4-C5-C6 | -3.93 | 121.76 | 127.28 |
| 38 | 3 | 304 | KC1 | C1C-C2C-C3C | -3.93 | 102.84 | 106.98 |
| 30 | 3 | 305 | CLA | C4A-NA-C1A | -3.93 | 104.89 | 106.68 |
| 30 | 16 | 302 | CLA | C1D-CHD-C4C | -3.93 | 117.66 | 126.02 |
| 30 | 16 | 309 | CLA | C1C-C2C-C3C | -3.93 | 102.84 | 106.98 |
| 30 | 13 | 309 | CLA | C1D-CHD-C4C | -3.93 | 117.66 | 126.02 |
| 37 | 15 | 321 | A86 | C36-C31-C32 | -3.93 | 115.80 | 119.70 |
| 38 | 3 | 308 | KC1 | C2A-C1A-NA | 3.93 | 115.64 | 109.34 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 16 | 307 | CLA | C1D-CHD-C4C | -3.93 | 117.67 | 126.02 |
| 30 | F | 202 | CLA | C1D-CHD-C4C | -3.93 | 117.67 | 126.02 |
| 30 | 1 | 307 | CLA | C1D-CHD-C4C | -3.93 | 117.67 | 126.02 |
| 30 | 3 | 307 | CLA | C1C-C2C-C3C | -3.93 | 102.85 | 106.98 |
| 30 | 7 | 312 | CLA | C1C-C2C-C3C | -3.93 | 102.85 | 106.98 |
| 30 | 15 | 303 | CLA | C3C-C4C-NC | 3.93 | 115.46 | 110.43 |
| 38 | 13 | 310 | KC1 | C1C-C2C-C3C | -3.93 | 102.85 | 106.98 |
| 37 | 15 | 317 | A86 | C25-C26-C27 | -3.93 | 121.77 | 127.28 |
| 30 | 4 | 302 | CLA | C1D-CHD-C4C | -3.93 | 117.67 | 126.02 |
| 37 | 10 | 301 | A86 | C12-C11-C13 | 3.93 | 122.37 | 116.00 |
| 30 | 2 | 303 | CLA | C1C-C2C-C3C | -3.93 | 102.85 | 106.98 |
| 39 | 16 | 313 | DD6 | C21-C20-C15 | -3.93 | 115.84 | 122.30 |
| 38 | 3 | 304 | KC1 | C2C-C1C-NC | 3.93 | 115.31 | 110.45 |
| 30 | B | 821 | CLA | C3D-C2D-C1D | -3.93 | 100.47 | 105.83 |
| 30 | 8 | 302 | CLA | CMB-C2B-C3B | 3.93 | 132.53 | 124.68 |
| 30 | B | 822 | CLA | O2D-CGD-CBD | 3.92 | 118.09 | 111.23 |
| 38 | 4 | 307 | KC1 | C2C-C1C-NC | 3.92 | 115.31 | 110.45 |
| 39 | 6 | 319 | DD6 | C7-C6-C8 | -3.92 | 112.09 | 118.09 |
| 30 | 15 | 312 | CLA | C1D-CHD-C4C | -3.92 | 117.68 | 126.02 |
| 38 | 13 | 311 | KC1 | C1C-C2C-C3C | -3.92 | 102.86 | 106.98 |
| 30 | 10 | 309 | CLA | CHD-C1D-ND | -3.92 | 119.28 | 124.80 |
| 38 | 8 | 306 | KC1 | C2C-C1C-NC | 3.92 | 115.30 | 110.45 |
| 30 | 15 | 311 | CLA | C1D-CHD-C4C | -3.92 | 117.69 | 126.02 |
| 38 | 5 | 305 | KC1 | C1A-NA-C4A | -3.92 | 104.89 | 106.68 |
| 30 | 1 | 302 | CLA | CHD-C1D-ND | -3.92 | 119.28 | 124.80 |
| 30 | 9 | 302 | CLA | C1C-C2C-C3C | -3.92 | 102.86 | 106.98 |
| 30 | 14 | 309 | CLA | C1D-CHD-C4C | -3.92 | 117.69 | 126.02 |
| 30 | 6 | 315 | CLA | C1D-CHD-C4C | -3.92 | 117.69 | 126.02 |
| 38 | 11 | 305 | KC1 | C1C-C2C-C3C | -3.92 | 102.86 | 106.98 |
| 30 | 1 | 305 | CLA | C1C-C2C-C3C | -3.92 | 102.86 | 106.98 |
| 30 | 5 | 304 | CLA | CHD-C1D-ND | -3.92 | 119.29 | 124.80 |
| 38 | 14 | 311 | KC1 | CBA-CAA-C2A | -3.92 | 109.72 | 125.45 |
| 30 | 16 | 301 | CLA | CHD-C1D-ND | -3.92 | 119.29 | 124.80 |
| 30 | 15 | 311 | CLA | C1C-C2C-C3C | -3.92 | 102.86 | 106.98 |
| 30 | A | 803 | CLA | C2C-C1C-NC | 3.92 | 114.10 | 109.98 |
| 30 | A | 844 | CLA | CHD-C1D-ND | -3.92 | 119.29 | 124.80 |
| 30 | B | 820 | CLA | CHD-C1D-ND | -3.92 | 119.29 | 124.80 |
| 30 | A | 819 | CLA | C3C-C4C-NC | 3.92 | 115.45 | 110.43 |
| 30 | B | 851 | CLA | CAA-C2A-C3A | -3.92 | 102.42 | 113.00 |
| 30 | F | 202 | CLA | C3D-C4D-ND | 3.92 | 116.35 | 109.99 |
| 30 | 13 | 307 | CLA | CHD-C1D-ND | -3.92 | 119.29 | 124.80 |
| 30 | 1 | 302 | CLA | C4A-NA-C1A | -3.91 | 104.89 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 11 | 304 | CLA | C4A-NA-C1A | -3.91 | 104.89 | 106.68 |
| 30 | 9 | 303 | CLA | CHD-C1D-ND | -3.91 | 119.29 | 124.80 |
| 30 | 8 | 305 | CLA | C3C-C4C-NC | 3.91 | 115.44 | 110.43 |
| 30 | 7 | 307 | CLA | CHD-C1D-ND | -3.91 | 119.30 | 124.80 |
| 30 | A | 836 | CLA | C4A-NA-C1A | -3.91 | 104.89 | 106.68 |
| 30 | 10 | 303 | CLA | C1D-CHD-C4C | -3.91 | 117.70 | 126.02 |
| 30 | L | 203 | CLA | CHD-C1D-ND | -3.91 | 119.30 | 124.80 |
| 30 | 8 | 308 | CLA | C1C-C2C-C3C | -3.91 | 102.87 | 106.98 |
| 30 | 12 | 302 | CLA | C1C-C2C-C3C | -3.91 | 102.87 | 106.98 |
| 38 | 10 | 310 | KC1 | C1C-C2C-C3C | -3.91 | 102.87 | 106.98 |
| 38 | 3 | 304 | KC1 | C4B-C3B-C2B | -3.91 | 103.42 | 106.81 |
| 30 | B | 829 | CLA | CHD-C1D-ND | -3.91 | 119.30 | 124.80 |
| 38 | 6 | 313 | KC1 | C1A-NA-C4A | -3.91 | 104.89 | 106.68 |
| 37 | 2u | 203 | A86 | C25-C24-C1 | -3.91 | 115.64 | 126.36 |
| 39 | 2 | 315 | DD6 | O1-C20-C21 | -3.91 | 110.68 | 115.05 |
| 38 | 8 | 312 | KC1 | CHC-C1C-C2C | -3.91 | 118.86 | 125.03 |
| 30 | B | 807 | CLA | C3C-C4C-NC | 3.91 | 115.44 | 110.43 |
| 37 | 7 | 316 | A86 | C4-C3-C2 | -3.91 | 115.52 | 123.52 |
| 38 | 9 | 310 | KC1 | CHC-C1C-C2C | -3.91 | 118.86 | 125.03 |
| 30 | 6 | 315 | CLA | C1C-C2C-C3C | -3.91 | 102.87 | 106.98 |
| 30 | 15 | 314 | CLA | C1C-C2C-C3C | -3.91 | 102.87 | 106.98 |
| 30 | B | 832 | CLA | C4A-NA-C1A | -3.91 | 104.90 | 106.68 |
| 37 | 2u | 205 | A86 | C36-C31-C32 | -3.91 | 115.82 | 119.70 |
| 30 | B | 837 | CLA | C1D-CHD-C4C | -3.91 | 117.72 | 126.02 |
| 30 | 7 | 307 | CLA | C2C-C1C-NC | 3.91 | 114.08 | 109.98 |
| 30 | 6 | 316 | CLA | C1D-CHD-C4C | -3.91 | 117.72 | 126.02 |
| 37 | 5 | 301 | A86 | C41-C32-C31 | -3.91 | 106.98 | 110.47 |
| 39 | 8 | 316 | DD6 | C35-C36-C31 | -3.90 | 112.37 | 120.50 |
| 30 | 6 | 304 | CLA | C1C-C2C-C3C | -3.90 | 102.87 | 106.98 |
| 30 | B | 808 | CLA | CAA-C2A-C3A | -3.90 | 102.45 | 113.00 |
| 37 | 5 | 315 | A86 | C12-C11-C13 | 3.90 | 122.33 | 116.00 |
| 38 | 5 | 306 | KC1 | CHC-C1C-C2C | -3.90 | 118.86 | 125.03 |
| 30 | 9 | 305 | CLA | CHD-C1D-ND | -3.90 | 119.31 | 124.80 |
| 30 | 12 | 303 | CLA | C1D-CHD-C4C | -3.90 | 117.72 | 126.02 |
| 30 | B | 833 | CLA | CHD-C1D-ND | -3.90 | 119.31 | 124.80 |
| 30 | 8 | 309 | CLA | C1D-CHD-C4C | -3.90 | 117.73 | 126.02 |
| 33 | L | 201 | BCR | C2-C1-C6 | 3.90 | 116.11 | 110.44 |
| 35 | A | 854 | LMT | C1B-O5B-C5B | 3.90 | 121.34 | 113.72 |
| 30 | 3 | 310 | CLA | C4A-NA-C1A | -3.90 | 104.90 | 106.68 |
| 30 | 8 | 303 | CLA | C4A-NA-C1A | -3.90 | 104.90 | 106.68 |
| 30 | 12 | 304 | CLA | CBA-CAA-C2A | 3.90 | 125.39 | 113.79 |
| 30 | 2 | 308 | CLA | C2C-C1C-NC | 3.90 | 114.08 | 109.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 302 | CLA | C1C-C2C-C3C | -3.90 | 102.88 | 106.98 |
| 30 | B | 823 | CLA | C1D-CHD-C4C | -3.90 | 117.74 | 126.02 |
| 30 | 13 | 302 | CLA | C1D-CHD-C4C | -3.90 | 117.74 | 126.02 |
| 30 | 15 | 313 | CLA | C1D-CHD-C4C | -3.90 | 117.74 | 126.02 |
| 30 | B | 815 | CLA | C3D-C4D-ND | 3.90 | 116.32 | 109.99 |
| 30 | 4 | 306 | CLA | CHD-C1D-ND | -3.90 | 119.32 | 124.80 |
| 30 | 16 | 301 | CLA | C3C-C4C-NC | 3.90 | 115.42 | 110.43 |
| 37 | 2u | 203 | A86 | C3-C2-C1 | -3.90 | 121.81 | 127.28 |
| 30 | 5 | 311 | CLA | C1C-C2C-C3C | -3.90 | 102.88 | 106.98 |
| 30 | 3 | 307 | CLA | C1D-CHD-C4C | -3.89 | 117.74 | 126.02 |
| 37 | 12 | 316 | A86 | C25-C26-C27 | -3.89 | 121.82 | 127.28 |
| 39 | 7 | 318 | DD6 | C22-C16-C15 | 3.89 | 120.56 | 110.05 |
| 30 | B | 828 | CLA | CHD-C1D-ND | -3.89 | 119.32 | 124.80 |
| 30 | 1 | 307 | CLA | C1C-C2C-C3C | -3.89 | 102.89 | 106.98 |
| 30 | 14 | 309 | CLA | C1C-C2C-C3C | -3.89 | 102.89 | 106.98 |
| 30 | 10 | 307 | CLA | C3C-C4C-NC | 3.89 | 115.42 | 110.43 |
| 30 | B | 809 | CLA | CAA-C2A-C3A | -3.89 | 102.48 | 113.00 |
| 30 | 4 | 302 | CLA | O2D-CGD-CBD | 3.89 | 118.03 | 111.23 |
| 30 | B | 827 | CLA | C3C-C4C-NC | 3.89 | 115.41 | 110.43 |
| 30 | A | 842 | CLA | CHD-C1D-ND | -3.89 | 119.33 | 124.80 |
| 30 | B | 830 | CLA | C3C-C4C-NC | 3.89 | 115.41 | 110.43 |
| 30 | A | 820 | CLA | C1C-C2C-C3C | -3.89 | 102.89 | 106.98 |
| 30 | A | 839 | CLA | C1D-CHD-C4C | -3.89 | 117.75 | 126.02 |
| 30 | 9 | 309 | CLA | C1D-CHD-C4C | -3.89 | 117.75 | 126.02 |
| 30 | B | 815 | CLA | CHD-C1D-ND | -3.89 | 119.33 | 124.80 |
| 30 | 15 | 308 | CLA | CAC-C3C-C4C | 3.89 | 129.85 | 124.79 |
| 30 | A | 825 | CLA | C1C-C2C-C3C | -3.89 | 102.89 | 106.98 |
| 30 | 12 | 312 | CLA | C1D-CHD-C4C | -3.89 | 117.76 | 126.02 |
| 30 | 3 | 305 | CLA | C3D-C4D-ND | 3.89 | 116.30 | 109.99 |
| 38 | 2 | 306 | KC1 | C1C-C2C-C3C | -3.88 | 102.89 | 106.98 |
| 30 | B | 833 | CLA | C1D-CHD-C4C | -3.88 | 117.77 | 126.02 |
| 30 | 7 | 306 | CLA | C3C-C4C-NC | 3.88 | 115.40 | 110.43 |
| 30 | A | 829 | CLA | C3D-C4D-ND | 3.88 | 116.30 | 109.99 |
| 30 | 8 | 302 | CLA | C1D-CHD-C4C | -3.88 | 117.77 | 126.02 |
| 30 | 2 | 304 | CLA | C1C-C2C-C3C | -3.88 | 102.90 | 106.98 |
| 30 | A | 815 | CLA | C4A-NA-C1A | -3.88 | 104.91 | 106.68 |
| 30 | 6 | 317 | CLA | C4A-NA-C1A | -3.88 | 104.91 | 106.68 |
| 30 | 8 | 309 | CLA | C4A-NA-C1A | -3.88 | 104.91 | 106.68 |
| 38 | 1 | 306 | KC1 | C2C-C1C-NC | 3.88 | 115.25 | 110.45 |
| 39 | 12 | 315 | DD6 | C37-C36-C35 | -3.88 | 107.29 | 114.42 |
| 30 | 1 | 307 | CLA | CHD-C1D-ND | -3.88 | 119.34 | 124.80 |
| 30 | 5 | 307 | CLA | C3C-C4C-NC | 3.88 | 115.40 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 1 | 308 | KC1 | CAA-C2A-C1A | -3.88 | 107.65 | 124.64 |
| 30 | 5 | 309 | CLA | CHD-C1D-ND | -3.88 | 119.35 | 124.80 |
| 38 | 6 | 313 | KC1 | C1C-C2C-C3C | -3.88 | 102.90 | 106.98 |
| 30 | A | 816 | CLA | C1D-CHD-C4C | -3.88 | 117.78 | 126.02 |
| 30 | A | 840 | CLA | C1D-CHD-C4C | -3.88 | 117.78 | 126.02 |
| 30 | B | 821 | CLA | C1C-C2C-C3C | -3.88 | 102.90 | 106.98 |
| 30 | 12 | 304 | CLA | C1D-CHD-C4C | -3.88 | 117.78 | 126.02 |
| 30 | 16 | 310 | CLA | C4A-NA-C1A | -3.88 | 104.91 | 106.68 |
| 30 | B | 811 | CLA | C1D-CHD-C4C | -3.87 | 117.78 | 126.02 |
| 30 | A | 806 | CLA | CAC-C3C-C4C | 3.87 | 129.83 | 124.79 |
| 30 | A | 824 | CLA | C1D-CHD-C4C | -3.87 | 117.79 | 126.02 |
| 30 | 9 | 307 | CLA | C3D-C4D-ND | 3.87 | 116.28 | 109.99 |
| 30 | B | 811 | CLA | C4A-NA-C1A | -3.87 | 104.91 | 106.68 |
| 38 | 2 | 314 | KC1 | C1A-NA-C4A | -3.87 | 104.91 | 106.68 |
| 30 | 12 | 310 | CLA | C1C-C2C-C3C | -3.87 | 102.91 | 106.98 |
| 30 | 11 | 309 | CLA | C1D-CHD-C4C | -3.87 | 117.79 | 126.02 |
| 30 | 12 | 303 | CLA | C3D-C4D-ND | 3.87 | 116.28 | 109.99 |
| 30 | 9 | 307 | CLA | CHD-C1D-ND | -3.87 | 119.36 | 124.80 |
| 30 | 2 | 305 | CLA | C1C-C2C-C3C | -3.87 | 102.91 | 106.98 |
| 38 | 7 | 308 | KC1 | C1C-C2C-C3C | -3.87 | 102.91 | 106.98 |
| 30 | 10 | 305 | CLA | C1C-C2C-C3C | -3.87 | 102.91 | 106.98 |
| 30 | A | 826 | CLA | C3C-C4C-NC | 3.87 | 115.39 | 110.43 |
| 38 | 8 | 310 | KC1 | CAA-CBA-CGA | -3.87 | 107.37 | 127.05 |
| 38 | 11 | 305 | KC1 | C4B-C3B-C2B | -3.87 | 103.46 | 106.81 |
| 38 | 14 | 311 | KC1 | CHC-C1C-C2C | -3.87 | 118.92 | 125.03 |
| 37 | 5 | 301 | A86 | C36-C31-C32 | -3.87 | 115.86 | 119.70 |
| 38 | 14 | 308 | KC1 | C4B-C3B-C2B | -3.87 | 103.46 | 106.81 |
| 30 | A | 829 | CLA | CAA-C2A-C3A | -3.87 | 102.55 | 113.00 |
| 38 | 14 | 311 | KC1 | C2A-C1A-NA | 3.87 | 115.54 | 109.34 |
| 39 | 8 | 317 | DD6 | C37-C36-C35 | -3.87 | 107.31 | 114.42 |
| 30 | 6 | 306 | CLA | C1D-CHD-C4C | -3.86 | 117.81 | 126.02 |
| 30 | 6 | 304 | CLA | CBC-CAC-C3C | -3.86 | 101.94 | 112.42 |
| 30 | B | 851 | CLA | CHD-C1D-ND | -3.86 | 119.37 | 124.80 |
| 30 | 5 | 308 | CLA | CHD-C1D-ND | -3.86 | 119.37 | 124.80 |
| 30 | F | 201 | CLA | O2D-CGD-CBD | 3.86 | 117.98 | 111.23 |
| 30 | A | 826 | CLA | C1C-C2C-C3C | -3.86 | 102.92 | 106.98 |
| 38 | 5 | 305 | KC1 | C1C-C2C-C3C | -3.86 | 102.92 | 106.98 |
| 30 | 9 | 307 | CLA | C3C-C4C-NC | 3.86 | 115.38 | 110.43 |
| 30 | B | 814 | CLA | C3D-C2D-C1D | -3.86 | 100.56 | 105.83 |
| 30 | 8 | 303 | CLA | C1C-C2C-C3C | -3.86 | 102.92 | 106.98 |
| 30 | 12 | 312 | CLA | C1C-C2C-C3C | -3.86 | 102.92 | 106.98 |
| 30 | L | 203 | CLA | C1D-CHD-C4C | -3.86 | 117.82 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 825 | CLA | CHD-C1D-ND | -3.86 | 119.37 | 124.80 |
| 30 | 4 | 309 | CLA | C1C-C2C-C3C | -3.86 | 102.92 | 106.98 |
| 30 | 2u | 202 | CLA | CHD-C1D-ND | -3.86 | 119.37 | 124.80 |
| 39 | 16 | 313 | DD6 | O1-C20-C21 | -3.86 | 110.74 | 115.05 |
| 30 | B | 805 | CLA | C3B-C4B-NB | 3.86 | 114.20 | 109.21 |
| 38 | 11 | 307 | KC1 | CAC-C3C-C4C | 3.86 | 129.81 | 124.79 |
| 30 | 4 | 302 | CLA | CHD-C1D-ND | -3.86 | 119.38 | 124.80 |
| 30 | A | 835 | CLA | O2D-CGD-O1D | -3.86 | 116.34 | 123.85 |
| 30 | A | 809 | CLA | C1D-CHD-C4C | -3.86 | 117.82 | 126.02 |
| 30 | B | 839 | CLA | CHD-C1D-ND | -3.86 | 119.38 | 124.80 |
| 30 | 5 | 302 | CLA | CHD-C1D-ND | -3.86 | 119.38 | 124.80 |
| 39 | 15 | 318 | DD6 | C21-C20-C15 | -3.86 | 115.96 | 122.30 |
| 38 | 2 | 314 | KC1 | C2C-C1C-NC | 3.85 | 115.22 | 110.45 |
| 30 | 7 | 306 | CLA | C3D-C4D-ND | 3.85 | 116.25 | 109.99 |
| 30 | 13 | 307 | CLA | C1D-CHD-C4C | -3.85 | 117.84 | 126.02 |
| 30 | 16 | 303 | CLA | C1D-CHD-C4C | -3.85 | 117.84 | 126.02 |
| 37 | 11 | 315 | A86 | C3-C2-C1 | -3.85 | 121.88 | 127.28 |
| 30 | 4 | 301 | CLA | C3C-C4C-NC | 3.85 | 115.36 | 110.43 |
| 30 | 3 | 310 | CLA | C1D-CHD-C4C | -3.85 | 117.84 | 126.02 |
| 30 | 15 | 307 | CLA | C1D-CHD-C4C | -3.85 | 117.84 | 126.02 |
| 30 | A | 842 | CLA | C3C-C4C-NC | 3.85 | 115.36 | 110.43 |
| 30 | 7 | 303 | CLA | C3C-C4C-NC | 3.85 | 115.36 | 110.43 |
| 30 | A | 810 | CLA | C1C-C2C-C3C | -3.85 | 102.93 | 106.98 |
| 30 | 15 | 304 | CLA | C3C-C4C-NC | 3.85 | 115.36 | 110.43 |
| 30 | 9 | 305 | CLA | C1D-CHD-C4C | -3.85 | 117.84 | 126.02 |
| 38 | 13 | 308 | KC1 | C2C-C1C-NC | 3.85 | 115.21 | 110.45 |
| 37 | 7 | 315 | A86 | C9-C10-C11 | -3.85 | 115.77 | 126.64 |
| 30 | 15 | 310 | CLA | C1D-CHD-C4C | -3.85 | 117.85 | 126.02 |
| 30 | B | 838 | CLA | C3B-C4B-NB | 3.85 | 114.18 | 109.21 |
| 30 | B | 809 | CLA | C1D-CHD-C4C | -3.84 | 117.85 | 126.02 |
| 30 | 2 | 307 | CLA | C1D-CHD-C4C | -3.84 | 117.85 | 126.02 |
| 38 | 13 | 308 | KC1 | C1C-C2C-C3C | -3.84 | 102.94 | 106.98 |
| 37 | 6 | 320 | A86 | C9-C8-C6 | -3.84 | 115.83 | 126.36 |
| 37 | 11 | 316 | A86 | C36-C31-C32 | -3.84 | 115.88 | 119.70 |
| 30 | A | 843 | CLA | CHD-C1D-ND | -3.84 | 119.39 | 124.80 |
| 37 | 9 | 313 | A86 | O1-C20-C21 | -3.84 | 110.75 | 115.05 |
| 30 | 16 | 310 | CLA | C1C-C2C-C3C | -3.84 | 102.94 | 106.98 |
| 38 | 12 | 309 | KC1 | C1C-C2C-C3C | -3.84 | 102.94 | 106.98 |
| 30 | 2 | 301 | CLA | CHD-C1D-ND | -3.84 | 119.40 | 124.80 |
| 30 | 9 | 302 | CLA | C1-O2A-CGA | 3.84 | 125.95 | 116.65 |
| 30 | 16 | 306 | CLA | CAC-C3C-C4C | 3.84 | 129.79 | 124.79 |
| 30 | A | 832 | CLA | CHD-C1D-ND | -3.84 | 119.40 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 309 | CLA | C1D-CHD-C4C | -3.84 | 117.86 | 126.02 |
| 30 | 9 | 305 | CLA | C4A-NA-C1A | -3.84 | 104.93 | 106.68 |
| 37 | 7 | 319 | A86 | C24-C1-C2 | 3.84 | 125.05 | 119.01 |
| 30 | 15 | 306 | CLA | CHD-C1D-ND | -3.84 | 119.40 | 124.80 |
| 38 | 6 | 313 | KC1 | C2C-C1C-NC | 3.84 | 115.20 | 110.45 |
| 30 | A | 812 | CLA | C3C-C4C-NC | 3.84 | 115.35 | 110.43 |
| 38 | 13 | 312 | KC1 | C1C-C2C-C3C | -3.84 | 102.94 | 106.98 |
| 30 | 5 | 308 | CLA | C1D-CHD-C4C | -3.84 | 117.86 | 126.02 |
| 30 | A | 815 | CLA | C1D-CHD-C4C | -3.84 | 117.87 | 126.02 |
| 38 | 5 | 310 | KC1 | C2C-C1C-NC | 3.84 | 115.20 | 110.45 |
| 30 | 12 | 303 | CLA | C1C-C2C-C3C | -3.83 | 102.95 | 106.98 |
| 30 | B | 816 | CLA | C1D-CHD-C4C | -3.83 | 117.87 | 126.02 |
| 30 | 14 | 313 | CLA | C1D-CHD-C4C | -3.83 | 117.87 | 126.02 |
| 30 | 3 | 301 | CLA | C1D-CHD-C4C | -3.83 | 117.87 | 126.02 |
| 30 | A | 830 | CLA | C3D-C2D-C1D | -3.83 | 100.60 | 105.83 |
| 30 | 2 | 307 | CLA | C1C-C2C-C3C | -3.83 | 102.95 | 106.98 |
| 30 | 13 | 301 | CLA | CHD-C1D-ND | -3.83 | 119.41 | 124.80 |
| 30 | A | 826 | CLA | C1D-CHD-C4C | -3.83 | 117.88 | 126.02 |
| 30 | B | 821 | CLA | C1D-CHD-C4C | -3.83 | 117.88 | 126.02 |
| 30 | B | 832 | CLA | C1D-CHD-C4C | -3.83 | 117.88 | 126.02 |
| 30 | B | 828 | CLA | O2D-CGD-O1D | -3.83 | 116.39 | 123.85 |
| 30 | 6 | 305 | CLA | C1C-C2C-C3C | -3.83 | 102.95 | 106.98 |
| 38 | 5 | 312 | KC1 | C2C-C1C-NC | 3.83 | 115.19 | 110.45 |
| 38 | 7 | 313 | KC1 | CAA-C2A-C1A | -3.83 | 107.87 | 124.64 |
| 30 | 12 | 321 | CLA | CHD-C1D-ND | -3.83 | 119.42 | 124.80 |
| 30 | A | 827 | CLA | C3C-C4C-NC | 3.83 | 115.33 | 110.43 |
| 30 | A | 825 | CLA | C4A-NA-C1A | -3.83 | 104.93 | 106.68 |
| 30 | 13 | 304 | CLA | C4A-NA-C1A | -3.83 | 104.93 | 106.68 |
| 30 | B | 811 | CLA | C1C-C2C-C3C | -3.83 | 102.95 | 106.98 |
| 38 | 2 | 312 | KC1 | CAA-CBA-CGA | -3.83 | 107.59 | 127.05 |
| 30 | B | 836 | CLA | C3C-C4C-NC | 3.83 | 115.33 | 110.43 |
| 39 | 15 | 318 | DD6 | C37-C36-C35 | -3.83 | 107.39 | 114.42 |
| 30 | A | 809 | CLA | C1C-C2C-C3C | -3.82 | 102.96 | 106.98 |
| 30 | B | 810 | CLA | C3C-C4C-NC | 3.82 | 115.33 | 110.43 |
| 38 | 16 | 311 | KC1 | C2C-C1C-NC | 3.82 | 115.18 | 110.45 |
| 30 | B | 806 | CLA | CHD-C1D-ND | -3.82 | 119.42 | 124.80 |
| 30 | 2 | 305 | CLA | CHD-C1D-ND | -3.82 | 119.42 | 124.80 |
| 30 | 16 | 306 | CLA | C3D-C2D-C1D | -3.82 | 100.62 | 105.83 |
| 37 | 14 | 317 | A86 | C3-C2-C1 | -3.82 | 121.92 | 127.28 |
| 38 | 5 | 305 | KC1 | C2C-C1C-NC | 3.82 | 115.18 | 110.45 |
| 38 | 3 | 308 | KC1 | CMB-C2B-C1B | 3.82 | 131.45 | 124.73 |
| 30 | B | 804 | CLA | C1D-CHD-C4C | -3.82 | 117.91 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 839 | CLA | C1C-C2C-C3C | -3.82 | 102.97 | 106.98 |
| 37 | 7 | 316 | A86 | C8-C6-C5 | -3.82 | 113.00 | 119.01 |
| 38 | 2 | 314 | KC1 | C1C-C2C-C3C | -3.82 | 102.97 | 106.98 |
| 30 | 15 | 308 | CLA | C4A-NA-C1A | -3.82 | 104.94 | 106.68 |
| 30 | B | 814 | CLA | C3C-C4C-NC | 3.81 | 115.32 | 110.43 |
| 30 | 8 | 308 | CLA | C1D-CHD-C4C | -3.81 | 117.91 | 126.02 |
| 30 | 5 | 309 | CLA | C1D-CHD-C4C | -3.81 | 117.92 | 126.02 |
| 30 | 10 | 304 | CLA | C1D-CHD-C4C | -3.81 | 117.92 | 126.02 |
| 30 | A | 822 | CLA | C1C-C2C-C3C | -3.81 | 102.97 | 106.98 |
| 37 | 4 | 314 | A86 | C3-C2-C1 | -3.81 | 121.93 | 127.28 |
| 30 | 9 | 308 | CLA | C1D-CHD-C4C | -3.81 | 117.92 | 126.02 |
| 30 | 2 | 303 | CLA | CHD-C1D-ND | -3.81 | 119.44 | 124.80 |
| 30 | 16 | 302 | CLA | CHD-C1D-ND | -3.81 | 119.44 | 124.80 |
| 30 | B | 803 | CLA | C4C-C3C-C2C | -3.81 | 101.34 | 106.89 |
| 30 | A | 838 | CLA | C3D-C4D-ND | 3.81 | 116.18 | 109.99 |
| 30 | 9 | 306 | CLA | C3C-C4C-NC | 3.81 | 115.31 | 110.43 |
| 38 | 11 | 311 | KC1 | CBA-CAA-C2A | -3.81 | 110.16 | 125.45 |
| 30 | A | 828 | CLA | C3D-C4D-ND | 3.81 | 116.18 | 109.99 |
| 30 | A | 802 | CLA | CMB-C2B-C3B | 3.81 | 132.29 | 124.68 |
| 30 | 8 | 309 | CLA | C1C-C2C-C3C | -3.81 | 102.97 | 106.98 |
| 30 | A | 809 | CLA | CHD-C1D-ND | -3.81 | 119.44 | 124.80 |
| 30 | A | 816 | CLA | CHD-C1D-ND | -3.81 | 119.44 | 124.80 |
| 30 | 6 | 317 | CLA | C1D-CHD-C4C | -3.81 | 117.93 | 126.02 |
| 30 | A | 802 | CLA | C3C-C4C-NC | 3.81 | 115.31 | 110.43 |
| 30 | B | 827 | CLA | C1D-CHD-C4C | -3.81 | 117.93 | 126.02 |
| 29 | A | 801 | CL0 | CMA-C3A-C2A | -3.81 | 99.27 | 113.98 |
| 39 | 7 | 318 | DD6 | C21-C20-C19 | -3.81 | 109.97 | 114.24 |
| 37 | 12 | 314 | A86 | C40-C32-C31 | -3.81 | 107.07 | 110.47 |
| 30 | 3 | 303 | CLA | C1D-CHD-C4C | -3.81 | 117.93 | 126.02 |
| 30 | 14 | 312 | CLA | C1D-CHD-C4C | -3.81 | 117.93 | 126.02 |
| 38 | 16 | 304 | KC1 | CBA-CAA-C2A | -3.81 | 110.18 | 125.45 |
| 30 | 8 | 309 | CLA | CHD-C1D-ND | -3.80 | 119.45 | 124.80 |
| 38 | 13 | 311 | KC1 | C2C-C1C-NC | 3.80 | 115.16 | 110.45 |
| 30 | 15 | 313 | CLA | C1C-C2C-C3C | -3.80 | 102.98 | 106.98 |
| 30 | A | 817 | CLA | C1D-CHD-C4C | -3.80 | 117.94 | 126.02 |
| 30 | 6 | 309 | CLA | C1D-CHD-C4C | -3.80 | 117.94 | 126.02 |
| 30 | A | 824 | CLA | C1-C2-C3 | -3.80 | 119.97 | 126.20 |
| 30 | A | 807 | CLA | CHD-C1D-ND | -3.80 | 119.46 | 124.80 |
| 39 | 10 | 313 | DD6 | C21-C20-C15 | -3.80 | 116.05 | 122.30 |
| 30 | B | 811 | CLA | C3C-C4C-NC | 3.80 | 115.29 | 110.43 |
| 30 | A | 816 | CLA | C3B-C4B-NB | 3.79 | 114.12 | 109.21 |
| 30 | A | 819 | CLA | CHD-C1D-ND | -3.79 | 119.46 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 809 | CLA | C3D-C4D-ND | 3.79 | 116.16 | 109.99 |
| 38 | 7 | 308 | KC1 | C1A-NA-C4A | -3.79 | 104.95 | 106.68 |
| 30 | 11 | 306 | CLA | C1D-CHD-C4C | -3.79 | 117.96 | 126.02 |
| 30 | A | 838 | CLA | C3C-C4C-NC | 3.79 | 115.29 | 110.43 |
| 38 | 14 | 308 | KC1 | C1A-NA-C4A | -3.79 | 104.95 | 106.68 |
| 30 | 9 | 309 | CLA | CHD-C1D-ND | -3.79 | 119.47 | 124.80 |
| 30 | 12 | 303 | CLA | C3C-C4C-NC | 3.79 | 115.29 | 110.43 |
| 30 | 13 | 309 | CLA | C3C-C4C-NC | 3.79 | 115.29 | 110.43 |
| 30 | B | 825 | CLA | C3D-C4D-ND | 3.79 | 116.15 | 109.99 |
| 38 | 11 | 311 | KC1 | C4B-C3B-C2B | -3.79 | 103.53 | 106.81 |
| 30 | 15 | 310 | CLA | C3B-C4B-NB | 3.79 | 114.11 | 109.21 |
| 30 | B | 805 | CLA | C1C-C2C-C3C | -3.79 | 103.00 | 106.98 |
| 30 | 7 | 304 | CLA | CAA-C2A-C3A | -3.79 | 102.76 | 113.00 |
| 30 | A | 825 | CLA | CAC-C3C-C4C | 3.79 | 129.72 | 124.79 |
| 38 | 8 | 313 | KC1 | CHC-C1C-C2C | -3.79 | 119.05 | 125.03 |
| 30 | A | 834 | CLA | C1C-C2C-C3C | -3.79 | 103.00 | 106.98 |
| 30 | 15 | 306 | CLA | C3C-C4C-NC | 3.79 | 115.28 | 110.43 |
| 30 | A | 821 | CLA | C1D-CHD-C4C | -3.79 | 117.97 | 126.02 |
| 37 | 14 | 301 | A86 | C25-C26-C27 | -3.79 | 121.97 | 127.28 |
| 38 | 6 | 311 | KC1 | CBA-CAA-C2A | -3.79 | 110.26 | 125.45 |
| 30 | B | 803 | CLA | O2D-CGD-CBD | 3.79 | 117.85 | 111.23 |
| 38 | 12 | 311 | KC1 | C2C-C1C-NC | 3.78 | 115.13 | 110.45 |
| 30 | 14 | 305 | CLA | C4A-NA-C1A | -3.78 | 104.95 | 106.68 |
| 30 | 5 | 309 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 30 | A | 812 | CLA | C1D-CHD-C4C | -3.78 | 117.98 | 126.02 |
| 38 | 10 | 312 | KC1 | C4B-C3B-C2B | -3.78 | 103.53 | 106.81 |
| 30 | A | 835 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 38 | 10 | 310 | KC1 | CBA-CAA-C2A | -3.78 | 110.27 | 125.45 |
| 30 | 15 | 303 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 30 | 10 | 309 | CLA | O2D-CGD-CBD | 3.78 | 117.84 | 111.23 |
| 30 | A | 844 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 30 | 14 | 305 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 38 | 4 | 308 | KC1 | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 30 | 2 | 313 | CLA | C1D-CHD-C4C | -3.78 | 117.99 | 126.02 |
| 30 | 16 | 307 | CLA | C1C-C2C-C3C | -3.78 | 103.00 | 106.98 |
| 39 | 6 | 318 | DD6 | C21-C20-C19 | -3.78 | 110.00 | 114.24 |
| 30 | 6 | 309 | CLA | CHD-C1D-ND | -3.78 | 119.49 | 124.80 |
| 30 | 13 | 301 | CLA | C1-C2-C3 | -3.78 | 120.01 | 126.20 |
| 37 | 14 | 314 | A86 | C41-C32-C31 | -3.78 | 107.09 | 110.47 |
| 30 | B | 838 | CLA | C4A-NA-C1A | -3.78 | 104.96 | 106.68 |
| 30 | A | 832 | CLA | C3C-C4C-NC | 3.78 | 115.27 | 110.43 |
| 39 | 5 | 313 | DD6 | C21-C20-C19 | -3.78 | 110.00 | 114.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 304 | KC1 | C1C-C2C-C3C | -3.78 | 103.01 | 106.98 |
| 30 | B | 828 | CLA | C3B-C4B-NB | 3.78 | 114.09 | 109.21 |
| 38 | 4 | 307 | KC1 | C4B-C3B-C2B | -3.78 | 103.54 | 106.81 |
| 30 | 16 | 307 | CLA | CHD-C1D-ND | -3.78 | 119.49 | 124.80 |
| 30 | A | 824 | CLA | CHD-C1D-ND | -3.77 | 119.49 | 124.80 |
| 30 | 6 | 316 | CLA | CHD-C1D-ND | -3.77 | 119.49 | 124.80 |
| 38 | 1 | 308 | KC1 | C1C-C2C-C3C | -3.77 | 103.01 | 106.98 |
| 37 | 7 | 315 | A86 | C40-C32-C31 | -3.77 | 107.09 | 110.47 |
| 30 | 2 | 309 | CLA | C4A-NA-C1A | -3.77 | 104.96 | 106.68 |
| 30 | 8 | 305 | CLA | CMB-C2B-C3B | 3.77 | 132.22 | 124.68 |
| 30 | 5 | 303 | CLA | C1D-CHD-C4C | -3.77 | 118.00 | 126.02 |
| 30 | B | 812 | CLA | C1D-CHD-C4C | -3.77 | 118.00 | 126.02 |
| 38 | 9 | 312 | KC1 | C1C-C2C-C3C | -3.77 | 103.01 | 106.98 |
| 38 | 11 | 307 | KC1 | CBA-CAA-C2A | -3.77 | 110.31 | 125.45 |
| 29 | A | 801 | CL0 | C1D-CHD-C4C | -3.77 | 118.00 | 126.02 |
| 30 | B | 826 | CLA | C1D-CHD-C4C | -3.77 | 118.00 | 126.02 |
| 30 | 5 | 308 | CLA | C1C-C2C-C3C | -3.77 | 103.01 | 106.98 |
| 30 | 1 | 304 | CLA | C4A-NA-C1A | -3.77 | 104.96 | 106.68 |
| 38 | 5 | 312 | KC1 | C1A-NA-C4A | -3.77 | 104.96 | 106.68 |
| 30 | A | 818 | CLA | C3C-C4C-NC | 3.77 | 115.26 | 110.43 |
| 30 | A | 831 | CLA | C3D-C4D-ND | 3.77 | 116.12 | 109.99 |
| 30 | 12 | 308 | CLA | C1C-C2C-C3C | -3.77 | 103.01 | 106.98 |
| 38 | 5 | 312 | KC1 | CAC-C3C-C4C | 3.77 | 129.70 | 124.79 |
| 30 | 15 | 305 | CLA | C1C-C2C-C3C | -3.77 | 103.02 | 106.98 |
| 37 | 12 | 314 | A86 | C36-C31-C32 | -3.77 | 115.96 | 119.70 |
| 30 | A | 829 | CLA | C4A-NA-C1A | -3.77 | 104.96 | 106.68 |
| 30 | 8 | 303 | CLA | C1D-CHD-C4C | -3.77 | 118.01 | 126.02 |
| 30 | 13 | 301 | CLA | C3C-C4C-NC | 3.77 | 115.26 | 110.43 |
| 30 | B | 825 | CLA | C1D-CHD-C4C | -3.77 | 118.01 | 126.02 |
| 30 | A | 818 | CLA | C4A-NA-C1A | -3.77 | 104.96 | 106.68 |
| 30 | 11 | 308 | CLA | C4A-NA-C1A | -3.77 | 104.96 | 106.68 |
| 30 | 4 | 304 | CLA | CHD-C1D-ND | -3.77 | 119.50 | 124.80 |
| 30 | 4 | 311 | CLA | C1D-CHD-C4C | -3.77 | 118.02 | 126.02 |
| 30 | 4 | 311 | CLA | CAA-C2A-C3A | -3.76 | 102.83 | 113.00 |
| 30 | 10 | 309 | CLA | C1D-CHD-C4C | -3.76 | 118.02 | 126.02 |
| 30 | 13 | 303 | CLA | C1D-CHD-C4C | -3.76 | 118.02 | 126.02 |
| 30 | 15 | 305 | CLA | C4A-NA-C1A | -3.76 | 104.96 | 106.68 |
| 39 | 4 | 316 | DD6 | C37-C36-C35 | -3.76 | 107.50 | 114.42 |
| 30 | B | 815 | CLA | C3B-C4B-NB | 3.76 | 114.07 | 109.21 |
| 30 | 4 | 305 | CLA | C1C-C2C-C3C | -3.76 | 103.02 | 106.98 |
| 30 | 14 | 303 | CLA | C1C-C2C-C3C | -3.76 | 103.02 | 106.98 |
| 30 | 10 | 305 | CLA | C1D-CHD-C4C | -3.76 | 118.03 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 33 | B | 844 | BCR | C15-C16-C17 | -3.76 | 115.82 | 123.52 |
| 30 | 6 | 307 | CLA | C3D-C2D-C1D | -3.76 | 100.70 | 105.83 |
| 30 | 10 | 303 | CLA | C1-C2-C3 | -3.76 | 120.04 | 126.20 |
| 30 | 14 | 307 | CLA | C3C-C4C-NC | 3.76 | 115.25 | 110.43 |
| 30 | A | 813 | CLA | C4A-NA-C1A | -3.76 | 104.96 | 106.68 |
| 30 | 15 | 314 | CLA | C3C-C4C-NC | 3.76 | 115.25 | 110.43 |
| 38 | 12 | 309 | KC1 | C2C-C1C-NC | 3.76 | 115.10 | 110.45 |
| 30 | B | 806 | CLA | C1C-C2C-C3C | -3.76 | 103.03 | 106.98 |
| 30 | 11 | 308 | CLA | C1C-C2C-C3C | -3.76 | 103.03 | 106.98 |
| 38 | 1 | 306 | KC1 | C1C-C2C-C3C | -3.76 | 103.03 | 106.98 |
| 30 | 15 | 307 | CLA | CHD-C1D-ND | -3.76 | 119.52 | 124.80 |
| 30 | 16 | 310 | CLA | C1D-CHD-C4C | -3.76 | 118.04 | 126.02 |
| 33 | A | 850 | BCR | C2-C1-C6 | 3.76 | 115.89 | 110.44 |
| 38 | 1 | 308 | KC1 | C2C-C1C-NC | 3.76 | 115.10 | 110.45 |
| 30 | 1 | 305 | CLA | C1D-CHD-C4C | -3.76 | 118.04 | 126.02 |
| 30 | 3 | 302 | CLA | CHD-C1D-ND | -3.76 | 119.52 | 124.80 |
| 30 | 3 | 309 | CLA | C1D-CHD-C4C | -3.76 | 118.04 | 126.02 |
| 30 | 6 | 304 | CLA | C1D-CHD-C4C | -3.75 | 118.04 | 126.02 |
| 30 | 1 | 302 | CLA | C1C-C2C-C3C | -3.75 | 103.03 | 106.98 |
| 30 | B | 826 | CLA | CHD-C1D-ND | -3.75 | 119.52 | 124.80 |
| 30 | 2 | 311 | CLA | C1D-CHD-C4C | -3.75 | 118.05 | 126.02 |
| 30 | A | 808 | CLA | C3C-C4C-NC | 3.75 | 115.23 | 110.43 |
| 30 | 6 | 307 | CLA | C1C-C2C-C3C | -3.75 | 103.03 | 106.98 |
| 39 | 3 | 312 | DD6 | C21-C20-C19 | -3.75 | 110.03 | 114.24 |
| 30 | A | 826 | CLA | C3D-C4D-ND | 3.75 | 116.08 | 109.99 |
| 30 | B | 823 | CLA | C3D-C4D-ND | 3.75 | 116.08 | 109.99 |
| 30 | 14 | 303 | CLA | C1D-CHD-C4C | -3.75 | 118.05 | 126.02 |
| 30 | 8 | 305 | CLA | C1-C2-C3 | -3.75 | 120.06 | 126.20 |
| 30 | A | 837 | CLA | C1C-C2C-C3C | -3.75 | 103.04 | 106.98 |
| 38 | 6 | 312 | KC1 | C1C-C2C-C3C | -3.75 | 103.04 | 106.98 |
| 30 | 5 | 303 | CLA | CHD-C1D-ND | -3.75 | 119.53 | 124.80 |
| 37 | 11 | 301 | A86 | C7-C6-C5 | -3.75 | 116.75 | 122.82 |
| 30 | B | 819 | CLA | C3C-C4C-NC | 3.75 | 115.23 | 110.43 |
| 37 | 9 | 313 | A86 | C23-C16-C22 | -3.74 | 101.93 | 107.37 |
| 30 | A | 802 | CLA | C1C-C2C-C3C | -3.74 | 103.04 | 106.98 |
| 38 | 9 | 312 | KC1 | C4B-C3B-C2B | -3.74 | 103.57 | 106.81 |
| 38 | 6 | 308 | KC1 | CHC-C1C-C2C | -3.74 | 119.12 | 125.03 |
| 37 | 14 | 320 | A86 | C9-C10-C11 | -3.74 | 116.06 | 126.64 |
| 30 | A | 837 | CLA | C1D-CHD-C4C | -3.74 | 118.07 | 126.02 |
| 30 | A | 822 | CLA | C4A-NA-C1A | -3.74 | 104.97 | 106.68 |
| 30 | B | 823 | CLA | C4A-NA-C1A | -3.74 | 104.97 | 106.68 |
| 30 | B | 836 | CLA | C4A-NA-C1A | -3.74 | 104.97 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 303 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | B | 817 | CLA | C3C-C4C-NC | 3.74 | 115.22 | 110.43 |
| 30 | A | 810 | CLA | C3B-C4B-NB | 3.74 | 114.05 | 109.21 |
| 30 | 10 | 304 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | 13 | 302 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | B | 802 | CLA | CHD-C1D-ND | -3.74 | 119.54 | 124.80 |
| 30 | 10 | 307 | CLA | C3D-C4D-ND | 3.74 | 116.06 | 109.99 |
| 30 | A | 824 | CLA | C3C-C4C-NC | 3.74 | 115.22 | 110.43 |
| 30 | A | 807 | CLA | O2D-CGD-CBD | 3.74 | 117.77 | 111.23 |
| 30 | A | 833 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | A | 802 | CLA | C3B-C4B-NB | 3.74 | 114.04 | 109.21 |
| 39 | 15 | 319 | DD6 | C37-C36-C35 | -3.74 | 107.55 | 114.42 |
| 38 | 11 | 311 | KC1 | C2C-C1C-NC | 3.74 | 115.08 | 110.45 |
| 30 | A | 827 | CLA | C4A-NA-C1A | -3.74 | 104.97 | 106.68 |
| 30 | 16 | 308 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | 7 | 305 | CLA | C3B-C4B-NB | 3.74 | 114.04 | 109.21 |
| 30 | B | 808 | CLA | CHD-C1D-ND | -3.74 | 119.55 | 124.80 |
| 30 | F | 201 | CLA | C1C-C2C-C3C | -3.74 | 103.05 | 106.98 |
| 30 | 2 | 310 | CLA | C3B-C4B-NB | 3.73 | 114.04 | 109.21 |
| 30 | 2u | 202 | CLA | C3C-C4C-NC | 3.73 | 115.21 | 110.43 |
| 30 | 9 | 303 | CLA | CMC-C2C-C1C | 3.73 | 130.87 | 125.03 |
| 30 | 12 | 303 | CLA | CHD-C1D-ND | -3.73 | 119.55 | 124.80 |
| 30 | 1 | 303 | CLA | C1D-CHD-C4C | -3.73 | 118.08 | 126.02 |
| 39 | 8 | 316 | DD6 | O1-C20-C21 | -3.73 | 110.88 | 115.05 |
| 38 | 6 | 312 | KC1 | C4B-C3B-C2B | -3.73 | 103.58 | 106.81 |
| 37 | 9 | 313 | A86 | C3-C4-C5 | -3.73 | 115.88 | 123.52 |
| 30 | A | 831 | CLA | C3B-C4B-NB | 3.73 | 114.04 | 109.21 |
| 38 | 3 | 304 | KC1 | C1A-NA-C4A | -3.73 | 104.98 | 106.68 |
| 37 | 2 | 302 | A86 | C3-C2-C1 | -3.73 | 122.04 | 127.28 |
| 30 | A | 822 | CLA | CHD-C1D-ND | -3.73 | 119.55 | 124.80 |
| 38 | 13 | 305 | KC1 | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | F | 201 | CLA | CAA-C2A-C3A | -3.73 | 102.92 | 113.00 |
| 38 | 8 | 313 | KC1 | CAA-CBA-CGA | -3.73 | 108.07 | 127.05 |
| 30 | A | 813 | CLA | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 38 | 2 | 312 | KC1 | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | B | 828 | CLA | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | 3 | 305 | CLA | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | 13 | 307 | CLA | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | F | 202 | CLA | CHD-C1D-ND | -3.73 | 119.56 | 124.80 |
| 30 | A | 831 | CLA | CMB-C2B-C3B | 3.73 | 132.13 | 124.68 |
| 38 | 5 | 310 | KC1 | CBA-CAA-C2A | -3.73 | 110.49 | 125.45 |
| 38 | 8 | 314 | KC1 | C2C-C1C-NC | 3.73 | 115.06 | 110.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 14 | 302 | CLA | C1D-CHD-C4C | -3.73 | 118.10 | 126.02 |
| 30 | 7 | 305 | CLA | C1C-C2C-C3C | -3.73 | 103.06 | 106.98 |
| 30 | J | 101 | CLA | CHD-C1D-ND | -3.73 | 119.56 | 124.80 |
| 30 | 7 | 305 | CLA | C1D-CHD-C4C | -3.73 | 118.10 | 126.02 |
| 30 | B | 810 | CLA | CHD-C1D-ND | -3.72 | 119.56 | 124.80 |
| 30 | 12 | 307 | CLA | C3C-C4C-NC | 3.72 | 115.20 | 110.43 |
| 30 | 6 | 309 | CLA | C1C-C2C-C3C | -3.72 | 103.06 | 106.98 |
| 30 | A | 813 | CLA | C3C-C4C-NC | 3.72 | 115.20 | 110.43 |
| 30 | 10 | 304 | CLA | C3C-C4C-NC | 3.72 | 115.20 | 110.43 |
| 38 | 13 | 312 | KC1 | C2C-C1C-NC | 3.72 | 115.06 | 110.45 |
| 38 | 3 | 311 | KC1 | C4B-C3B-C2B | -3.72 | 103.59 | 106.81 |
| 30 | B | 838 | CLA | C1D-CHD-C4C | -3.72 | 118.11 | 126.02 |
| 30 | 11 | 306 | CLA | CBA-CAA-C2A | 3.72 | 124.86 | 113.79 |
| 30 | 4 | 306 | CLA | C1D-CHD-C4C | -3.72 | 118.12 | 126.02 |
| 30 | 2 | 309 | CLA | C1C-C2C-C3C | -3.72 | 103.07 | 106.98 |
| 30 | 15 | 310 | CLA | C1C-C2C-C3C | -3.72 | 103.07 | 106.98 |
| 30 | L | 202 | CLA | CBC-CAC-C3C | -3.72 | 102.34 | 112.42 |
| 30 | 12 | 307 | CLA | CAC-C3C-C4C | 3.72 | 129.63 | 124.79 |
| 30 | 3 | 307 | CLA | C3C-C4C-NC | 3.72 | 115.19 | 110.43 |
| 30 | A | 814 | CLA | C4C-C3C-C2C | -3.72 | 101.48 | 106.89 |
| 30 | A | 844 | CLA | C1D-CHD-C4C | -3.72 | 118.12 | 126.02 |
| 30 | B | 820 | CLA | C1D-CHD-C4C | -3.72 | 118.12 | 126.02 |
| 30 | A | 806 | CLA | C2C-C1C-NC | 3.72 | 113.89 | 109.98 |
| 30 | 7 | 309 | CLA | CHD-C1D-ND | -3.72 | 119.57 | 124.80 |
| 30 | 3 | 303 | CLA | C1C-C2C-C3C | -3.71 | 103.07 | 106.98 |
| 38 | 8 | 311 | KC1 | C2C-C1C-NC | 3.71 | 115.05 | 110.45 |
| 38 | 14 | 306 | KC1 | CAB-C3B-C4B | 3.71 | 133.69 | 124.82 |
| 37 | 9 | 313 | A86 | C41-C32-C31 | -3.71 | 107.15 | 110.47 |
| 30 | 9 | 309 | CLA | O2D-CGD-CBD | 3.71 | 117.72 | 111.23 |
| 38 | 10 | 306 | KC1 | O2D-CGD-O1D | -3.71 | 116.62 | 123.85 |
| 30 | 4 | 301 | CLA | C1C-C2C-C3C | -3.71 | 103.08 | 106.98 |
| 30 | A | 814 | CLA | CHD-C1D-ND | -3.71 | 119.58 | 124.80 |
| 38 | 2 | 312 | KC1 | C4B-C3B-C2B | -3.71 | 103.60 | 106.81 |
| 30 | 2 | 308 | CLA | C1D-CHD-C4C | -3.71 | 118.14 | 126.02 |
| 38 | 9 | 311 | KC1 | C1C-C2C-C3C | -3.71 | 103.08 | 106.98 |
| 30 | B | 834 | CLA | C3D-C4D-ND | 3.71 | 116.01 | 109.99 |
| 30 | 2u | 202 | CLA | C1C-C2C-C3C | -3.71 | 103.08 | 106.98 |
| 30 | B | 818 | CLA | C1D-CHD-C4C | -3.71 | 118.14 | 126.02 |
| 30 | 5 | 304 | CLA | C1C-C2C-C3C | -3.71 | 103.08 | 106.98 |
| 30 | B | 803 | CLA | C3C-C4C-NC | 3.70 | 115.18 | 110.43 |
| 30 | 11 | 310 | CLA | C1D-CHD-C4C | -3.70 | 118.15 | 126.02 |
| 30 | A | 804 | CLA | CHD-C1D-ND | -3.70 | 119.59 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 805 | CLA | C1C-C2C-C3C | -3.70 | 103.09 | 106.98 |
| 30 | 3 | 309 | CLA | C1C-C2C-C3C | -3.70 | 103.09 | 106.98 |
| 38 | 9 | 304 | KC1 | C2C-C1C-NC | 3.70 | 115.03 | 110.45 |
| 37 | 10 | 302 | A86 | C12-C11-C13 | 3.70 | 122.00 | 116.00 |
| 39 | 4 | 316 | DD6 | C12-C11-C13 | -3.70 | 112.44 | 118.09 |
| 30 | B | 814 | CLA | C4A-NA-C1A | -3.70 | 104.99 | 106.68 |
| 30 | 8 | 303 | CLA | C3B-C4B-NB | 3.70 | 113.99 | 109.21 |
| 30 | 5 | 303 | CLA | C1C-C2C-C3C | -3.70 | 103.09 | 106.98 |
| 37 | 10 | 315 | A86 | C4-C3-C2 | -3.70 | 115.95 | 123.52 |
| 30 | 7 | 311 | CLA | C1D-CHD-C4C | -3.70 | 118.16 | 126.02 |
| 30 | 12 | 302 | CLA | O2A-CGA-CBA | 3.70 | 123.11 | 111.83 |
| 30 | B | 815 | CLA | C4A-NA-C1A | -3.70 | 104.99 | 106.68 |
| 35 | 15 | 301 | LMT | C1B-O5B-C5B | 3.70 | 120.94 | 113.72 |
| 30 | 9 | 303 | CLA | C1C-C2C-C3C | -3.70 | 103.09 | 106.98 |
| 30 | 5 | 311 | CLA | C3B-C4B-NB | 3.69 | 113.99 | 109.21 |
| 38 | 13 | 305 | KC1 | C2A-C1A-NA | 3.69 | 115.26 | 109.34 |
| 39 | 3 | 313 | DD6 | C35-C36-C31 | -3.69 | 112.81 | 120.50 |
| 30 | 16 | 310 | CLA | CED-O2D-CGD | 3.69 | 124.29 | 115.92 |
| 39 | 3 | 312 | DD6 | C25-C24-C1 | -3.69 | 116.24 | 126.36 |
| 38 | 14 | 311 | KC1 | C2C-C1C-NC | 3.69 | 115.02 | 110.45 |
| 30 | L | 203 | CLA | C3B-C4B-NB | 3.69 | 113.98 | 109.21 |
| 30 | L | 202 | CLA | C1C-C2C-C3C | -3.69 | 103.10 | 106.98 |
| 30 | 12 | 302 | CLA | C3C-C4C-NC | 3.69 | 115.16 | 110.43 |
| 30 | A | 808 | CLA | C1D-CHD-C4C | -3.69 | 118.18 | 126.02 |
| 38 | 9 | 311 | KC1 | CAA-CBA-CGA | -3.69 | 108.28 | 127.05 |
| 30 | 1 | 301 | CLA | C1D-CHD-C4C | -3.69 | 118.18 | 126.02 |
| 30 | A | 824 | CLA | C1C-C2C-C3C | -3.69 | 103.10 | 106.98 |
| 37 | 14 | 320 | A86 | C3-C4-C5 | 3.69 | 131.06 | 123.52 |
| 30 | A | 813 | CLA | CHD-C1D-ND | -3.69 | 119.61 | 124.80 |
| 30 | B | 811 | CLA | CMA-C3A-C2A | -3.69 | 99.73 | 113.98 |
| 30 | 2 | 309 | CLA | C1D-CHD-C4C | -3.69 | 118.18 | 126.02 |
| 38 | 12 | 305 | KC1 | C1A-NA-C4A | -3.69 | 105.00 | 106.68 |
| 37 | 14 | 314 | A86 | C40-C32-C31 | -3.69 | 107.17 | 110.47 |
| 38 | 2 | 306 | KC1 | C2C-C1C-NC | 3.68 | 115.01 | 110.45 |
| 30 | 1 | 303 | CLA | C1C-C2C-C3C | -3.68 | 103.11 | 106.98 |
| 30 | B | 831 | CLA | C1C-C2C-C3C | -3.68 | 103.11 | 106.98 |
| 37 | 8 | 315 | A86 | C26-C25-C24 | -3.68 | 112.53 | 123.20 |
| 30 | A | 817 | CLA | C1C-C2C-C3C | -3.68 | 103.11 | 106.98 |
| 38 | 3 | 308 | KC1 | C4B-C3B-C2B | -3.68 | 103.62 | 106.81 |
| 38 | 8 | 313 | KC1 | C4C-C3C-C2C | -3.68 | 101.53 | 106.89 |
| 30 | 2 | 305 | CLA | C1D-CHD-C4C | -3.68 | 118.20 | 126.02 |
| 30 | A | 831 | CLA | C1C-C2C-C3C | -3.68 | 103.11 | 106.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 834 | CLA | C1D-CHD-C4C | -3.68 | 118.20 | 126.02 |
| 37 | 11 | 316 | A86 | C3-C4-C5 | -3.68 | 115.99 | 123.52 |
| 30 | A | 808 | CLA | C1C-C2C-C3C | -3.68 | 103.11 | 106.98 |
| 38 | 8 | 312 | KC1 | C2C-C1C-NC | 3.68 | 115.00 | 110.45 |
| 30 | A | 831 | CLA | C4A-NA-C1A | -3.68 | 105.00 | 106.68 |
| 37 | 14 | 320 | A86 | C41-C32-C31 | -3.68 | 107.18 | 110.47 |
| 39 | 8 | 316 | DD6 | C12-C11-C13 | -3.68 | 112.47 | 118.09 |
| 38 | 9 | 311 | KC1 | CAA-C2A-C1A | -3.68 | 108.53 | 124.64 |
| 30 | A | 803 | CLA | CHB-C4A-NA | 3.68 | 129.71 | 124.40 |
| 30 | 12 | 310 | CLA | C3C-C4C-NC | 3.68 | 115.14 | 110.43 |
| 30 | 13 | 302 | CLA | C3C-C4C-NC | 3.68 | 115.14 | 110.43 |
| 30 | B | 828 | CLA | C1D-CHD-C4C | -3.67 | 118.21 | 126.02 |
| 30 | 6 | 310 | CLA | C1D-CHD-C4C | -3.67 | 118.21 | 126.02 |
| 30 | B | 834 | CLA | CMB-C2B-C3B | 3.67 | 132.03 | 124.68 |
| 38 | 5 | 312 | KC1 | C1C-C2C-C3C | -3.67 | 103.12 | 106.98 |
| 30 | A | 811 | CLA | C1C-C2C-C3C | -3.67 | 103.12 | 106.98 |
| 30 | B | 823 | CLA | C3C-C4C-NC | 3.67 | 115.14 | 110.43 |
| 30 | 12 | 302 | CLA | CHD-C1D-ND | -3.67 | 119.63 | 124.80 |
| 30 | 9 | 303 | CLA | CAC-C3C-C4C | 3.67 | 129.57 | 124.79 |
| 30 | B | 822 | CLA | O2A-CGA-CBA | 3.67 | 123.03 | 111.83 |
| 30 | B | 833 | CLA | C1C-C2C-C3C | -3.67 | 103.12 | 106.98 |
| 38 | 14 | 311 | KC1 | C1C-C2C-C3C | -3.67 | 103.12 | 106.98 |
| 30 | 16 | 306 | CLA | C3C-C4C-NC | 3.67 | 115.13 | 110.43 |
| 30 | 13 | 302 | CLA | CHD-C1D-ND | -3.67 | 119.64 | 124.80 |
| 30 | 15 | 307 | CLA | C3C-C4C-NC | 3.67 | 115.13 | 110.43 |
| 30 | A | 823 | CLA | C3B-C4B-NB | 3.67 | 113.95 | 109.21 |
| 30 | 11 | 304 | CLA | C1D-CHD-C4C | -3.67 | 118.22 | 126.02 |
| 38 | 2 | 306 | KC1 | CAA-CBA-CGA | -3.67 | 108.39 | 127.05 |
| 30 | A | 828 | CLA | C2C-C1C-NC | 3.67 | 113.83 | 109.98 |
| 37 | 4 | 314 | A86 | C7-C6-C5 | -3.67 | 116.87 | 122.82 |
| 30 | 7 | 311 | CLA | CHD-C1D-ND | -3.67 | 119.64 | 124.80 |
| 30 | 5 | 309 | CLA | C4A-NA-C1A | -3.67 | 105.01 | 106.68 |
| 38 | 3 | 311 | KC1 | C1A-NA-C4A | -3.67 | 105.01 | 106.68 |
| 30 | 8 | 305 | CLA | CHD-C1D-ND | -3.67 | 119.64 | 124.80 |
| 30 | B | 803 | CLA | CAA-C2A-C3A | -3.67 | 103.09 | 113.00 |
| 30 | 12 | 308 | CLA | C3C-C4C-NC | 3.67 | 115.13 | 110.43 |
| 30 | 16 | 305 | CLA | CAA-C2A-C3A | -3.67 | 103.09 | 113.00 |
| 30 | 12 | 312 | CLA | C4A-NA-C1A | -3.66 | 105.01 | 106.68 |
| 30 | 8 | 303 | CLA | CHD-C1D-ND | -3.66 | 119.64 | 124.80 |
| 38 | 11 | 311 | KC1 | C1C-C2C-C3C | -3.66 | 103.13 | 106.98 |
| 38 | 13 | 312 | KC1 | C4B-C3B-C2B | -3.66 | 103.64 | 106.81 |
| 30 | A | 823 | CLA | C1D-CHD-C4C | -3.66 | 118.23 | 126.02 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 303 | CLA | C3C-C4C-NC | 3.66 | 115.12 | 110.43 |
| 30 | 6 | 307 | CLA | CHD-C1D-ND | -3.66 | 119.65 | 124.80 |
| 38 | 8 | 311 | KC1 | C4B-C3B-C2B | -3.66 | 103.64 | 106.81 |
| 30 | 15 | 305 | CLA | C1D-CHD-C4C | -3.66 | 118.24 | 126.02 |
| 30 | B | 812 | CLA | CHD-C1D-ND | -3.66 | 119.65 | 124.80 |
| 30 | 7 | 303 | CLA | C1D-CHD-C4C | -3.66 | 118.24 | 126.02 |
| 37 | 8 | 315 | A86 | C36-C31-C32 | -3.66 | 116.06 | 119.70 |
| 30 | 8 | 304 | CLA | C3C-C4C-NC | 3.66 | 115.12 | 110.43 |
| 30 | 12 | 303 | CLA | C3B-C4B-NB | 3.66 | 113.94 | 109.21 |
| 38 | 10 | 312 | KC1 | C1C-C2C-C3C | -3.66 | 103.13 | 106.98 |
| 30 | A | 836 | CLA | C1D-CHD-C4C | -3.66 | 118.25 | 126.02 |
| 37 | 2 | 302 | A86 | C9-C8-C6 | -3.66 | 116.33 | 126.36 |
| 30 | 6 | 307 | CLA | C1D-CHD-C4C | -3.66 | 118.25 | 126.02 |
| 30 | 10 | 307 | CLA | CHD-C1D-ND | -3.66 | 119.66 | 124.80 |
| 30 | A | 804 | CLA | CAA-C2A-C3A | -3.65 | 103.12 | 113.00 |
| 37 | 11 | 316 | A86 | C25-C24-C1 | -3.65 | 116.34 | 126.36 |
| 30 | B | 828 | CLA | CAC-C3C-C4C | 3.65 | 129.54 | 124.79 |
| 38 | 11 | 305 | KC1 | CBA-CAA-C2A | -3.65 | 110.79 | 125.45 |
| 30 | A | 841 | CLA | C1D-CHD-C4C | -3.65 | 118.25 | 126.02 |
| 30 | B | 829 | CLA | C1D-CHD-C4C | -3.65 | 118.26 | 126.02 |
| 30 | B | 815 | CLA | C1C-C2C-C3C | -3.65 | 103.14 | 106.98 |
| 30 | B | 834 | CLA | C1C-C2C-C3C | -3.65 | 103.14 | 106.98 |
| 30 | 5 | 307 | CLA | C3D-C4D-ND | 3.65 | 115.92 | 109.99 |
| 30 | A | 806 | CLA | CMB-C2B-C3B | 3.65 | 131.98 | 124.68 |
| 30 | A | 832 | CLA | C1D-CHD-C4C | -3.65 | 118.26 | 126.02 |
| 30 | 2 | 301 | CLA | C1D-CHD-C4C | -3.65 | 118.26 | 126.02 |
| 38 | 16 | 304 | KC1 | C1C-C2C-C3C | -3.65 | 103.14 | 106.98 |
| 30 | B | 830 | CLA | C1-O2A-CGA | 3.65 | 125.48 | 116.65 |
| 30 | B | 826 | CLA | C1C-C2C-C3C | -3.65 | 103.14 | 106.98 |
| 30 | 2 | 309 | CLA | O2D-CGD-CBD | 3.65 | 117.61 | 111.23 |
| 39 | 7 | 318 | DD6 | O1-C20-C21 | -3.65 | 110.97 | 115.05 |
| 30 | 7 | 303 | CLA | O2A-CGA-CBA | 3.65 | 122.95 | 111.83 |
| 38 | 16 | 304 | KC1 | C4B-C3B-C2B | -3.65 | 103.65 | 106.81 |
| 30 | B | 806 | CLA | O2D-CGD-CBD | 3.64 | 117.60 | 111.23 |
| 38 | 3 | 311 | KC1 | C1C-C2C-C3C | -3.64 | 103.15 | 106.98 |
| 30 | 15 | 308 | CLA | C1D-CHD-C4C | -3.64 | 118.28 | 126.02 |
| 39 | 12 | 315 | DD6 | C35-C36-C31 | -3.64 | 112.92 | 120.50 |
| 30 | 7 | 304 | CLA | C1D-CHD-C4C | -3.64 | 118.28 | 126.02 |
| 37 | 15 | 323 | A86 | C9-C10-C11 | -3.64 | 116.35 | 126.64 |
| 30 | A | 802 | CLA | CAC-C3C-C4C | 3.64 | 129.53 | 124.79 |
| 30 | 10 | 308 | CLA | C1D-CHD-C4C | -3.64 | 118.28 | 126.02 |
| 30 | 2 | 308 | CLA | C1-C2-C3 | -3.64 | 120.23 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 6 | 312 | KC1 | C2C-C1C-NC | 3.64 | 114.95 | 110.45 |
| 37 | 5 | 301 | A86 | C4-C3-C2 | -3.64 | 116.07 | 123.52 |
| 38 | 8 | 307 | KC1 | C1C-C2C-C3C | -3.64 | 103.15 | 106.98 |
| 30 | 12 | 308 | CLA | C4A-NA-C1A | -3.64 | 105.02 | 106.68 |
| 39 | 12 | 315 | DD6 | C21-C20-C15 | -3.64 | 116.31 | 122.30 |
| 30 | B | 836 | CLA | C1D-CHD-C4C | -3.64 | 118.29 | 126.02 |
| 30 | 16 | 302 | CLA | C1C-C2C-C3C | -3.64 | 103.15 | 106.98 |
| 30 | 16 | 305 | CLA | CHD-C1D-ND | -3.64 | 119.68 | 124.80 |
| 30 | 7 | 304 | CLA | C3B-C4B-NB | 3.64 | 113.91 | 109.21 |
| 30 | 2 | 313 | CLA | C1C-C2C-C3C | -3.64 | 103.16 | 106.98 |
| 37 | 7 | 316 | A86 | C36-C31-C32 | -3.63 | 116.09 | 119.70 |
| 38 | 4 | 310 | KC1 | CAA-CBA-CGA | -3.63 | 108.57 | 127.05 |
| 30 | B | 823 | CLA | C1C-C2C-C3C | -3.63 | 103.16 | 106.98 |
| 30 | A | 834 | CLA | C3C-C4C-NC | 3.63 | 115.08 | 110.43 |
| 30 | A | 836 | CLA | CHD-C1D-ND | -3.63 | 119.69 | 124.80 |
| 30 | 14 | 313 | CLA | C1C-C2C-C3C | -3.63 | 103.16 | 106.98 |
| 38 | 12 | 311 | KC1 | C1C-C2C-C3C | -3.63 | 103.16 | 106.98 |
| 30 | A | 832 | CLA | C4A-NA-C1A | -3.63 | 105.02 | 106.68 |
| 30 | 11 | 310 | CLA | C1C-C2C-C3C | -3.63 | 103.16 | 106.98 |
| 37 | 2u | 203 | A86 | C4-C3-C2 | -3.63 | 116.10 | 123.52 |
| 30 | A | 843 | CLA | C3B-C4B-NB | 3.63 | 113.90 | 109.21 |
| 30 | 4 | 309 | CLA | CAA-C2A-C3A | -3.63 | 103.20 | 113.00 |
| 30 | B | 826 | CLA | C4A-NA-C1A | -3.63 | 105.02 | 106.68 |
| 30 | 1 | 301 | CLA | C1C-C2C-C3C | -3.63 | 103.17 | 106.98 |
| 39 | 4 | 313 | DD6 | C35-C36-C31 | -3.63 | 112.95 | 120.50 |
| 38 | 12 | 313 | KC1 | CAA-CBA-CGA | -3.63 | 108.61 | 127.05 |
| 30 | 9 | 301 | CLA | C1D-CHD-C4C | -3.63 | 118.31 | 126.02 |
| 30 | 6 | 314 | CLA | C3B-C4B-NB | 3.62 | 113.89 | 109.21 |
| 30 | 7 | 311 | CLA | C1C-C2C-C3C | -3.62 | 103.17 | 106.98 |
| 30 | B | 837 | CLA | C3C-C4C-NC | 3.62 | 115.07 | 110.43 |
| 30 | 9 | 305 | CLA | C1C-C2C-C3C | -3.62 | 103.17 | 106.98 |
| 30 | 16 | 310 | CLA | C3C-C4C-NC | 3.62 | 115.07 | 110.43 |
| 38 | 14 | 306 | KC1 | CBA-CAA-C2A | -3.62 | 110.92 | 125.45 |
| 30 | A | 827 | CLA | CHD-C4C-NC | 3.62 | 129.84 | 124.23 |
| 39 | 12 | 317 | DD6 | C21-C20-C15 | -3.62 | 116.34 | 122.30 |
| 30 | B | 821 | CLA | CHD-C1D-ND | -3.62 | 119.71 | 124.80 |
| 38 | 14 | 306 | KC1 | C4C-C3C-C2C | -3.62 | 101.63 | 106.89 |
| 30 | 3 | 301 | CLA | C4-C3-C5 | 3.62 | 121.50 | 115.23 |
| 30 | B | 822 | CLA | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |
| 30 | 14 | 305 | CLA | C1D-CHD-C4C | -3.61 | 118.34 | 126.02 |
| 37 | 15 | 320 | A86 | C35-C34-C33 | 3.61 | 116.38 | 109.89 |
| 30 | B | 812 | CLA | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 4 | 310 | KC1 | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |
| 30 | A | 825 | CLA | C1D-CHD-C4C | -3.61 | 118.34 | 126.02 |
| 30 | 12 | 304 | CLA | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |
| 30 | 7 | 307 | CLA | C4A-NA-C1A | -3.61 | 105.03 | 106.68 |
| 30 | A | 807 | CLA | C3C-C4C-NC | 3.61 | 115.06 | 110.43 |
| 30 | B | 821 | CLA | C3B-C4B-NB | 3.61 | 113.88 | 109.21 |
| 30 | A | 839 | CLA | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |
| 30 | 9 | 307 | CLA | C1C-C2C-C3C | -3.61 | 103.18 | 106.98 |
| 30 | 14 | 303 | CLA | CAA-C2A-C3A | -3.61 | 103.25 | 113.00 |
| 30 | A | 815 | CLA | C1C-C2C-C3C | -3.61 | 103.19 | 106.98 |
| 30 | B | 832 | CLA | C1C-C2C-C3C | -3.61 | 103.19 | 106.98 |
| 30 | A | 809 | CLA | CAC-C3C-C4C | 3.61 | 129.48 | 124.79 |
| 39 | 7 | 302 | DD6 | C15-C14-C13 | -3.61 | 118.37 | 125.99 |
| 30 | 5 | 304 | CLA | C1D-CHD-C4C | -3.61 | 118.36 | 126.02 |
| 30 | 3 | 307 | CLA | C4A-NA-C1A | -3.61 | 105.03 | 106.68 |
| 30 | 4 | 301 | CLA | C4A-NA-C1A | -3.61 | 105.03 | 106.68 |
| 39 | 7 | 314 | DD6 | C7-C6-C8 | -3.61 | 112.58 | 118.09 |
| 30 | 15 | 308 | CLA | CHD-C1D-ND | -3.60 | 119.73 | 124.80 |
| 30 | 3 | 302 | CLA | C3C-C4C-NC | 3.60 | 115.05 | 110.43 |
| 30 | A | 810 | CLA | O2A-CGA-CBA | 3.60 | 122.83 | 111.83 |
| 30 | 12 | 321 | CLA | C1C-C2C-C3C | -3.60 | 103.19 | 106.98 |
| 30 | 9 | 305 | CLA | C3C-C4C-NC | 3.60 | 115.05 | 110.43 |
| 30 | B | 805 | CLA | C1D-CHD-C4C | -3.60 | 118.36 | 126.02 |
| 30 | L | 203 | CLA | C1C-C2C-C3C | -3.60 | 103.19 | 106.98 |
| 37 | 6 | 320 | A86 | C40-C32-C31 | -3.60 | 107.25 | 110.47 |
| 30 | B | 804 | CLA | C1C-C2C-C3C | -3.60 | 103.19 | 106.98 |
| 30 | 8 | 304 | CLA | CHD-C1D-ND | -3.60 | 119.74 | 124.80 |
| 30 | B | 809 | CLA | C4A-NA-C1A | -3.60 | 105.04 | 106.68 |
| 30 | 8 | 301 | CLA | C1C-C2C-C3C | -3.60 | 103.19 | 106.98 |
| 30 | 6 | 306 | CLA | C3C-C4C-NC | 3.60 | 115.04 | 110.43 |
| 30 | 4 | 301 | CLA | C1D-CHD-C4C | -3.60 | 118.38 | 126.02 |
| 38 | 8 | 306 | KC1 | C4B-C3B-C2B | -3.60 | 103.70 | 106.81 |
| 30 | A | 805 | CLA | C1D-CHD-C4C | -3.59 | 118.38 | 126.02 |
| 30 | 15 | 311 | CLA | C4A-NA-C1A | -3.59 | 105.04 | 106.68 |
| 30 | B | 808 | CLA | O2A-CGA-CBA | 3.59 | 122.79 | 111.83 |
| 30 | 15 | 309 | CLA | O2D-CGD-CBD | 3.59 | 117.51 | 111.23 |
| 30 | A | 814 | CLA | C4A-NA-C1A | -3.59 | 105.04 | 106.68 |
| 30 | B | 807 | CLA | C1D-CHD-C4C | -3.59 | 118.39 | 126.02 |
| 30 | 6 | 307 | CLA | CAA-C2A-C3A | -3.59 | 103.29 | 113.00 |
| 30 | 15 | 304 | CLA | C1C-C2C-C3C | -3.59 | 103.20 | 106.98 |
| 30 | A | 821 | CLA | C3C-C4C-NC | 3.59 | 115.03 | 110.43 |
| 30 | 9 | 306 | CLA | C4A-NA-C1A | -3.59 | 105.04 | 106.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 312 | KC1 | C1A-NA-C4A | -3.59 | 105.04 | 106.68 |
| 30 | 4 | 302 | CLA | C1-C2-C3 | -3.59 | 120.32 | 126.20 |
| 30 | 14 | 304 | CLA | C1C-C2C-C3C | -3.59 | 103.21 | 106.98 |
| 30 | A | 843 | CLA | C1D-CHD-C4C | -3.59 | 118.40 | 126.02 |
| 30 | 15 | 306 | CLA | C3B-C4B-NB | 3.59 | 113.85 | 109.21 |
| 38 | 8 | 310 | KC1 | C4C-C3C-C2C | -3.59 | 101.67 | 106.89 |
| 30 | B | 802 | CLA | CAC-C3C-C4C | 3.59 | 129.46 | 124.79 |
| 37 | 14 | 320 | A86 | C8-C6-C5 | -3.58 | 113.37 | 119.01 |
| 38 | 14 | 308 | KC1 | C4C-C3C-C2C | -3.58 | 101.67 | 106.89 |
| 30 | B | 829 | CLA | C1C-C2C-C3C | -3.58 | 103.21 | 106.98 |
| 29 | A | 801 | CL0 | C3B-C4B-NB | 3.58 | 113.84 | 109.21 |
| 39 | 10 | 313 | DD6 | C14-C13-C11 | 3.58 | 131.09 | 125.53 |
| 30 | B | 823 | CLA | CHD-C1D-ND | -3.58 | 119.76 | 124.80 |
| 38 | 11 | 307 | KC1 | C4B-C3B-C2B | -3.58 | 103.71 | 106.81 |
| 30 | 15 | 309 | CLA | C1C-C2C-C3C | -3.58 | 103.21 | 106.98 |
| 30 | B | 812 | CLA | CMB-C2B-C3B | 3.58 | 131.84 | 124.68 |
| 30 | 2 | 310 | CLA | C3C-C4C-NC | 3.58 | 115.02 | 110.43 |
| 38 | 6 | 313 | KC1 | C4B-C3B-C2B | -3.58 | 103.71 | 106.81 |
| 39 | 4 | 316 | DD6 | C35-C36-C31 | -3.58 | 113.05 | 120.50 |
| 30 | 4 | 303 | CLA | C3C-C4C-NC | 3.58 | 115.01 | 110.43 |
| 30 | B | 830 | CLA | CAC-C3C-C4C | 3.58 | 129.44 | 124.79 |
| 38 | 9 | 310 | KC1 | C1C-C2C-C3C | -3.58 | 103.22 | 106.98 |
| 30 | 11 | 309 | CLA | O2A-CGA-CBA | 3.58 | 122.74 | 111.83 |
| 30 | A | 822 | CLA | C1D-CHD-C4C | -3.58 | 118.42 | 126.02 |
| 30 | F | 202 | CLA | C3B-C4B-NB | 3.57 | 113.83 | 109.21 |
| 30 | A | 806 | CLA | C3B-C4B-NB | 3.57 | 113.83 | 109.21 |
| 38 | 13 | 311 | KC1 | CAA-CBA-CGA | -3.57 | 108.88 | 127.05 |
| 30 | 9 | 308 | CLA | C3C-C4C-NC | 3.57 | 115.01 | 110.43 |
| 30 | 7 | 303 | CLA | CHD-C1D-ND | -3.57 | 119.78 | 124.80 |
| 30 | 15 | 306 | CLA | O2D-CGD-O1D | -3.57 | 116.90 | 123.85 |
| 38 | 12 | 305 | KC1 | C4B-C3B-C2B | -3.57 | 103.72 | 106.81 |
| 37 | 13 | 313 | A86 | C8-C6-C5 | 3.57 | 124.62 | 119.01 |
| 30 | 2 | 310 | CLA | C1C-C2C-C3C | -3.57 | 103.22 | 106.98 |
| 38 | 7 | 313 | KC1 | C1C-C2C-C3C | -3.57 | 103.22 | 106.98 |
| 30 | 3 | 305 | CLA | C3C-C4C-NC | 3.57 | 115.00 | 110.43 |
| 30 | 9 | 302 | CLA | C1D-CHD-C4C | -3.57 | 118.44 | 126.02 |
| 30 | A | 841 | CLA | CMB-C2B-C3B | 3.57 | 131.81 | 124.68 |
| 30 | B | 851 | CLA | CAC-C3C-C4C | 3.57 | 129.43 | 124.79 |
| 30 | A | 830 | CLA | C1C-C2C-C3C | -3.57 | 103.23 | 106.98 |
| 30 | B | 822 | CLA | C1D-CHD-C4C | -3.57 | 118.44 | 126.02 |
| 30 | 10 | 309 | CLA | C1C-C2C-C3C | -3.56 | 103.23 | 106.98 |
| 38 | 9 | 311 | KC1 | C2C-C1C-NC | 3.56 | 114.86 | 110.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 302 | CLA | C4A-NA-C1A | -3.56 | 105.05 | 106.68 |
| 30 | 4 | 304 | CLA | C1C-C2C-C3C | -3.56 | 103.23 | 106.98 |
| 30 | B | 835 | CLA | C1D-CHD-C4C | -3.56 | 118.45 | 126.02 |
| 30 | B | 803 | CLA | C2C-C1C-NC | 3.56 | 113.72 | 109.98 |
| 30 | 14 | 312 | CLA | C1C-C2C-C3C | -3.56 | 103.23 | 106.98 |
| 30 | 16 | 302 | CLA | C3C-C4C-NC | 3.56 | 114.99 | 110.43 |
| 37 | 14 | 319 | A86 | C34-O4-C38 | -3.56 | 111.56 | 117.85 |
| 37 | 3 | 314 | A86 | C23-C16-C17 | -3.56 | 102.71 | 108.97 |
| 30 | 12 | 308 | CLA | CHD-C1D-ND | -3.56 | 119.80 | 124.80 |
| 30 | 5 | 304 | CLA | O2A-CGA-CBA | 3.56 | 122.68 | 111.83 |
| 37 | 2 | 302 | A86 | C12-C11-C13 | 3.56 | 121.77 | 116.00 |
| 30 | 3 | 306 | CLA | CAA-C2A-C3A | -3.56 | 103.39 | 113.00 |
| 30 | B | 834 | CLA | CHD-C1D-ND | -3.56 | 119.80 | 124.80 |
| 39 | 15 | 319 | DD6 | C23-C16-C15 | 3.56 | 119.65 | 110.05 |
| 30 | 9 | 309 | CLA | C3B-C4B-NB | 3.56 | 113.81 | 109.21 |
| 30 | 8 | 308 | CLA | C1-C2-C3 | -3.56 | 120.37 | 126.20 |
| 38 | 8 | 312 | KC1 | C4B-C3B-C2B | -3.56 | 103.73 | 106.81 |
| 38 | 13 | 306 | KC1 | CAC-C3C-C4C | 3.56 | 129.42 | 124.79 |
| 30 | A | 833 | CLA | C4A-NA-C1A | -3.56 | 105.06 | 106.68 |
| 30 | B | 828 | CLA | C3C-C4C-NC | 3.55 | 114.98 | 110.43 |
| 30 | B | 827 | CLA | C1C-C2C-C3C | -3.55 | 103.24 | 106.98 |
| 30 | 10 | 309 | CLA | C3C-C4C-NC | 3.55 | 114.98 | 110.43 |
| 38 | 6 | 313 | KC1 | CAA-C2A-C1A | -3.55 | 109.08 | 124.64 |
| 38 | 1 | 306 | KC1 | CAC-C3C-C4C | 3.55 | 129.41 | 124.79 |
| 30 | A | 835 | CLA | CAA-C2A-C3A | -3.55 | 103.40 | 113.00 |
| 30 | A | 804 | CLA | C3C-C4C-NC | 3.55 | 114.98 | 110.43 |
| 30 | 15 | 308 | CLA | C4C-C3C-C2C | -3.55 | 101.72 | 106.89 |
| 30 | 13 | 304 | CLA | C3B-C4B-NB | 3.55 | 113.80 | 109.21 |
| 39 | 5 | 314 | DD6 | C15-C14-C13 | -3.55 | 118.49 | 125.99 |
| 30 | B | 814 | CLA | C1C-C2C-C3C | -3.55 | 103.25 | 106.98 |
| 30 | 14 | 310 | CLA | C4A-NA-C1A | -3.55 | 105.06 | 106.68 |
| 30 | 6 | 317 | CLA | CAA-C2A-C3A | -3.55 | 103.41 | 113.00 |
| 30 | B | 833 | CLA | C3C-C4C-NC | 3.55 | 114.97 | 110.43 |
| 30 | A | 810 | CLA | C1D-CHD-C4C | -3.55 | 118.48 | 126.02 |
| 38 | 5 | 310 | KC1 | C1C-C2C-C3C | -3.55 | 103.25 | 106.98 |
| 30 | B | 812 | CLA | CAC-C3C-C4C | 3.55 | 129.41 | 124.79 |
| 30 | A | 840 | CLA | C3C-C4C-NC | 3.55 | 114.97 | 110.43 |
| 39 | 6 | 321 | DD6 | C33-C32-C31 | 3.55 | 116.47 | 109.49 |
| 39 | 3 | 312 | DD6 | O1-C20-C21 | -3.54 | 111.09 | 115.05 |
| 30 | A | 816 | CLA | C3C-C4C-NC | 3.54 | 114.97 | 110.43 |
| 30 | 5 | 311 | CLA | C3C-C4C-NC | 3.54 | 114.97 | 110.43 |
| 36 | F | 205 | LMG | O6-C1-O1 | -3.54 | 101.68 | 110.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 9 | 301 | CLA | CMB-C2B-C3B | 3.54 | 131.75 | 124.68 |
| 33 | 2u | 201 | BCR | C15-C16-C17 | -3.54 | 116.28 | 123.52 |
| 30 | 6 | 315 | CLA | C4A-NA-C1A | -3.54 | 105.06 | 106.68 |
| 30 | B | 811 | CLA | C3D-C2D-C1D | -3.54 | 101.00 | 105.83 |
| 30 | 5 | 304 | CLA | C3C-C4C-NC | 3.54 | 114.96 | 110.43 |
| 30 | 7 | 311 | CLA | CAC-C3C-C4C | 3.54 | 129.39 | 124.79 |
| 30 | A | 824 | CLA | CMA-C3A-C2A | -3.54 | 100.31 | 113.98 |
| 37 | 10 | 302 | A86 | C3-C2-C1 | -3.54 | 122.32 | 127.28 |
| 30 | 2 | 307 | CLA | C3C-C4C-NC | 3.53 | 114.96 | 110.43 |
| 30 | 16 | 303 | CLA | C3C-C4C-NC | 3.53 | 114.96 | 110.43 |
| 30 | A | 812 | CLA | C4-C3-C5 | 3.53 | 121.36 | 115.23 |
| 30 | B | 814 | CLA | C3B-C4B-NB | 3.53 | 113.78 | 109.21 |
| 30 | 4 | 306 | CLA | C1C-C2C-C3C | -3.53 | 103.26 | 106.98 |
| 30 | 8 | 301 | CLA | CHD-C1D-ND | -3.53 | 119.83 | 124.80 |
| 38 | 4 | 310 | KC1 | C2C-C1C-NC | 3.53 | 114.82 | 110.45 |
| 30 | B | 813 | CLA | C1D-CHD-C4C | -3.53 | 118.51 | 126.02 |
| 30 | B | 801 | CLA | C1-C2-C3 | -3.53 | 120.41 | 126.20 |
| 30 | 6 | 306 | CLA | C1-O2A-CGA | 3.53 | 125.20 | 116.65 |
| 38 | 8 | 314 | KC1 | C1C-C2C-C3C | -3.53 | 103.27 | 106.98 |
| 37 | 10 | 301 | A86 | C21-C20-C15 | -3.53 | 111.95 | 123.35 |
| 30 | 7 | 309 | CLA | C4A-NA-C1A | -3.53 | 105.07 | 106.68 |
| 30 | A | 815 | CLA | CHC-C1C-C2C | -3.53 | 116.94 | 126.94 |
| 30 | 5 | 303 | CLA | C3C-C4C-NC | 3.53 | 114.95 | 110.43 |
| 30 | 2 | 307 | CLA | CHD-C1D-ND | -3.53 | 119.84 | 124.80 |
| 30 | A | 805 | CLA | CMB-C2B-C3B | 3.53 | 131.73 | 124.68 |
| 30 | 15 | 302 | CLA | O2D-CGD-O1D | -3.53 | 116.98 | 123.85 |
| 30 | 15 | 310 | CLA | CMB-C2B-C3B | 3.53 | 131.73 | 124.68 |
| 30 | A | 820 | CLA | C1D-CHD-C4C | -3.53 | 118.53 | 126.02 |
| 30 | 7 | 310 | CLA | C1C-C2C-C3C | -3.53 | 103.27 | 106.98 |
| 30 | A | 822 | CLA | C3C-C4C-NC | 3.53 | 114.95 | 110.43 |
| 30 | B | 802 | CLA | C4C-C3C-C2C | -3.52 | 101.76 | 106.89 |
| 30 | B | 826 | CLA | CAA-C2A-C3A | -3.52 | 103.48 | 113.00 |
| 30 | 12 | 307 | CLA | CAA-C2A-C3A | -3.52 | 103.48 | 113.00 |
| 37 | 8 | 318 | A86 | C35-C34-C33 | 3.52 | 116.21 | 109.89 |
| 30 | A | 830 | CLA | C1-C2-C3 | -3.52 | 120.43 | 126.20 |
| 30 | 16 | 301 | CLA | C1C-C2C-C3C | -3.52 | 103.28 | 106.98 |
| 30 | 2 | 313 | CLA | C3C-C4C-NC | 3.52 | 114.94 | 110.43 |
| 30 | B | 804 | CLA | C3C-C4C-NC | 3.52 | 114.94 | 110.43 |
| 30 | 16 | 310 | CLA | CAA-C2A-C3A | -3.52 | 103.49 | 113.00 |
| 38 | 14 | 311 | KC1 | CMB-C2B-C1B | 3.52 | 130.93 | 124.73 |
| 30 | A | 841 | CLA | C3C-C4C-NC | 3.52 | 114.94 | 110.43 |
| 30 | B | 835 | CLA | C1C-C2C-C3C | -3.52 | 103.28 | 106.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 838 | CLA | C3B-C4B-NB | 3.52 | 113.76 | 109.21 |
| 30 | B | 808 | CLA | C3B-C4B-NB | 3.52 | 113.76 | 109.21 |
| 30 | B | 815 | CLA | CAC-C3C-C4C | 3.52 | 129.37 | 124.79 |
| 30 | 7 | 310 | CLA | C1D-CHD-C4C | -3.52 | 118.55 | 126.02 |
| 39 | 7 | 317 | DD6 | C35-C36-C31 | -3.52 | 113.18 | 120.50 |
| 37 | 10 | 317 | A86 | C36-C31-C32 | -3.52 | 116.21 | 119.70 |
| 30 | A | 829 | CLA | C3C-C4C-NC | 3.52 | 114.93 | 110.43 |
| 30 | B | 829 | CLA | CAA-C2A-C3A | -3.52 | 103.50 | 113.00 |
| 30 | 5 | 302 | CLA | C3C-C4C-NC | 3.52 | 114.93 | 110.43 |
| 30 | 11 | 306 | CLA | C3C-C4C-NC | 3.51 | 114.93 | 110.43 |
| 30 | B | 817 | CLA | C2C-C1C-NC | 3.51 | 113.67 | 109.98 |
| 30 | 2 | 301 | CLA | CHC-C1C-C2C | -3.51 | 116.99 | 126.94 |
| 30 | 9 | 309 | CLA | C3C-C4C-NC | 3.51 | 114.93 | 110.43 |
| 38 | 14 | 308 | KC1 | C1C-C2C-C3C | -3.51 | 103.29 | 106.98 |
| 30 | B | 830 | CLA | C4C-C3C-C2C | -3.51 | 101.78 | 106.89 |
| 37 | 4 | 315 | A86 | C4-C3-C2 | -3.51 | 116.34 | 123.52 |
| 30 | A | 810 | CLA | C3C-C4C-NC | 3.51 | 114.92 | 110.43 |
| 30 | F | 203 | CLA | C3C-C4C-NC | 3.51 | 114.92 | 110.43 |
| 37 | 7 | 315 | A86 | C26-C25-C24 | -3.51 | 113.04 | 123.20 |
| 30 | 6 | 310 | CLA | C4A-NA-C1A | -3.51 | 105.08 | 106.68 |
| 38 | 11 | 305 | KC1 | CAA-CBA-CGA | -3.51 | 109.22 | 127.05 |
| 30 | A | 832 | CLA | C1C-C2C-C3C | -3.51 | 103.29 | 106.98 |
| 30 | 13 | 301 | CLA | C1C-C2C-C3C | -3.51 | 103.29 | 106.98 |
| 38 | 10 | 306 | KC1 | CAA-CBA-CGA | -3.51 | 109.22 | 127.05 |
| 30 | 7 | 307 | CLA | C3C-C4C-NC | 3.50 | 114.92 | 110.43 |
| 30 | A | 826 | CLA | CHD-C1D-ND | -3.50 | 119.87 | 124.80 |
| 30 | A | 803 | CLA | C3C-C4C-NC | 3.50 | 114.92 | 110.43 |
| 37 | 7 | 316 | A86 | C25-C26-C27 | -3.50 | 122.36 | 127.28 |
| 30 | F | 202 | CLA | C1C-C2C-C3C | -3.50 | 103.30 | 106.98 |
| 38 | 2 | 312 | KC1 | C1A-NA-C4A | -3.50 | 105.08 | 106.68 |
| 38 | 8 | 314 | KC1 | CBA-CAA-C2A | -3.50 | 111.40 | 125.45 |
| 30 | 2 | 311 | CLA | C1C-C2C-C3C | -3.50 | 103.30 | 106.98 |
| 30 | A | 806 | CLA | CAA-CBA-CGA | -3.50 | 103.27 | 113.21 |
| 37 | 15 | 322 | A86 | C24-C1-C2 | 3.50 | 124.52 | 119.01 |
| 39 | 16 | 313 | DD6 | C23-C16-C17 | -3.50 | 102.82 | 108.97 |
| 37 | 14 | 315 | A86 | C25-C26-C27 | -3.50 | 122.37 | 127.28 |
| 38 | 5 | 306 | KC1 | C1C-C2C-C3C | -3.50 | 103.30 | 106.98 |
| 38 | 8 | 312 | KC1 | C1C-C2C-C3C | -3.50 | 103.30 | 106.98 |
| 30 | 9 | 305 | CLA | CBA-CAA-C2A | 3.50 | 124.20 | 113.79 |
| 30 | 9 | 307 | CLA | C4A-NA-C1A | -3.50 | 105.08 | 106.68 |
| 30 | B | 828 | CLA | C3D-C2D-C1D | -3.50 | 101.06 | 105.83 |
| 30 | B | 815 | CLA | C3C-C4C-NC | 3.50 | 114.91 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 8 | 303 | CLA | C3C-C4C-NC | 3.50 | 114.91 | 110.43 |
| 30 | 3 | 309 | CLA | CAA-C2A-C3A | -3.50 | 103.55 | 113.00 |
| 39 | 7 | 314 | DD6 | C22-C16-C15 | 3.49 | 119.48 | 110.05 |
| 30 | 6 | 316 | CLA | C3C-C4C-NC | 3.49 | 114.91 | 110.43 |
| 37 | 10 | 301 | A86 | C3-C2-C1 | -3.49 | 122.38 | 127.28 |
| 30 | B | 823 | CLA | CAC-C3C-C4C | 3.49 | 129.34 | 124.79 |
| 30 | 16 | 309 | CLA | C3C-C4C-NC | 3.49 | 114.90 | 110.43 |
| 30 | 10 | 311 | CLA | C3C-C4C-NC | 3.49 | 114.90 | 110.43 |
| 30 | 15 | 311 | CLA | C3C-C4C-NC | 3.49 | 114.90 | 110.43 |
| 30 | 1 | 304 | CLA | CMC-C2C-C1C | 3.49 | 130.49 | 125.03 |
| 38 | 5 | 312 | KC1 | CAA-CBA-CGA | -3.49 | 109.30 | 127.05 |
| 38 | 13 | 305 | KC1 | C1A-NA-C4A | -3.49 | 105.09 | 106.68 |
| 30 | 14 | 304 | CLA | C3C-C4C-NC | 3.49 | 114.90 | 110.43 |
| 30 | A | 807 | CLA | C1C-C2C-C3C | -3.49 | 103.31 | 106.98 |
| 30 | 16 | 303 | CLA | C1C-C2C-C3C | -3.49 | 103.31 | 106.98 |
| 30 | 7 | 306 | CLA | CAC-C3C-C4C | 3.49 | 129.32 | 124.79 |
| 30 | B | 809 | CLA | C3C-C4C-NC | 3.49 | 114.89 | 110.43 |
| 30 | A | 809 | CLA | C4A-NA-C1A | -3.49 | 105.09 | 106.68 |
| 30 | 1 | 307 | CLA | C3C-C4C-NC | 3.48 | 114.89 | 110.43 |
| 30 | A | 820 | CLA | CBA-CAA-C2A | 3.48 | 124.16 | 113.79 |
| 37 | 14 | 317 | A86 | C4-C3-C2 | -3.48 | 116.39 | 123.52 |
| 30 | 14 | 305 | CLA | C3C-C4C-NC | 3.48 | 114.89 | 110.43 |
| 30 | 16 | 305 | CLA | C3C-C4C-NC | 3.48 | 114.89 | 110.43 |
| 30 | 14 | 307 | CLA | C1D-CHD-C4C | -3.48 | 118.62 | 126.02 |
| 38 | 11 | 312 | KC1 | CAC-C3C-C4C | 3.48 | 129.32 | 124.79 |
| 30 | 9 | 302 | CLA | C4A-NA-C1A | -3.48 | 105.09 | 106.68 |
| 30 | B | 801 | CLA | CHD-C1D-ND | -3.48 | 119.90 | 124.80 |
| 30 | 4 | 302 | CLA | C1C-C2C-C3C | -3.48 | 103.32 | 106.98 |
| 30 | 7 | 305 | CLA | C3C-C4C-NC | 3.48 | 114.89 | 110.43 |
| 30 | 14 | 310 | CLA | C3C-C4C-NC | 3.48 | 114.89 | 110.43 |
| 30 | 5 | 311 | CLA | C1-O2A-CGA | 3.48 | 125.07 | 116.65 |
| 30 | 9 | 308 | CLA | C1-C2-C3 | -3.48 | 120.50 | 126.20 |
| 30 | A | 803 | CLA | C4A-NA-C1A | -3.48 | 105.09 | 106.68 |
| 38 | 4 | 307 | KC1 | C1A-NA-C4A | -3.48 | 105.09 | 106.68 |
| 30 | 5 | 307 | CLA | CHD-C1D-ND | -3.48 | 119.91 | 124.80 |
| 30 | 2 | 304 | CLA | C3B-C4B-NB | 3.47 | 113.70 | 109.21 |
| 30 | 9 | 306 | CLA | C3B-C4B-NB | 3.47 | 113.70 | 109.21 |
| 37 | 11 | 301 | A86 | C40-C32-C31 | -3.47 | 107.36 | 110.47 |
| 30 | 15 | 308 | CLA | O2A-CGA-CBA | 3.47 | 124.97 | 114.00 |
| 30 | 12 | 306 | CLA | CHD-C1D-ND | -3.47 | 119.92 | 124.80 |
| 30 | 6 | 314 | CLA | CAA-C2A-C3A | -3.47 | 103.61 | 113.00 |
| 38 | 12 | 309 | KC1 | C4B-C3B-C2B | -3.47 | 103.80 | 106.81 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 12 | 315 | DD6 | C25-C24-C1 | -3.47 | 116.84 | 126.36 |
| 38 | 4 | 308 | KC1 | CMA-C3A-C2A | -3.47 | 120.03 | 128.43 |
| 30 | B | 816 | CLA | C3B-C4B-NB | 3.47 | 113.70 | 109.21 |
| 30 | 1 | 307 | CLA | C3B-C4B-NB | 3.47 | 113.70 | 109.21 |
| 30 | B | 816 | CLA | C1C-C2C-C3C | -3.47 | 103.33 | 106.98 |
| 37 | 10 | 301 | A86 | C22-C16-C17 | -3.47 | 102.87 | 108.97 |
| 30 | B | 805 | CLA | CHB-C4A-NA | 3.47 | 129.40 | 124.40 |
| 30 | A | 809 | CLA | C3B-C4B-NB | 3.47 | 113.69 | 109.21 |
| 37 | 12 | 314 | A86 | C41-C32-C31 | -3.46 | 107.37 | 110.47 |
| 30 | 2 | 309 | CLA | C3C-C4C-NC | 3.46 | 114.87 | 110.43 |
| 30 | B | 809 | CLA | CHD-C1D-ND | -3.46 | 119.93 | 124.80 |
| 38 | 5 | 305 | KC1 | CAA-CBA-CGA | -3.46 | 109.44 | 127.05 |
| 30 | 10 | 308 | CLA | CAC-C3C-C4C | 3.46 | 129.30 | 124.79 |
| 30 | 16 | 309 | CLA | C3B-C4B-NB | 3.46 | 113.69 | 109.21 |
| 37 | 14 | 316 | A86 | C12-C11-C13 | 3.46 | 121.61 | 116.00 |
| 39 | 5 | 313 | DD6 | C35-C36-C31 | -3.46 | 113.30 | 120.50 |
| 30 | 2 | 308 | CLA | C3C-C4C-NC | 3.46 | 114.86 | 110.43 |
| 30 | 14 | 312 | CLA | C3C-C4C-NC | 3.46 | 114.86 | 110.43 |
| 30 | 16 | 301 | CLA | C4A-NA-C1A | -3.46 | 105.10 | 106.68 |
| 33 | I | 101 | BCR | C31-C1-C6 | 3.46 | 115.67 | 110.24 |
| 38 | 5 | 306 | KC1 | CAA-CBA-CGA | -3.46 | 109.47 | 127.05 |
| 30 | 12 | 303 | CLA | CMB-C2B-C3B | 3.46 | 131.59 | 124.68 |
| 30 | 13 | 309 | CLA | CAA-C2A-C3A | -3.46 | 103.66 | 113.00 |
| 39 | 13 | 314 | DD6 | O1-C15-C14 | -3.46 | 106.98 | 116.88 |
| 30 | B | 829 | CLA | C3C-C4C-NC | 3.46 | 114.86 | 110.43 |
| 37 | 11 | 316 | A86 | C3-C2-C1 | -3.45 | 122.43 | 127.28 |
| 30 | B | 838 | CLA | CHC-C1C-C2C | -3.45 | 117.16 | 126.94 |
| 30 | B | 812 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | 8 | 302 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | 1 | 307 | CLA | C4A-NA-C1A | -3.45 | 105.10 | 106.68 |
| 30 | 15 | 305 | CLA | C3B-C4B-NB | 3.45 | 113.67 | 109.21 |
| 30 | 15 | 303 | CLA | O2A-CGA-CBA | 3.45 | 122.36 | 111.83 |
| 38 | 8 | 310 | KC1 | C4B-C3B-C2B | -3.45 | 103.82 | 106.81 |
| 38 | 4 | 307 | KC1 | CBA-CAA-C2A | -3.45 | 111.60 | 125.45 |
| 30 | 6 | 315 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | B | 816 | CLA | C4A-NA-C1A | -3.45 | 105.11 | 106.68 |
| 30 | A | 814 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | 15 | 310 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | B | 824 | CLA | C1D-CHD-C4C | -3.45 | 118.69 | 126.02 |
| 30 | 3 | 306 | CLA | C1D-CHD-C4C | -3.45 | 118.69 | 126.02 |
| 30 | 11 | 304 | CLA | C1C-C2C-C3C | -3.45 | 103.35 | 106.98 |
| 38 | 7 | 313 | KC1 | CAA-CBA-CGA | -3.45 | 109.51 | 127.05 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 306 | CLA | C3C-C4C-NC | 3.45 | 114.85 | 110.43 |
| 30 | 7 | 303 | CLA | C1C-C2C-C3C | -3.45 | 103.35 | 106.98 |
| 30 | 2 | 311 | CLA | C1-C2-C3 | -3.45 | 120.55 | 126.20 |
| 38 | 2 | 314 | KC1 | C4B-C3B-C2B | -3.45 | 103.83 | 106.81 |
| 38 | 9 | 310 | KC1 | C2C-C1C-NC | 3.45 | 114.72 | 110.45 |
| 37 | 7 | 319 | A86 | C4-C5-C6 | -3.45 | 122.44 | 127.28 |
| 37 | 15 | 321 | A86 | C41-C32-C31 | -3.45 | 107.39 | 110.47 |
| 30 | 7 | 312 | CLA | C3B-C4B-NB | 3.45 | 113.67 | 109.21 |
| 37 | 8 | 315 | A86 | C24-C1-C2 | -3.45 | 113.59 | 119.01 |
| 30 | 4 | 304 | CLA | C3C-C4C-NC | 3.45 | 114.84 | 110.43 |
| 30 | 2 | 304 | CLA | C3C-C4C-NC | 3.44 | 114.84 | 110.43 |
| 37 | 4 | 314 | A86 | C35-C34-C33 | 3.44 | 116.07 | 109.89 |
| 30 | B | 818 | CLA | C1-C2-C3 | -3.44 | 120.55 | 126.20 |
| 30 | 5 | 302 | CLA | C1C-C2C-C3C | -3.44 | 103.36 | 106.98 |
| 30 | A | 843 | CLA | C4A-NA-C1A | -3.44 | 105.11 | 106.68 |
| 30 | 3 | 301 | CLA | C3B-C4B-NB | 3.44 | 113.66 | 109.21 |
| 30 | A | 842 | CLA | C1C-C2C-C3C | -3.44 | 103.36 | 106.98 |
| 30 | 10 | 305 | CLA | C3C-C4C-NC | 3.44 | 114.84 | 110.43 |
| 30 | A | 819 | CLA | C4C-C3C-C2C | -3.44 | 101.88 | 106.89 |
| 38 | 8 | 314 | KC1 | C4B-C3B-C2B | -3.44 | 103.83 | 106.81 |
| 38 | 12 | 313 | KC1 | C4B-C3B-C2B | -3.44 | 103.83 | 106.81 |
| 37 | 2 | 319 | A86 | C41-C32-C31 | -3.44 | 107.40 | 110.47 |
| 30 | 8 | 301 | CLA | CMC-C2C-C1C | 3.44 | 130.40 | 125.03 |
| 30 | A | 817 | CLA | C4A-NA-C1A | -3.43 | 105.11 | 106.68 |
| 30 | A | 836 | CLA | C3C-C4C-NC | 3.43 | 114.83 | 110.43 |
| 30 | B | 819 | CLA | C1C-C2C-C3C | -3.43 | 103.37 | 106.98 |
| 30 | A | 832 | CLA | O2D-CGD-O1D | -3.43 | 117.16 | 123.85 |
| 30 | A | 833 | CLA | C1D-CHD-C4C | -3.43 | 118.72 | 126.02 |
| 30 | 16 | 306 | CLA | CHD-C1D-ND | -3.43 | 119.97 | 124.80 |
| 30 | B | 837 | CLA | C1C-C2C-C3C | -3.43 | 103.37 | 106.98 |
| 30 | 14 | 302 | CLA | C1C-C2C-C3C | -3.43 | 103.37 | 106.98 |
| 38 | 10 | 312 | KC1 | CBA-CAA-C2A | -3.43 | 111.69 | 125.45 |
| 30 | 2 | 303 | CLA | CHB-C4A-NA | 3.43 | 129.35 | 124.40 |
| 38 | 5 | 306 | KC1 | C2C-C1C-NC | 3.43 | 114.69 | 110.45 |
| 30 | 14 | 313 | CLA | CAA-C2A-C3A | -3.43 | 103.73 | 113.00 |
| 39 | 3 | 313 | DD6 | C13-C11-C10 | -3.43 | 113.62 | 119.01 |
| 30 | A | 806 | CLA | C3C-C4C-NC | 3.43 | 114.82 | 110.43 |
| 30 | 2 | 301 | CLA | C3B-C4B-NB | 3.43 | 113.64 | 109.21 |
| 30 | A | 826 | CLA | O2D-CGD-O1D | -3.43 | 117.18 | 123.85 |
| 30 | 12 | 321 | CLA | O2D-CGD-CBD | 3.43 | 117.22 | 111.23 |
| 30 | 11 | 309 | CLA | C1C-C2C-C3C | -3.42 | 103.38 | 106.98 |
| 30 | B | 801 | CLA | C4C-C3C-C2C | -3.42 | 101.91 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 828 | CLA | CHD-C4C-NC | 3.42 | 129.54 | 124.23 |
| 38 | 3 | 304 | KC1 | CBA-CAA-C2A | -3.42 | 111.72 | 125.45 |
| 30 | B | 826 | CLA | C3B-C4B-NB | 3.42 | 113.63 | 109.21 |
| 30 | A | 816 | CLA | C1C-C2C-C3C | -3.42 | 103.38 | 106.98 |
| 38 | 11 | 307 | KC1 | C1A-NA-C4A | -3.42 | 105.12 | 106.68 |
| 30 | 8 | 305 | CLA | C3B-C4B-NB | 3.42 | 113.63 | 109.21 |
| 37 | 15 | 322 | A86 | C-C1-C2 | -3.42 | 117.28 | 122.82 |
| 30 | A | 806 | CLA | C4C-C3C-C2C | -3.42 | 101.91 | 106.89 |
| 30 | A | 833 | CLA | C3C-C4C-NC | 3.42 | 114.81 | 110.43 |
| 30 | A | 839 | CLA | C3C-C4C-NC | 3.42 | 114.81 | 110.43 |
| 30 | 7 | 310 | CLA | C3C-C4C-NC | 3.42 | 114.81 | 110.43 |
| 38 | 9 | 304 | KC1 | C4B-C3B-C2B | -3.42 | 103.85 | 106.81 |
| 30 | 10 | 303 | CLA | C1C-C2C-C3C | -3.42 | 103.38 | 106.98 |
| 38 | 9 | 311 | KC1 | C4B-C3B-C2B | -3.42 | 103.85 | 106.81 |
| 37 | 16 | 312 | A86 | C10-C9-C8 | 3.42 | 133.10 | 123.20 |
| 30 | A | 820 | CLA | CAC-C3C-C4C | 3.42 | 129.24 | 124.79 |
| 30 | 11 | 309 | CLA | C3B-C4B-NB | 3.42 | 113.63 | 109.21 |
| 30 | A | 813 | CLA | CMB-C2B-C3B | 3.41 | 131.51 | 124.68 |
| 30 | A | 825 | CLA | C3B-C4B-NB | 3.41 | 113.62 | 109.21 |
| 38 | 13 | 312 | KC1 | CAA-CBA-CGA | -3.41 | 109.69 | 127.05 |
| 37 | 8 | 315 | A86 | C3-C4-C5 | -3.41 | 116.53 | 123.52 |
| 30 | L | 203 | CLA | C3C-C4C-NC | 3.41 | 114.80 | 110.43 |
| 38 | 5 | 305 | KC1 | C4B-C3B-C2B | -3.41 | 103.85 | 106.81 |
| 38 | 11 | 307 | KC1 | CAA-CBA-CGA | -3.41 | 109.69 | 127.05 |
| 30 | 7 | 309 | CLA | C3C-C4C-NC | 3.41 | 114.80 | 110.43 |
| 39 | 10 | 313 | DD6 | C7-C6-C8 | -3.41 | 112.88 | 118.09 |
| 30 | 8 | 303 | CLA | CAA-C2A-C3A | -3.41 | 103.78 | 113.00 |
| 30 | 7 | 309 | CLA | C3B-C4B-NB | 3.41 | 113.62 | 109.21 |
| 30 | 15 | 302 | CLA | C1C-C2C-C3C | -3.41 | 103.39 | 106.98 |
| 39 | 10 | 314 | DD6 | C19-C18-C17 | 3.41 | 117.17 | 110.79 |
| 30 | B | 808 | CLA | C3C-C4C-NC | 3.41 | 114.80 | 110.43 |
| 30 | 6 | 316 | CLA | C1-C2-C3 | -3.41 | 120.61 | 126.20 |
| 37 | 1 | 309 | A86 | C35-C34-C33 | 3.41 | 116.01 | 109.89 |
| 30 | A | 821 | CLA | C3B-C4B-NB | 3.41 | 113.61 | 109.21 |
| 30 | L | 202 | CLA | C1D-CHD-C4C | -3.41 | 118.78 | 126.02 |
| 30 | 16 | 307 | CLA | C3C-C4C-NC | 3.41 | 114.79 | 110.43 |
| 30 | 12 | 321 | CLA | C3B-C4B-NB | 3.41 | 113.61 | 109.21 |
| 38 | 8 | 311 | KC1 | C1C-C2C-C3C | -3.40 | 103.40 | 106.98 |
| 39 | 10 | 313 | DD6 | O1-C20-C21 | -3.40 | 111.24 | 115.05 |
| 30 | L | 202 | CLA | C3B-C4B-NB | 3.40 | 113.61 | 109.21 |
| 38 | 7 | 308 | KC1 | CBA-CAA-C2A | -3.40 | 111.79 | 125.45 |
| 38 | 3 | 308 | KC1 | CAC-C3C-C4C | 3.40 | 129.22 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 8 | 315 | A86 | C4-C3-C2 | -3.40 | 116.56 | 123.52 |
| 30 | B | 803 | CLA | C1-C2-C3 | -3.40 | 120.62 | 126.20 |
| 30 | A | 837 | CLA | C3C-C4C-NC | 3.40 | 114.79 | 110.43 |
| 39 | 10 | 313 | DD6 | C3-C4-C5 | -3.40 | 116.56 | 123.52 |
| 30 | B | 816 | CLA | C3C-C4C-NC | 3.40 | 114.78 | 110.43 |
| 30 | A | 814 | CLA | C3B-C4B-NB | 3.40 | 113.61 | 109.21 |
| 39 | 4 | 313 | DD6 | C25-C24-C1 | -3.40 | 117.04 | 126.36 |
| 30 | 6 | 305 | CLA | C3B-C4B-NB | 3.40 | 113.60 | 109.21 |
| 39 | 5 | 313 | DD6 | C15-C14-C13 | -3.40 | 118.81 | 125.99 |
| 30 | 2 | 303 | CLA | CAC-C3C-C4C | 3.40 | 129.21 | 124.79 |
| 30 | A | 803 | CLA | CAA-C2A-C3A | -3.40 | 103.82 | 113.00 |
| 30 | 9 | 301 | CLA | C3C-C4C-NC | 3.40 | 114.78 | 110.43 |
| 30 | 3 | 310 | CLA | C3B-C4B-NB | 3.40 | 113.60 | 109.21 |
| 30 | 13 | 304 | CLA | C3C-C4C-NC | 3.39 | 114.78 | 110.43 |
| 30 | 1 | 305 | CLA | C3B-C4B-NB | 3.39 | 113.60 | 109.21 |
| 30 | 6 | 309 | CLA | C3C-C4C-NC | 3.39 | 114.78 | 110.43 |
| 30 | 15 | 304 | CLA | C1-O2A-CGA | 3.39 | 124.86 | 116.65 |
| 30 | 6 | 306 | CLA | C1C-C2C-C3C | -3.39 | 103.41 | 106.98 |
| 30 | 8 | 304 | CLA | CAA-C2A-C1A | -3.39 | 100.86 | 111.97 |
| 30 | 9 | 302 | CLA | C3C-C4C-NC | 3.39 | 114.77 | 110.43 |
| 30 | A | 811 | CLA | C3C-C4C-NC | 3.39 | 114.77 | 110.43 |
| 30 | 7 | 311 | CLA | C3C-C4C-NC | 3.39 | 114.77 | 110.43 |
| 39 | 3 | 312 | DD6 | C15-C14-C13 | -3.39 | 118.83 | 125.99 |
| 30 | 2 | 311 | CLA | C3C-C4C-NC | 3.39 | 114.77 | 110.43 |
| 39 | 7 | 317 | DD6 | C37-C36-C35 | -3.39 | 108.19 | 114.42 |
| 30 | 8 | 308 | CLA | O2A-CGA-CBA | 3.39 | 122.17 | 111.83 |
| 37 | 9 | 313 | A86 | C35-C34-C33 | 3.39 | 115.97 | 109.89 |
| 37 | 1 | 309 | A86 | C36-C31-C32 | -3.39 | 116.33 | 119.70 |
| 30 | 6 | 316 | CLA | C1C-C2C-C3C | -3.39 | 103.42 | 106.98 |
| 30 | 2 | 305 | CLA | O2D-CGD-O1D | -3.39 | 117.26 | 123.85 |
| 30 | 9 | 303 | CLA | C3B-C4B-NB | 3.39 | 113.59 | 109.21 |
| 30 | B | 838 | CLA | C4-C3-C5 | 3.39 | 121.11 | 115.23 |
| 30 | A | 811 | CLA | C3B-C4B-NB | 3.39 | 113.59 | 109.21 |
| 30 | 15 | 313 | CLA | C3C-C4C-NC | 3.39 | 114.77 | 110.43 |
| 30 | B | 824 | CLA | C3C-C4C-NC | 3.38 | 114.77 | 110.43 |
| 30 | 1 | 305 | CLA | C3C-C4C-NC | 3.38 | 114.77 | 110.43 |
| 39 | 3 | 312 | DD6 | C21-C20-C15 | -3.38 | 116.74 | 122.30 |
| 30 | B | 817 | CLA | C4C-C3C-C2C | -3.38 | 101.97 | 106.89 |
| 37 | 11 | 315 | A86 | C9-C10-C11 | -3.38 | 117.08 | 126.64 |
| 30 | 8 | 302 | CLA | C3B-C4B-NB | 3.38 | 113.58 | 109.21 |
| 30 | B | 806 | CLA | CAA-C2A-C3A | -3.38 | 103.87 | 113.00 |
| 30 | A | 809 | CLA | C3C-C4C-NC | 3.38 | 114.76 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 838 | CLA | C3C-C4C-NC | 3.38 | 114.76 | 110.43 |
| 38 | 12 | 309 | KC1 | C2A-C1A-NA | 3.38 | 114.75 | 109.34 |
| 30 | 15 | 305 | CLA | C3C-C4C-NC | 3.38 | 114.76 | 110.43 |
| 30 | 5 | 304 | CLA | C3B-C4B-NB | 3.38 | 113.58 | 109.21 |
| 30 | 14 | 307 | CLA | C4C-C3C-C2C | -3.38 | 101.98 | 106.89 |
| 38 | 9 | 304 | KC1 | CAA-CBA-CGA | -3.38 | 109.88 | 127.05 |
| 30 | 15 | 311 | CLA | C3B-C4B-NB | 3.38 | 113.57 | 109.21 |
| 30 | A | 828 | CLA | CHD-C1D-ND | -3.38 | 120.05 | 124.80 |
| 30 | A | 805 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 30 | 10 | 307 | CLA | C1C-C2C-C3C | -3.37 | 103.43 | 106.98 |
| 30 | A | 826 | CLA | CAC-C3C-C4C | 3.37 | 129.18 | 124.79 |
| 38 | 8 | 314 | KC1 | CGD-CBD-CAD | -3.37 | 99.92 | 110.85 |
| 39 | 4 | 313 | DD6 | C37-C36-C35 | -3.37 | 108.22 | 114.42 |
| 30 | B | 825 | CLA | C4C-C3C-C2C | -3.37 | 101.98 | 106.89 |
| 30 | 4 | 302 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 30 | B | 809 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 30 | B | 805 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 38 | 9 | 304 | KC1 | CBA-CAA-C2A | -3.37 | 111.92 | 125.45 |
| 30 | B | 807 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 30 | B | 827 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 30 | 11 | 309 | CLA | CMB-C2B-C3B | 3.37 | 131.42 | 124.68 |
| 30 | 8 | 304 | CLA | C4C-C3C-C2C | -3.37 | 101.98 | 106.89 |
| 30 | 3 | 309 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 30 | 8 | 308 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 30 | B | 812 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 30 | 16 | 305 | CLA | C3B-C4B-NB | 3.37 | 113.57 | 109.21 |
| 30 | B | 813 | CLA | CAC-C3C-C4C | 3.37 | 129.17 | 124.79 |
| 30 | 12 | 302 | CLA | CAA-C2A-C1A | -3.37 | 100.94 | 111.97 |
| 30 | 4 | 305 | CLA | C3C-C4C-NC | 3.37 | 114.75 | 110.43 |
| 38 | 8 | 307 | KC1 | C2C-C1C-NC | 3.37 | 114.62 | 110.45 |
| 38 | 8 | 307 | KC1 | CBA-CAA-C2A | -3.37 | 111.94 | 125.45 |
| 39 | 1 | 310 | DD6 | C37-C36-C35 | -3.37 | 108.23 | 114.42 |
| 38 | 10 | 312 | KC1 | CAA-CBA-CGA | -3.37 | 109.93 | 127.05 |
| 30 | 9 | 305 | CLA | C3B-C4B-NB | 3.37 | 113.56 | 109.21 |
| 30 | B | 831 | CLA | C3C-C4C-NC | 3.36 | 114.74 | 110.43 |
| 30 | 16 | 308 | CLA | C3C-C4C-NC | 3.36 | 114.74 | 110.43 |
| 30 | 6 | 310 | CLA | C3B-C4B-NB | 3.36 | 113.56 | 109.21 |
| 30 | 6 | 316 | CLA | CMB-C2B-C3B | 3.36 | 131.40 | 124.68 |
| 37 | 13 | 313 | A86 | C25-C26-C27 | 3.36 | 131.99 | 127.28 |
| 39 | 2 | 316 | DD6 | C35-C36-C31 | -3.36 | 113.50 | 120.50 |
| 30 | 15 | 305 | CLA | CAC-C3C-C4C | 3.36 | 129.16 | 124.79 |
| 30 | A | 813 | CLA | C3B-C4B-NB | 3.36 | 113.56 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 1 | 309 | A86 | C26-C25-C24 | -3.36 | 113.46 | 123.20 |
| 30 | B | 802 | CLA | O2D-CGD-O1D | -3.36 | 117.31 | 123.85 |
| 37 | 15 | 321 | A86 | C10-C9-C8 | -3.36 | 113.46 | 123.20 |
| 30 | 13 | 301 | CLA | CAC-C3C-C4C | 3.36 | 129.16 | 124.79 |
| 30 | A | 843 | CLA | C3C-C4C-NC | 3.36 | 114.73 | 110.43 |
| 38 | 14 | 311 | KC1 | C4B-C3B-C2B | -3.36 | 103.90 | 106.81 |
| 30 | B | 824 | CLA | C1C-C2C-C3C | -3.36 | 103.45 | 106.98 |
| 30 | B | 801 | CLA | C3B-C4B-NB | 3.36 | 113.55 | 109.21 |
| 30 | B | 806 | CLA | CHD-C4C-NC | 3.36 | 129.44 | 124.23 |
| 30 | 13 | 309 | CLA | C3B-C4B-NB | 3.36 | 113.55 | 109.21 |
| 37 | 5 | 316 | A86 | C12-C11-C13 | 3.36 | 121.44 | 116.00 |
| 30 | 9 | 303 | CLA | CMB-C2B-C3B | 3.35 | 131.39 | 124.68 |
| 30 | A | 836 | CLA | CAC-C3C-C4C | 3.35 | 129.16 | 124.79 |
| 30 | L | 202 | CLA | C3C-C4C-NC | 3.35 | 114.73 | 110.43 |
| 38 | 2 | 306 | KC1 | CBA-CAA-C2A | -3.35 | 111.99 | 125.45 |
| 38 | 9 | 304 | KC1 | CAC-C3C-C4C | 3.35 | 129.15 | 124.79 |
| 30 | A | 828 | CLA | C3B-C4B-NB | 3.35 | 113.55 | 109.21 |
| 30 | B | 801 | CLA | CMA-C3A-C4A | -3.35 | 102.76 | 111.77 |
| 30 | B | 806 | CLA | C3C-C4C-NC | 3.35 | 114.73 | 110.43 |
| 30 | 8 | 304 | CLA | O2A-CGA-CBA | 3.35 | 122.06 | 111.83 |
| 30 | 9 | 302 | CLA | CAC-C3C-C4C | 3.35 | 129.15 | 124.79 |
| 30 | 4 | 303 | CLA | C1D-CHD-C4C | -3.35 | 118.89 | 126.02 |
| 30 | A | 835 | CLA | C3C-C4C-NC | 3.35 | 114.72 | 110.43 |
| 37 | 6 | 320 | A86 | C36-C31-C32 | -3.35 | 116.37 | 119.70 |
| 30 | 4 | 303 | CLA | C1C-C2C-C3C | -3.35 | 103.46 | 106.98 |
| 30 | 12 | 307 | CLA | CMB-C2B-C3B | 3.35 | 131.38 | 124.68 |
| 30 | A | 817 | CLA | C3B-C4B-NB | 3.35 | 113.54 | 109.21 |
| 30 | A | 820 | CLA | C3B-C4B-NB | 3.35 | 113.54 | 109.21 |
| 30 | 2 | 308 | CLA | CMC-C2C-C1C | 3.35 | 130.26 | 125.03 |
| 30 | A | 821 | CLA | O2A-CGA-CBA | 3.35 | 122.04 | 111.83 |
| 38 | 13 | 306 | KC1 | C2C-C1C-NC | 3.35 | 114.59 | 110.45 |
| 30 | A | 837 | CLA | O2D-CGD-O1D | -3.35 | 117.33 | 123.85 |
| 39 | 6 | 318 | DD6 | C25-C24-C1 | -3.34 | 117.19 | 126.36 |
| 38 | 1 | 306 | KC1 | CAA-CBA-CGA | -3.34 | 110.04 | 127.05 |
| 39 | 9 | 314 | DD6 | O1-C15-C14 | -3.34 | 107.30 | 116.88 |
| 30 | 1 | 301 | CLA | C3C-C4C-NC | 3.34 | 114.71 | 110.43 |
| 30 | A | 831 | CLA | C4C-C3C-C2C | -3.34 | 102.03 | 106.89 |
| 30 | 1 | 302 | CLA | CAA-C2A-C3A | -3.34 | 103.97 | 113.00 |
| 30 | 3 | 307 | CLA | C3B-C4B-NB | 3.34 | 113.53 | 109.21 |
| 30 | 13 | 303 | CLA | C3B-C4B-NB | 3.34 | 113.53 | 109.21 |
| 30 | B | 839 | CLA | O2D-CGD-O1D | -3.34 | 117.35 | 123.85 |
| 38 | 14 | 306 | KC1 | C2C-C1C-NC | 3.34 | 114.58 | 110.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 312 | CLA | CAA-C2A-C3A | -3.34 | 103.98 | 113.00 |
| 30 | B | 812 | CLA | C4A-NA-C1A | -3.34 | 105.16 | 106.68 |
| 30 | B | 831 | CLA | C3B-C4B-NB | 3.34 | 113.52 | 109.21 |
| 30 | 12 | 304 | CLA | C3B-C4B-NB | 3.34 | 113.52 | 109.21 |
| 30 | 1 | 304 | CLA | CAC-C3C-C4C | 3.33 | 129.13 | 124.79 |
| 30 | B | 819 | CLA | C4C-C3C-C2C | -3.33 | 102.04 | 106.89 |
| 38 | 10 | 312 | KC1 | C2C-C1C-NC | 3.33 | 114.58 | 110.45 |
| 30 | B | 802 | CLA | O2A-CGA-CBA | 3.33 | 122.00 | 111.83 |
| 30 | 12 | 307 | CLA | CHD-C1D-ND | -3.33 | 120.11 | 124.80 |
| 30 | 4 | 311 | CLA | CBC-CAC-C3C | -3.33 | 103.39 | 112.42 |
| 30 | 1 | 304 | CLA | CHD-C1D-ND | -3.33 | 120.11 | 124.80 |
| 30 | 8 | 309 | CLA | C3B-C4B-NB | 3.33 | 113.52 | 109.21 |
| 30 | 14 | 309 | CLA | C3B-C4B-NB | 3.33 | 113.52 | 109.21 |
| 38 | 6 | 308 | KC1 | C2C-C1C-NC | 3.33 | 114.57 | 110.45 |
| 30 | 9 | 303 | CLA | C3C-C4C-NC | 3.33 | 114.70 | 110.43 |
| 37 | 9 | 315 | A86 | C-C1-C24 | 3.33 | 123.17 | 118.09 |
| 30 | B | 811 | CLA | C3B-C4B-NB | 3.33 | 113.52 | 109.21 |
| 30 | 15 | 312 | CLA | C3B-C4B-NB | 3.33 | 113.52 | 109.21 |
| 30 | A | 811 | CLA | C4A-NA-C1A | -3.33 | 105.16 | 106.68 |
| 30 | B | 805 | CLA | CAC-C3C-C4C | 3.33 | 129.12 | 124.79 |
| 38 | 7 | 313 | KC1 | C2C-C1C-NC | 3.33 | 114.57 | 110.45 |
| 30 | B | 818 | CLA | C3B-C4B-NB | 3.33 | 113.51 | 109.21 |
| 30 | 12 | 302 | CLA | C3B-C4B-NB | 3.33 | 113.51 | 109.21 |
| 30 | A | 842 | CLA | CAA-C2A-C3A | -3.33 | 104.01 | 113.00 |
| 30 | 7 | 306 | CLA | C3B-C4B-NB | 3.33 | 113.51 | 109.21 |
| 30 | 4 | 309 | CLA | C3B-C4B-NB | 3.33 | 113.51 | 109.21 |
| 30 | 8 | 305 | CLA | C1C-C2C-C3C | -3.32 | 103.48 | 106.98 |
| 30 | 3 | 306 | CLA | C3C-C4C-NC | 3.32 | 114.69 | 110.43 |
| 37 | 16 | 312 | A86 | C40-C32-C31 | -3.32 | 107.50 | 110.47 |
| 39 | 6 | 318 | DD6 | C19-C18-C17 | 3.32 | 117.01 | 110.79 |
| 30 | B | 834 | CLA | C4C-C3C-C2C | -3.32 | 102.05 | 106.89 |
| 38 | 6 | 312 | KC1 | CAA-CBA-CGA | -3.32 | 110.15 | 127.05 |
| 30 | B | 839 | CLA | CHD-C4C-NC | 3.32 | 129.38 | 124.23 |
| 30 | A | 836 | CLA | C3B-C4B-NB | 3.32 | 113.51 | 109.21 |
| 37 | 15 | 321 | A86 | C34-O4-C38 | -3.32 | 111.98 | 117.85 |
| 30 | 3 | 301 | CLA | C3C-C4C-NC | 3.32 | 114.69 | 110.43 |
| 30 | 15 | 312 | CLA | CBC-CAC-C3C | -3.32 | 103.42 | 112.42 |
| 38 | 8 | 307 | KC1 | CMB-C2B-C1B | 3.32 | 130.58 | 124.73 |
| 38 | 8 | 306 | KC1 | C1A-NA-C4A | -3.32 | 105.16 | 106.68 |
| 30 | B | 814 | CLA | CAA-C2A-C3A | -3.32 | 104.03 | 113.00 |
| 30 | F | 201 | CLA | C4C-C3C-C2C | -3.32 | 102.06 | 106.89 |
| 30 | 15 | 304 | CLA | C4C-C3C-C2C | -3.32 | 102.06 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 13 | 314 | DD6 | C37-C36-C35 | -3.32 | 108.32 | 114.42 |
| 31 | B | 840 | PQN | C11-C12-C13 | -3.32 | 121.11 | 126.83 |
| 30 | 3 | 307 | CLA | C4C-C3C-C2C | -3.32 | 102.06 | 106.89 |
| 30 | 16 | 308 | CLA | C3B-C4B-NB | 3.32 | 113.50 | 109.21 |
| 30 | A | 830 | CLA | CMC-C2C-C1C | 3.32 | 130.22 | 125.03 |
| 30 | 9 | 306 | CLA | CHC-C1C-C2C | -3.32 | 117.54 | 126.94 |
| 30 | 5 | 308 | CLA | C3C-C4C-NC | 3.32 | 114.68 | 110.43 |
| 30 | 14 | 309 | CLA | C3C-C4C-NC | 3.32 | 114.68 | 110.43 |
| 30 | B | 810 | CLA | C1C-C2C-C3C | -3.32 | 103.49 | 106.98 |
| 38 | 13 | 308 | KC1 | CAA-CBA-CGA | -3.32 | 110.18 | 127.05 |
| 30 | A | 831 | CLA | CAC-C3C-C4C | 3.32 | 129.11 | 124.79 |
| 30 | B | 835 | CLA | C3C-C4C-NC | 3.32 | 114.68 | 110.43 |
| 30 | 2 | 305 | CLA | C3C-C4C-NC | 3.32 | 114.68 | 110.43 |
| 30 | 12 | 306 | CLA | C3B-C4B-NB | 3.32 | 113.50 | 109.21 |
| 30 | A | 820 | CLA | C1-C2-C3 | -3.32 | 120.76 | 126.20 |
| 30 | 16 | 308 | CLA | CAC-C3C-C4C | 3.32 | 129.10 | 124.79 |
| 30 | A | 831 | CLA | CHD-C1D-ND | -3.32 | 120.14 | 124.80 |
| 30 | A | 818 | CLA | CMC-C2C-C1C | 3.31 | 130.21 | 125.03 |
| 34 | B | 848 | LHG | O8-C23-C24 | 3.31 | 121.20 | 111.15 |
| 30 | 3 | 303 | CLA | CBA-CAA-C2A | 3.31 | 123.65 | 113.79 |
| 38 | 12 | 311 | KC1 | CAC-C3C-C4C | 3.31 | 129.10 | 124.79 |
| 30 | 5 | 309 | CLA | C3C-C4C-NC | 3.31 | 114.67 | 110.43 |
| 30 | 14 | 313 | CLA | C3C-C4C-NC | 3.31 | 114.67 | 110.43 |
| 30 | B | 827 | CLA | CAC-C3C-C4C | 3.31 | 129.10 | 124.79 |
| 30 | 5 | 309 | CLA | C3B-C4B-NB | 3.31 | 113.49 | 109.21 |
| 30 | A | 841 | CLA | C1C-C2C-C3C | -3.31 | 103.50 | 106.98 |
| 30 | 9 | 301 | CLA | C4C-C3C-C2C | -3.31 | 102.07 | 106.89 |
| 29 | A | 801 | CL0 | CHD-C1D-ND | -3.31 | 120.14 | 124.80 |
| 38 | 5 | 312 | KC1 | CMD-C2D-C1D | 3.31 | 133.30 | 128.46 |
| 30 | 14 | 309 | CLA | CHC-C1C-C2C | -3.31 | 117.57 | 126.94 |
| 30 | B | 826 | CLA | C4C-C3C-C2C | -3.31 | 102.08 | 106.89 |
| 37 | 11 | 314 | A86 | C10-C9-C8 | -3.31 | 113.62 | 123.20 |
| 30 | B | 809 | CLA | CAC-C3C-C4C | 3.31 | 129.09 | 124.79 |
| 30 | 15 | 309 | CLA | C3B-C4B-NB | 3.31 | 113.48 | 109.21 |
| 30 | 2 | 308 | CLA | C1C-C2C-C3C | -3.30 | 103.50 | 106.98 |
| 30 | B | 823 | CLA | O2D-CGD-O1D | -3.30 | 117.42 | 123.85 |
| 30 | B | 811 | CLA | CHD-C1D-ND | -3.30 | 120.15 | 124.80 |
| 38 | 14 | 311 | KC1 | CAA-CBA-CGA | -3.30 | 110.25 | 127.05 |
| 38 | 8 | 306 | KC1 | CAA-CBA-CGA | -3.30 | 110.25 | 127.05 |
| 30 | B | 813 | CLA | O2A-CGA-CBA | 3.30 | 121.90 | 111.83 |
| 30 | A | 803 | CLA | C1D-CHD-C4C | -3.30 | 119.00 | 126.02 |
| 38 | 13 | 305 | KC1 | CAC-C3C-C4C | 3.30 | 129.08 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 821 | CLA | C4A-NA-C1A | -3.30 | 105.17 | 106.68 |
| 38 | 3 | 311 | KC1 | CAA-CBA-CGA | -3.30 | 110.28 | 127.05 |
| 30 | 6 | 317 | CLA | C3C-C4C-NC | 3.30 | 114.66 | 110.43 |
| 30 | 16 | 306 | CLA | C4C-C3C-C2C | -3.30 | 102.09 | 106.89 |
| 30 | A | 829 | CLA | CMB-C2B-C3B | 3.30 | 131.27 | 124.68 |
| 38 | 6 | 308 | KC1 | CAA-CBA-CGA | -3.30 | 110.28 | 127.05 |
| 30 | 10 | 308 | CLA | C1C-C2C-C3C | -3.30 | 103.51 | 106.98 |
| 30 | A | 829 | CLA | C3B-C4B-NB | 3.30 | 113.47 | 109.21 |
| 30 | 6 | 315 | CLA | C3B-C4B-NB | 3.30 | 113.47 | 109.21 |
| 30 | 12 | 312 | CLA | C3C-C4C-NC | 3.29 | 114.65 | 110.43 |
| 39 | 13 | 314 | DD6 | C35-C36-C31 | -3.29 | 113.64 | 120.50 |
| 30 | A | 818 | CLA | C1C-C2C-C3C | -3.29 | 103.52 | 106.98 |
| 30 | F | 202 | CLA | C4C-C3C-C2C | -3.29 | 102.10 | 106.89 |
| 30 | 11 | 304 | CLA | C3C-C4C-NC | 3.29 | 114.65 | 110.43 |
| 30 | 15 | 309 | CLA | C3C-C4C-NC | 3.29 | 114.65 | 110.43 |
| 30 | 5 | 302 | CLA | C1-C2-C3 | -3.29 | 120.80 | 126.20 |
| 37 | 15 | 315 | A86 | C25-C24-C1 | 3.29 | 135.39 | 126.36 |
| 30 | 15 | 307 | CLA | C3B-C4B-NB | 3.29 | 113.47 | 109.21 |
| 30 | A | 815 | CLA | O2A-CGA-CBA | 3.29 | 121.88 | 111.83 |
| 30 | 8 | 309 | CLA | C3C-C4C-NC | 3.29 | 114.65 | 110.43 |
| 39 | 12 | 317 | DD6 | C15-C14-C13 | 3.29 | 132.96 | 125.99 |
| 37 | 14 | 320 | A86 | C21-C20-C15 | -3.29 | 112.72 | 123.35 |
| 30 | 2 | 311 | CLA | C4A-NA-C1A | -3.29 | 105.18 | 106.68 |
| 30 | B | 809 | CLA | CHC-C1C-C2C | -3.29 | 117.62 | 126.94 |
| 30 | 9 | 309 | CLA | CHC-C1C-C2C | -3.29 | 117.62 | 126.94 |
| 39 | 6 | 321 | DD6 | C21-C20-C19 | -3.29 | 110.54 | 114.24 |
| 30 | 15 | 302 | CLA | CAA-C2A-C3A | -3.29 | 104.11 | 113.00 |
| 30 | A | 808 | CLA | C4A-NA-C1A | -3.29 | 105.18 | 106.68 |
| 37 | 2u | 203 | A86 | C4-C5-C6 | -3.29 | 122.67 | 127.28 |
| 30 | 4 | 311 | CLA | C3B-C4B-NB | 3.29 | 113.46 | 109.21 |
| 38 | 2 | 314 | KC1 | CAA-CBA-CGA | -3.29 | 110.33 | 127.05 |
| 38 | 13 | 306 | KC1 | C4C-C3C-C2C | -3.29 | 102.11 | 106.89 |
| 30 | 3 | 306 | CLA | C1C-C2C-C3C | -3.29 | 103.52 | 106.98 |
| 30 | A | 804 | CLA | C4C-C3C-C2C | -3.29 | 102.11 | 106.89 |
| 30 | B | 825 | CLA | O2D-CGD-O1D | -3.29 | 117.45 | 123.85 |
| 30 | 14 | 307 | CLA | C1C-C2C-C3C | -3.29 | 103.52 | 106.98 |
| 30 | B | 835 | CLA | CAA-C2A-C3A | -3.29 | 104.12 | 113.00 |
| 30 | 2 | 305 | CLA | C3B-C4B-NB | 3.29 | 113.46 | 109.21 |
| 30 | 3 | 303 | CLA | C3C-C4C-NC | 3.28 | 114.64 | 110.43 |
| 30 | 15 | 303 | CLA | C4-C3-C5 | 3.28 | 120.93 | 115.23 |
| 30 | B | 834 | CLA | C3B-C4B-NB | 3.28 | 113.46 | 109.21 |
| 39 | 10 | 313 | DD6 | C35-C36-C31 | -3.28 | 113.67 | 120.50 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 9 | 302 | CLA | C3B-C4B-NB | 3.28 | 113.45 | 109.21 |
| 30 | B | 815 | CLA | CHC-C1C-C2C | -3.28 | 117.65 | 126.94 |
| 38 | 12 | 305 | KC1 | CBA-CAA-C2A | -3.28 | 112.28 | 125.45 |
| 30 | 4 | 306 | CLA | C3C-C4C-NC | 3.28 | 114.63 | 110.43 |
| 38 | 8 | 313 | KC1 | CAA-C2A-C1A | -3.28 | 110.26 | 124.64 |
| 30 | 14 | 310 | CLA | C3B-C4B-NB | 3.28 | 113.45 | 109.21 |
| 30 | 4 | 305 | CLA | C1D-CHD-C4C | -3.28 | 119.05 | 126.02 |
| 30 | A | 840 | CLA | O2A-CGA-CBA | 3.28 | 121.83 | 111.83 |
| 30 | A | 831 | CLA | CMA-C3A-C2A | -3.28 | 101.31 | 113.98 |
| 30 | 15 | 302 | CLA | C3C-C4C-NC | 3.28 | 114.63 | 110.43 |
| 30 | 8 | 301 | CLA | CMB-C2B-C3B | 3.28 | 131.23 | 124.68 |
| 39 | 11 | 313 | DD6 | C37-C36-C35 | -3.28 | 108.39 | 114.42 |
| 30 | 16 | 301 | CLA | CHD-C4C-NC | 3.28 | 129.31 | 124.23 |
| 30 | 3 | 305 | CLA | C3B-C4B-NB | 3.28 | 113.45 | 109.21 |
| 35 | 9 | 317 | LMT | C1'-C2'-C3' | 3.28 | 116.90 | 110.01 |
| 37 | 10 | 317 | A86 | C40-C32-C31 | -3.28 | 107.54 | 110.47 |
| 30 | 2 | 304 | CLA | CMB-C2B-C3B | 3.27 | 131.23 | 124.68 |
| 30 | 5 | 308 | CLA | C3B-C4B-NB | 3.27 | 113.44 | 109.21 |
| 30 | 7 | 312 | CLA | CHC-C1C-C2C | -3.27 | 117.67 | 126.94 |
| 30 | B | 810 | CLA | C1-C2-C3 | -3.27 | 120.83 | 126.20 |
| 37 | 11 | 315 | A86 | C36-C31-C32 | -3.27 | 116.45 | 119.70 |
| 37 | 4 | 315 | A86 | C10-C9-C8 | -3.27 | 113.72 | 123.20 |
| 39 | 6 | 321 | DD6 | C37-C36-C35 | -3.27 | 108.40 | 114.42 |
| 30 | 15 | 303 | CLA | C3B-C4B-NB | 3.27 | 113.44 | 109.21 |
| 39 | 2 | 316 | DD6 | C10-C9-C8 | -3.27 | 113.72 | 123.20 |
| 38 | 16 | 311 | KC1 | C4B-C3B-C2B | -3.27 | 103.98 | 106.81 |
| 38 | 6 | 308 | KC1 | C1C-C2C-C3C | -3.27 | 103.54 | 106.98 |
| 30 | 9 | 308 | CLA | CAC-C3C-C4C | 3.27 | 129.04 | 124.79 |
| 37 | 5 | 301 | A86 | C35-C34-C33 | 3.27 | 115.76 | 109.89 |
| 30 | A | 829 | CLA | C1C-C2C-C3C | -3.27 | 103.54 | 106.98 |
| 30 | 16 | 310 | CLA | CGD-CBD-CAD | -3.27 | 100.26 | 110.85 |
| 39 | 10 | 313 | DD6 | C15-C14-C13 | 3.27 | 132.90 | 125.99 |
| 31 | A | 845 | PQN | C14-C13-C15 | 3.27 | 120.90 | 115.23 |
| 30 | J | 101 | CLA | C3C-C4C-NC | 3.27 | 114.62 | 110.43 |
| 38 | 8 | 311 | KC1 | CAA-CBA-CGA | -3.27 | 110.43 | 127.05 |
| 30 | 3 | 305 | CLA | O2D-CGD-CBD | 3.27 | 116.94 | 111.23 |
| 30 | 13 | 303 | CLA | CAC-C3C-C4C | 3.27 | 129.04 | 124.79 |
| 38 | 10 | 310 | KC1 | CAA-CBA-CGA | -3.27 | 110.44 | 127.05 |
| 30 | B | 804 | CLA | O2D-CGD-O1D | -3.27 | 117.49 | 123.85 |
| 30 | 11 | 308 | CLA | C3C-C4C-NC | 3.27 | 114.61 | 110.43 |
| 29 | A | 801 | CL0 | C4A-NA-C1A | -3.27 | 105.19 | 106.68 |
| 30 | 5 | 303 | CLA | O2D-CGD-CBD | 3.27 | 116.94 | 111.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 302 | CLA | O2A-CGA-CBA | 3.26 | 121.79 | 111.83 |
| 30 | 2 | 310 | CLA | CMB-C2B-C3B | 3.26 | 131.21 | 124.68 |
| 30 | 16 | 302 | CLA | C3B-C4B-NB | 3.26 | 113.43 | 109.21 |
| 30 | 6 | 316 | CLA | CAC-C3C-C4C | 3.26 | 129.04 | 124.79 |
| 30 | 9 | 308 | CLA | C1C-C2C-C3C | -3.26 | 103.55 | 106.98 |
| 37 | 9 | 315 | A86 | C41-C32-C31 | -3.26 | 107.55 | 110.47 |
| 30 | 16 | 306 | CLA | CMB-C2B-C3B | 3.26 | 131.21 | 124.68 |
| 30 | B | 851 | CLA | C3C-C4C-NC | 3.26 | 114.61 | 110.43 |
| 30 | A | 806 | CLA | C4A-NA-C1A | -3.26 | 105.19 | 106.68 |
| 30 | 3 | 303 | CLA | C4A-NA-C1A | -3.26 | 105.19 | 106.68 |
| 30 | A | 805 | CLA | CMC-C2C-C1C | 3.26 | 130.13 | 125.03 |
| 30 | B | 814 | CLA | C4C-C3C-C2C | -3.26 | 102.14 | 106.89 |
| 30 | 5 | 304 | CLA | C1-O2A-CGA | 3.26 | 124.54 | 116.65 |
| 30 | 16 | 307 | CLA | CAA-C2A-C3A | -3.26 | 104.19 | 113.00 |
| 30 | B | 823 | CLA | C3B-C4B-NB | 3.26 | 113.42 | 109.21 |
| 30 | 8 | 305 | CLA | C4C-C3C-C2C | -3.26 | 102.15 | 106.89 |
| 30 | 15 | 306 | CLA | CHC-C1C-C2C | -3.26 | 117.71 | 126.94 |
| 38 | 8 | 310 | KC1 | CHD-C4C-NC | 3.26 | 129.22 | 124.31 |
| 30 | 12 | 308 | CLA | C3B-C4B-NB | 3.26 | 113.42 | 109.21 |
| 30 | 16 | 303 | CLA | C1-C2-C3 | -3.26 | 120.86 | 126.20 |
| 30 | A | 844 | CLA | C3C-C4C-NC | 3.26 | 114.60 | 110.43 |
| 30 | 1 | 301 | CLA | C3B-C4B-NB | 3.26 | 113.42 | 109.21 |
| 30 | 6 | 307 | CLA | CHC-C1C-C2C | -3.26 | 117.72 | 126.94 |
| 30 | 5 | 309 | CLA | CAC-C3C-C4C | 3.25 | 129.02 | 124.79 |
| 30 | 1 | 305 | CLA | CHC-C1C-C2C | -3.25 | 117.73 | 126.94 |
| 30 | 16 | 308 | CLA | CHC-C1C-C2C | -3.25 | 117.73 | 126.94 |
| 30 | B | 832 | CLA | C3C-C4C-NC | 3.25 | 114.60 | 110.43 |
| 30 | 8 | 309 | CLA | CHC-C1C-C2C | -3.25 | 117.73 | 126.94 |
| 30 | B | 818 | CLA | CMC-C2C-C1C | 3.25 | 130.12 | 125.03 |
| 37 | 14 | 316 | A86 | C10-C9-C8 | -3.25 | 113.78 | 123.20 |
| 37 | 2 | 318 | A86 | C12-C11-C13 | 3.25 | 121.27 | 116.00 |
| 30 | 4 | 306 | CLA | C4A-NA-C1A | -3.25 | 105.20 | 106.68 |
| 39 | 2 | 315 | DD6 | C10-C9-C8 | 3.25 | 132.62 | 123.20 |
| 38 | 5 | 306 | KC1 | C4B-C3B-C2B | -3.25 | 104.00 | 106.81 |
| 30 | B | 825 | CLA | C1C-C2C-C3C | -3.25 | 103.56 | 106.98 |
| 30 | 6 | 305 | CLA | C3C-C4C-NC | 3.25 | 114.59 | 110.43 |
| 38 | 7 | 308 | KC1 | CAA-CBA-CGA | -3.25 | 110.53 | 127.05 |
| 30 | 13 | 301 | CLA | CMC-C2C-C1C | 3.25 | 130.11 | 125.03 |
| 30 | B | 821 | CLA | C3C-C4C-NC | 3.25 | 114.59 | 110.43 |
| 30 | B | 807 | CLA | CAC-C3C-C4C | 3.25 | 129.02 | 124.79 |
| 30 | 4 | 311 | CLA | CHC-C1C-C2C | -3.25 | 117.74 | 126.94 |
| 30 | A | 838 | CLA | C1-C2-C3 | -3.25 | 120.88 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 306 | KC1 | CMB-C2B-C1B | 3.25 | 130.44 | 124.73 |
| 30 | 6 | 307 | CLA | C3C-C4C-NC | 3.24 | 114.59 | 110.43 |
| 30 | 6 | 317 | CLA | C3B-C4B-NB | 3.24 | 113.41 | 109.21 |
| 37 | 16 | 312 | A86 | C4-C3-C2 | -3.24 | 116.88 | 123.52 |
| 30 | 10 | 305 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 30 | 13 | 302 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 38 | 8 | 310 | KC1 | C1A-NA-C4A | -3.24 | 105.20 | 106.68 |
| 39 | 12 | 317 | DD6 | C37-C36-C35 | -3.24 | 108.46 | 114.42 |
| 30 | 4 | 302 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 30 | A | 818 | CLA | CHD-C4C-NC | 3.24 | 129.26 | 124.23 |
| 30 | A | 820 | CLA | C3C-C4C-NC | 3.24 | 114.58 | 110.43 |
| 39 | 15 | 319 | DD6 | O1-C20-C21 | -3.24 | 111.42 | 115.05 |
| 37 | 2u | 205 | A86 | C21-C20-C15 | -3.24 | 112.89 | 123.35 |
| 30 | 5 | 303 | CLA | C4-C3-C5 | 3.24 | 120.85 | 115.23 |
| 30 | 10 | 311 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 38 | 3 | 308 | KC1 | CAA-CBA-CGA | -3.24 | 110.57 | 127.05 |
| 37 | 15 | 321 | A86 | C4-C3-C2 | -3.24 | 116.89 | 123.52 |
| 30 | A | 835 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 30 | B | 813 | CLA | C3B-C4B-NB | 3.24 | 113.40 | 109.21 |
| 30 | 4 | 303 | CLA | C4C-C3C-C2C | -3.24 | 102.17 | 106.89 |
| 37 | 15 | 315 | A86 | C8-C6-C5 | -3.24 | 113.91 | 119.01 |
| 38 | 6 | 311 | KC1 | CAA-CBA-CGA | -3.24 | 110.58 | 127.05 |
| 30 | A | 815 | CLA | CMB-C2B-C3B | 3.24 | 131.15 | 124.68 |
| 30 | A | 815 | CLA | C3C-C4C-NC | 3.24 | 114.58 | 110.43 |
| 39 | 8 | 317 | DD6 | C35-C36-C31 | -3.24 | 113.76 | 120.50 |
| 30 | A | 821 | CLA | CHC-C1C-C2C | -3.24 | 117.77 | 126.94 |
| 30 | 1 | 302 | CLA | C3C-C4C-NC | 3.24 | 114.58 | 110.43 |
| 39 | 3 | 313 | DD6 | C37-C36-C35 | -3.24 | 108.47 | 114.42 |
| 30 | B | 808 | CLA | CBA-CAA-C2A | 3.24 | 123.42 | 113.79 |
| 39 | 2 | 317 | DD6 | C3-C4-C5 | -3.23 | 116.90 | 123.52 |
| 30 | 3 | 303 | CLA | C3B-C4B-NB | 3.23 | 113.39 | 109.21 |
| 38 | 7 | 313 | KC1 | CMB-C2B-C1B | 3.23 | 130.42 | 124.73 |
| 30 | A | 816 | CLA | CHC-C1C-C2C | -3.23 | 117.78 | 126.94 |
| 37 | 14 | 315 | A86 | C41-C32-C31 | -3.23 | 107.58 | 110.47 |
| 30 | B | 804 | CLA | C3B-C4B-NB | 3.23 | 113.39 | 109.21 |
| 30 | 7 | 309 | CLA | CHC-C1C-C2C | -3.23 | 117.79 | 126.94 |
| 30 | 14 | 303 | CLA | C3C-C4C-NC | 3.23 | 114.57 | 110.43 |
| 38 | 6 | 308 | KC1 | C4C-C3C-C2C | -3.23 | 102.19 | 106.89 |
| 38 | 1 | 306 | KC1 | CBA-CAA-C2A | -3.23 | 112.49 | 125.45 |
| 30 | 10 | 304 | CLA | C3B-C4B-NB | 3.23 | 113.39 | 109.21 |
| 38 | 16 | 311 | KC1 | CAA-CBA-CGA | -3.23 | 110.63 | 127.05 |
| 37 | 15 | 321 | A86 | C40-C32-C31 | -3.23 | 107.58 | 110.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 8 | 311 | KC1 | C4C-C3C-C2C | -3.23 | 102.19 | 106.89 |
| 37 | 14 | 320 | A86 | C-C1-C2 | -3.23 | 117.59 | 122.82 |
| 38 | 3 | 304 | KC1 | O2D-CGD-O1D | -3.23 | 117.56 | 123.85 |
| 30 | A | 830 | CLA | C4C-C3C-C2C | -3.23 | 102.19 | 106.89 |
| 30 | A | 840 | CLA | O2D-CGD-O1D | -3.23 | 117.57 | 123.85 |
| 30 | 11 | 308 | CLA | CAA-C2A-C3A | -3.23 | 104.28 | 113.00 |
| 30 | 7 | 307 | CLA | CHD-C4C-NC | 3.22 | 129.23 | 124.23 |
| 30 | 7 | 312 | CLA | C3C-C4C-NC | 3.22 | 114.56 | 110.43 |
| 30 | 10 | 303 | CLA | C3C-C4C-NC | 3.22 | 114.56 | 110.43 |
| 30 | 12 | 312 | CLA | C3B-C4B-NB | 3.22 | 113.38 | 109.21 |
| 30 | 13 | 307 | CLA | C3C-C4C-NC | 3.22 | 114.56 | 110.43 |
| 30 | 6 | 305 | CLA | CMB-C2B-C3B | 3.22 | 131.12 | 124.68 |
| 30 | A | 814 | CLA | CHC-C1C-C2C | -3.22 | 117.82 | 126.94 |
| 37 | 11 | 316 | A86 | C12-C11-C13 | 3.22 | 121.22 | 116.00 |
| 37 | 5 | 316 | A86 | C40-C32-C31 | -3.22 | 107.59 | 110.47 |
| 30 | A | 807 | CLA | C1-C2-C3 | -3.22 | 120.92 | 126.20 |
| 30 | 6 | 310 | CLA | C3C-C4C-NC | 3.22 | 114.56 | 110.43 |
| 30 | 1 | 304 | CLA | C4C-C3C-C2C | -3.22 | 102.20 | 106.89 |
| 30 | A | 806 | CLA | O2D-CGD-O1D | -3.22 | 117.58 | 123.85 |
| 30 | 10 | 309 | CLA | C3B-C4B-NB | 3.22 | 113.37 | 109.21 |
| 30 | 9 | 307 | CLA | C4-C3-C5 | 3.22 | 120.81 | 115.23 |
| 30 | 7 | 306 | CLA | C4A-NA-C1A | -3.22 | 105.21 | 106.68 |
| 30 | 3 | 303 | CLA | O2D-CGD-O1D | -3.22 | 117.58 | 123.85 |
| 30 | A | 810 | CLA | O2D-CGD-CBD | 3.22 | 116.85 | 111.23 |
| 38 | 2 | 312 | KC1 | CAC-C3C-C4C | 3.22 | 128.97 | 124.79 |
| 30 | A | 803 | CLA | C1C-C2C-C3C | -3.22 | 103.60 | 106.98 |
| 39 | 1 | 310 | DD6 | C35-C36-C31 | -3.22 | 113.81 | 120.50 |
| 38 | 12 | 313 | KC1 | CHD-C4C-NC | 3.21 | 129.15 | 124.31 |
| 30 | 16 | 305 | CLA | C1-C2-C3 | -3.21 | 121.56 | 126.76 |
| 37 | 4 | 312 | A86 | C25-C26-C27 | -3.21 | 122.77 | 127.28 |
| 37 | 11 | 315 | A86 | C21-C20-C15 | -3.21 | 112.98 | 123.35 |
| 30 | A | 809 | CLA | CMB-C2B-C3B | 3.21 | 131.10 | 124.68 |
| 30 | 7 | 306 | CLA | C1-C2-C3 | -3.21 | 120.94 | 126.20 |
| 39 | 7 | 302 | DD6 | C19-C18-C17 | 3.21 | 116.80 | 110.79 |
| 30 | B | 827 | CLA | C4C-C3C-C2C | -3.21 | 102.22 | 106.89 |
| 30 | 15 | 307 | CLA | CHC-C1C-C2C | -3.21 | 117.85 | 126.94 |
| 30 | 4 | 301 | CLA | C4C-C3C-C2C | -3.21 | 102.22 | 106.89 |
| 30 | B | 806 | CLA | C4-C3-C5 | 3.21 | 120.80 | 115.23 |
| 30 | B | 830 | CLA | C1D-CHD-C4C | -3.21 | 119.20 | 126.02 |
| 30 | 2 | 307 | CLA | CMA-C3A-C4A | -3.21 | 103.16 | 111.77 |
| 38 | 9 | 311 | KC1 | CBA-CAA-C2A | -3.21 | 112.58 | 125.45 |
| 30 | 11 | 309 | CLA | C3C-C4C-NC | 3.21 | 114.54 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 306 | CLA | CAA-C2A-C3A | -3.21 | 104.34 | 113.00 |
| 30 | 14 | 302 | CLA | C4-C3-C5 | 3.21 | 120.79 | 115.23 |
| 30 | 6 | 314 | CLA | CAC-C3C-C4C | 3.20 | 128.96 | 124.79 |
| 30 | 10 | 311 | CLA | C1C-C2C-C3C | -3.20 | 103.61 | 106.98 |
| 30 | 2 | 301 | CLA | C4A-NA-C1A | -3.20 | 105.22 | 106.68 |
| 37 | 1 | 309 | A86 | C8-C6-C5 | 3.20 | 124.05 | 119.01 |
| 30 | B | 824 | CLA | C4C-C3C-C2C | -3.20 | 102.23 | 106.89 |
| 30 | B | 831 | CLA | CAA-C2A-C3A | -3.20 | 104.35 | 113.00 |
| 30 | 2 | 303 | CLA | C1D-CHD-C4C | -3.20 | 119.22 | 126.02 |
| 30 | 3 | 301 | CLA | O2A-CGA-CBA | 3.20 | 121.59 | 111.83 |
| 30 | A | 837 | CLA | CAC-C3C-C4C | 3.20 | 128.95 | 124.79 |
| 30 | B | 807 | CLA | CMC-C2C-C1C | 3.20 | 130.03 | 125.03 |
| 38 | 5 | 306 | KC1 | CBA-CAA-C2A | -3.20 | 112.62 | 125.45 |
| 30 | A | 809 | CLA | CMC-C2C-C1C | 3.20 | 130.03 | 125.03 |
| 38 | 8 | 312 | KC1 | C4C-C3C-C2C | -3.20 | 102.24 | 106.89 |
| 38 | 2 | 306 | KC1 | C4B-C3B-C2B | -3.20 | 104.04 | 106.81 |
| 30 | 6 | 309 | CLA | CMB-C2B-C3B | 3.20 | 131.07 | 124.68 |
| 37 | 11 | 316 | A86 | C10-C9-C8 | -3.20 | 113.94 | 123.20 |
| 30 | A | 836 | CLA | CHC-C1C-C2C | -3.20 | 117.89 | 126.94 |
| 38 | 16 | 311 | KC1 | C2A-C1A-NA | 3.20 | 114.46 | 109.34 |
| 30 | A | 820 | CLA | CHC-C1C-C2C | -3.19 | 117.89 | 126.94 |
| 30 | 10 | 309 | CLA | CAC-C3C-C4C | 3.19 | 128.95 | 124.79 |
| 30 | 16 | 309 | CLA | CAA-C2A-C3A | -3.19 | 104.37 | 113.00 |
| 30 | 2 | 303 | CLA | O2A-CGA-CBA | 3.19 | 121.57 | 111.83 |
| 30 | 7 | 306 | CLA | CHD-C1D-ND | -3.19 | 120.31 | 124.80 |
| 37 | 15 | 315 | A86 | C7-C6-C8 | 3.19 | 122.97 | 118.09 |
| 30 | B | 803 | CLA | O2A-CGA-CBA | 3.19 | 121.57 | 111.83 |
| 39 | 10 | 313 | DD6 | C37-C36-C35 | -3.19 | 108.55 | 114.42 |
| 30 | A | 812 | CLA | C3B-C4B-NB | 3.19 | 113.34 | 109.21 |
| 30 | A | 844 | CLA | C3B-C4B-NB | 3.19 | 113.34 | 109.21 |
| 30 | F | 203 | CLA | C3B-C4B-NB | 3.19 | 113.34 | 109.21 |
| 30 | 13 | 301 | CLA | C3B-C4B-NB | 3.19 | 113.34 | 109.21 |
| 38 | 8 | 314 | KC1 | CAC-C3C-C4C | 3.19 | 128.94 | 124.79 |
| 39 | 15 | 319 | DD6 | C25-C24-C1 | -3.19 | 117.61 | 126.36 |
| 30 | B | 810 | CLA | C4C-C3C-C2C | -3.19 | 102.25 | 106.89 |
| 30 | B | 808 | CLA | CHC-C1C-C2C | -3.19 | 117.91 | 126.94 |
| 30 | 2 | 309 | CLA | CAC-C3C-C4C | 3.19 | 128.94 | 124.79 |
| 30 | 6 | 309 | CLA | CAA-C2A-C3A | -3.19 | 104.38 | 113.00 |
| 30 | 9 | 301 | CLA | CHC-C1C-C2C | -3.19 | 117.91 | 126.94 |
| 30 | 9 | 301 | CLA | C4A-NA-C1A | -3.19 | 105.22 | 106.68 |
| 30 | 14 | 302 | CLA | CAC-C3C-C4C | 3.19 | 128.94 | 124.79 |
| 30 | 4 | 309 | CLA | C3C-C4C-NC | 3.19 | 114.52 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 816 | CLA | C4C-C3C-C2C | -3.19 | 102.25 | 106.89 |
| 30 | 6 | 310 | CLA | CHC-C1C-C2C | -3.19 | 117.91 | 126.94 |
| 30 | 15 | 304 | CLA | C3B-C4B-NB | 3.19 | 113.33 | 109.21 |
| 30 | 16 | 307 | CLA | C3B-C4B-NB | 3.19 | 113.33 | 109.21 |
| 38 | 10 | 312 | KC1 | CHD-C4C-NC | 3.19 | 129.11 | 124.31 |
| 30 | A | 813 | CLA | O2A-CGA-CBA | 3.19 | 121.55 | 111.83 |
| 30 | 16 | 310 | CLA | C3B-C4B-NB | 3.19 | 113.33 | 109.21 |
| 30 | 5 | 303 | CLA | CAA-C2A-C3A | -3.19 | 104.39 | 113.00 |
| 38 | 12 | 309 | KC1 | C1A-NA-C4A | -3.18 | 105.23 | 106.68 |
| 30 | 15 | 302 | CLA | CMB-C2B-C3B | 3.18 | 131.05 | 124.68 |
| 30 | 10 | 307 | CLA | C4C-C3C-C2C | -3.18 | 102.26 | 106.89 |
| 30 | A | 831 | CLA | CHC-C1C-C2C | -3.18 | 117.92 | 126.94 |
| 37 | 10 | 315 | A86 | C12-C11-C13 | 3.18 | 121.16 | 116.00 |
| 30 | 6 | 304 | CLA | C1-C2-C3 | -3.18 | 120.98 | 126.20 |
| 38 | 8 | 314 | KC1 | CAA-CBA-CGA | -3.18 | 110.87 | 127.05 |
| 30 | 4 | 311 | CLA | C3C-C4C-NC | 3.18 | 114.51 | 110.43 |
| 30 | B | 815 | CLA | C4C-C3C-C2C | -3.18 | 102.26 | 106.89 |
| 30 | B | 834 | CLA | O2A-CGA-CBA | 3.18 | 121.53 | 111.83 |
| 30 | 4 | 309 | CLA | O2A-CGA-CBA | 3.18 | 121.53 | 111.83 |
| 30 | A | 811 | CLA | CHC-C1C-C2C | -3.18 | 117.93 | 126.94 |
| 37 | 7 | 316 | A86 | C12-C11-C13 | 3.18 | 121.16 | 116.00 |
| 30 | 16 | 306 | CLA | C1C-C2C-C3C | -3.18 | 103.64 | 106.98 |
| 39 | 8 | 316 | DD6 | C37-C36-C35 | -3.18 | 108.57 | 114.42 |
| 30 | 11 | 309 | CLA | CAC-C3C-C4C | 3.18 | 128.93 | 124.79 |
| 30 | 15 | 312 | CLA | CHC-C1C-C2C | -3.18 | 117.94 | 126.94 |
| 30 | B | 802 | CLA | C4-C3-C5 | 3.18 | 120.74 | 115.23 |
| 30 | 12 | 306 | CLA | CHC-C1C-C2C | -3.18 | 117.94 | 126.94 |
| 39 | 7 | 318 | DD6 | C19-C18-C17 | 3.18 | 116.73 | 110.79 |
| 30 | 4 | 305 | CLA | CAA-C2A-C3A | -3.18 | 104.41 | 113.00 |
| 30 | 14 | 303 | CLA | C3B-C4B-NB | 3.18 | 113.32 | 109.21 |
| 30 | A | 842 | CLA | C4C-C3C-C2C | -3.18 | 102.27 | 106.89 |
| 38 | 8 | 313 | KC1 | C4B-C3B-C2B | -3.17 | 104.06 | 106.81 |
| 30 | 1 | 301 | CLA | CHC-C1C-C2C | -3.17 | 117.95 | 126.94 |
| 37 | 7 | 319 | A86 | C-C1-C2 | -3.17 | 117.67 | 122.82 |
| 30 | 9 | 303 | CLA | CHD-C4C-NC | 3.17 | 129.15 | 124.23 |
| 37 | 4 | 317 | A86 | C21-C20-C15 | -3.17 | 113.11 | 123.35 |
| 30 | B | 839 | CLA | O2A-CGA-CBA | 3.17 | 121.51 | 111.83 |
| 37 | 14 | 319 | A86 | C12-C11-C10 | -3.17 | 115.96 | 123.67 |
| 30 | 7 | 309 | CLA | CAC-C3C-C4C | 3.17 | 128.92 | 124.79 |
| 39 | 9 | 314 | DD6 | C35-C36-C31 | -3.17 | 113.90 | 120.50 |
| 30 | 14 | 313 | CLA | CHD-C4C-NC | 3.17 | 129.15 | 124.23 |
| 30 | 11 | 306 | CLA | C1C-C2C-C3C | -3.17 | 103.64 | 106.98 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 7 | 304 | CLA | C3C-C4C-NC | 3.17 | 114.49 | 110.43 |
| 30 | 11 | 309 | CLA | CHC-C1C-C2C | -3.17 | 117.96 | 126.94 |
| 30 | 14 | 313 | CLA | C3B-C4B-NB | 3.17 | 113.31 | 109.21 |
| 30 | 11 | 310 | CLA | C3B-C4B-NB | 3.17 | 113.31 | 109.21 |
| 39 | 16 | 313 | DD6 | C22-C16-C15 | 3.17 | 118.60 | 110.05 |
| 30 | B | 851 | CLA | O2A-CGA-CBA | 3.17 | 121.50 | 111.83 |
| 37 | 4 | 315 | A86 | C3-C2-C1 | -3.17 | 122.83 | 127.28 |
| 30 | 16 | 305 | CLA | CHC-C1C-C2C | -3.17 | 117.97 | 126.94 |
| 34 | 5 | 317 | LHG | O8-C23-C24 | 3.17 | 120.76 | 111.15 |
| 30 | A | 803 | CLA | C4C-C3C-C2C | -3.17 | 102.28 | 106.89 |
| 30 | F | 201 | CLA | CHD-C1D-ND | -3.17 | 120.34 | 124.80 |
| 30 | 11 | 306 | CLA | C1-C2-C3 | -3.17 | 121.01 | 126.20 |
| 37 | 7 | 316 | A86 | C9-C8-C6 | -3.17 | 117.68 | 126.36 |
| 30 | 14 | 310 | CLA | C1-C2-C3 | -3.17 | 121.64 | 126.76 |
| 39 | 3 | 312 | DD6 | C37-C36-C35 | -3.17 | 108.60 | 114.42 |
| 30 | 15 | 313 | CLA | C3B-C4B-NB | 3.17 | 113.30 | 109.21 |
| 30 | A | 810 | CLA | CAC-C3C-C4C | 3.17 | 128.91 | 124.79 |
| 30 | 15 | 314 | CLA | CAC-C3C-C4C | 3.17 | 128.91 | 124.79 |
| 37 | 14 | 316 | A86 | C22-C16-C17 | -3.17 | 103.41 | 108.97 |
| 37 | 10 | 316 | A86 | C-C1-C24 | 3.17 | 122.92 | 118.09 |
| 38 | 9 | 312 | KC1 | CAA-CBA-CGA | -3.16 | 110.96 | 127.05 |
| 30 | B | 825 | CLA | O2A-CGA-CBA | 3.16 | 121.48 | 111.83 |
| 30 | 12 | 307 | CLA | C4C-C3C-C2C | -3.16 | 102.29 | 106.89 |
| 37 | 14 | 315 | A86 | C24-C1-C2 | -3.16 | 114.03 | 119.01 |
| 30 | 16 | 302 | CLA | C1-C2-C3 | -3.16 | 121.02 | 126.20 |
| 30 | B | 827 | CLA | CHD-C1D-ND | -3.16 | 120.35 | 124.80 |
| 39 | 2 | 317 | DD6 | C23-C16-C15 | 3.16 | 118.58 | 110.05 |
| 38 | 9 | 304 | KC1 | CAA-C2A-C1A | -3.16 | 110.79 | 124.64 |
| 30 | A | 810 | CLA | CHC-C1C-C2C | -3.16 | 118.00 | 126.94 |
| 30 | A | 838 | CLA | O2A-CGA-CBA | 3.16 | 121.46 | 111.83 |
| 30 | 2 | 303 | CLA | C3B-C4B-NB | 3.16 | 113.29 | 109.21 |
| 37 | 9 | 313 | A86 | C9-C8-C6 | -3.16 | 117.71 | 126.36 |
| 30 | B | 825 | CLA | CMB-C2B-C3B | 3.16 | 130.99 | 124.68 |
| 38 | 8 | 310 | KC1 | C2C-C1C-NC | 3.16 | 114.36 | 110.45 |
| 30 | A | 804 | CLA | C1C-C2C-C3C | -3.16 | 103.66 | 106.98 |
| 30 | B | 830 | CLA | C1C-C2C-C3C | -3.16 | 103.66 | 106.98 |
| 30 | 16 | 302 | CLA | CAA-C2A-C3A | -3.16 | 104.47 | 113.00 |
| 30 | A | 811 | CLA | C1-C2-C3 | -3.15 | 121.03 | 126.20 |
| 30 | A | 807 | CLA | CHD-C4C-NC | 3.15 | 129.12 | 124.23 |
| 30 | A | 820 | CLA | CMB-C2B-C3B | 3.15 | 130.99 | 124.68 |
| 38 | 13 | 310 | KC1 | C4B-C3B-C2B | -3.15 | 104.08 | 106.81 |
| 30 | 11 | 310 | CLA | C3C-C4C-NC | 3.15 | 114.47 | 110.43 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 302 | CLA | C3B-C4B-NB | 3.15 | 113.29 | 109.21 |
| 30 | A | 831 | CLA | C4-C3-C5 | 3.15 | 120.70 | 115.23 |
| 30 | B | 802 | CLA | C3B-C4B-NB | 3.15 | 113.28 | 109.21 |
| 30 | A | 826 | CLA | CHC-C1C-C2C | -3.15 | 118.01 | 126.94 |
| 30 | 3 | 310 | CLA | CHC-C1C-C2C | -3.15 | 118.01 | 126.94 |
| 30 | 7 | 304 | CLA | CHC-C1C-C2C | -3.15 | 118.01 | 126.94 |
| 37 | 4 | 314 | A86 | C25-C24-C1 | -3.15 | 117.72 | 126.36 |
| 38 | 4 | 307 | KC1 | CAC-C3C-C4C | 3.15 | 128.89 | 124.79 |
| 30 | A | 809 | CLA | O2A-CGA-CBA | 3.15 | 121.44 | 111.83 |
| 30 | B | 839 | CLA | CMC-C2C-C1C | 3.15 | 129.96 | 125.03 |
| 30 | A | 838 | CLA | O2D-CGD-O1D | -3.15 | 117.72 | 123.85 |
| 39 | 16 | 313 | DD6 | C35-C36-C31 | -3.15 | 113.95 | 120.50 |
| 37 | 14 | 320 | A86 | C4-C5-C6 | 3.15 | 131.69 | 127.28 |
| 30 | A | 815 | CLA | CAC-C3C-C4C | 3.15 | 128.88 | 124.79 |
| 30 | 14 | 303 | CLA | CAC-C3C-C4C | 3.15 | 128.88 | 124.79 |
| 30 | A | 808 | CLA | C3B-C4B-NB | 3.15 | 113.28 | 109.21 |
| 37 | 16 | 312 | A86 | C24-C1-C2 | 3.15 | 123.96 | 119.01 |
| 30 | 9 | 302 | CLA | O2A-CGA-CBA | 3.15 | 121.43 | 111.83 |
| 38 | 5 | 310 | KC1 | C4C-C3C-C2C | -3.15 | 102.31 | 106.89 |
| 30 | B | 812 | CLA | CHC-C1C-C2C | -3.15 | 118.03 | 126.94 |
| 33 | F | 204 | BCR | C2-C1-C6 | 3.14 | 115.00 | 110.44 |
| 30 | B | 816 | CLA | CHD-C4C-NC | 3.14 | 129.10 | 124.23 |
| 30 | A | 825 | CLA | CHC-C1C-C2C | -3.14 | 118.04 | 126.94 |
| 38 | 4 | 307 | KC1 | O2D-CGD-O1D | -3.14 | 117.73 | 123.85 |
| 30 | A | 843 | CLA | CHC-C1C-C2C | -3.14 | 118.04 | 126.94 |
| 37 | 14 | 320 | A86 | C24-C1-C2 | 3.14 | 123.95 | 119.01 |
| 30 | 14 | 304 | CLA | C3B-C4B-NB | 3.14 | 113.27 | 109.21 |
| 30 | B | 821 | CLA | CMB-C2B-C3B | 3.14 | 130.96 | 124.68 |
| 38 | 5 | 306 | KC1 | CAA-C2A-C1A | -3.14 | 110.88 | 124.64 |
| 30 | A | 819 | CLA | CMB-C2B-C3B | 3.14 | 130.96 | 124.68 |
| 30 | 11 | 310 | CLA | CAC-C3C-C4C | 3.14 | 128.87 | 124.79 |
| 30 | A | 826 | CLA | C4A-NA-C1A | -3.14 | 105.25 | 106.68 |
| 30 | 5 | 307 | CLA | C4A-NA-C1A | -3.14 | 105.25 | 106.68 |
| 30 | 10 | 308 | CLA | O2A-CGA-CBA | 3.14 | 121.41 | 111.83 |
| 30 | 10 | 311 | CLA | C4C-C3C-C2C | -3.14 | 102.32 | 106.89 |
| 30 | B | 801 | CLA | CHD-C4C-NC | 3.14 | 129.10 | 124.23 |
| 30 | 4 | 302 | CLA | CHD-C4C-NC | 3.14 | 129.10 | 124.23 |
| 30 | 8 | 305 | CLA | CHD-C4C-NC | 3.14 | 129.10 | 124.23 |
| 30 | B | 801 | CLA | C4A-NA-C1A | -3.14 | 105.25 | 106.68 |
| 39 | 9 | 314 | DD6 | C25-C24-C1 | -3.14 | 117.76 | 126.36 |
| 30 | 7 | 306 | CLA | CHC-C1C-C2C | -3.14 | 118.06 | 126.94 |
| 30 | 12 | 321 | CLA | CHC-C1C-C2C | -3.14 | 118.06 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 841 | CLA | O2A-CGA-CBA | 3.14 | 121.40 | 111.83 |
| 30 | 13 | 303 | CLA | C3C-C4C-NC | 3.14 | 114.45 | 110.43 |
| 30 | 5 | 308 | CLA | CAC-C3C-C4C | 3.14 | 128.87 | 124.79 |
| 30 | A | 828 | CLA | C1-C2-C3 | -3.13 | 121.06 | 126.20 |
| 30 | B | 832 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |
| 30 | 14 | 305 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |
| 37 | 14 | 319 | A86 | C3-C4-C5 | -3.13 | 117.11 | 123.52 |
| 30 | 7 | 303 | CLA | CMC-C2C-C1C | 3.13 | 129.93 | 125.03 |
| 30 | B | 805 | CLA | CHC-C1C-C2C | -3.13 | 118.07 | 126.94 |
| 30 | 15 | 314 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |
| 30 | 16 | 303 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |
| 30 | 2 | 301 | CLA | C3C-C4C-NC | 3.13 | 114.44 | 110.43 |
| 30 | 12 | 304 | CLA | C3C-C4C-NC | 3.13 | 114.44 | 110.43 |
| 30 | B | 831 | CLA | C4-C3-C5 | 3.13 | 120.66 | 115.23 |
| 30 | A | 833 | CLA | C3B-C4B-NB | 3.13 | 113.26 | 109.21 |
| 30 | A | 825 | CLA | C3C-C4C-NC | 3.13 | 114.44 | 110.43 |
| 30 | 2 | 310 | CLA | CAC-C3C-C4C | 3.13 | 128.86 | 124.79 |
| 30 | B | 801 | CLA | CMB-C2B-C1B | 3.13 | 133.04 | 128.46 |
| 30 | 15 | 311 | CLA | CHC-C1C-C2C | -3.13 | 118.08 | 126.94 |
| 30 | 6 | 306 | CLA | C3B-C4B-NB | 3.13 | 113.25 | 109.21 |
| 30 | 12 | 312 | CLA | C1-C2-C3 | -3.13 | 121.07 | 126.20 |
| 30 | B | 808 | CLA | O2A-CGA-O1A | -3.13 | 115.80 | 123.63 |
| 30 | 2 | 307 | CLA | C3B-C4B-NB | 3.13 | 113.25 | 109.21 |
| 38 | 8 | 310 | KC1 | CMB-C2B-C1B | 3.13 | 130.24 | 124.73 |
| 30 | B | 826 | CLA | C1-C2-C3 | -3.13 | 121.07 | 126.20 |
| 30 | 10 | 303 | CLA | C3B-C4B-NB | 3.13 | 113.25 | 109.21 |
| 30 | 10 | 311 | CLA | CAA-C2A-C3A | -3.13 | 104.55 | 113.00 |
| 37 | 8 | 315 | A86 | C33-C32-C31 | 3.13 | 112.25 | 109.21 |
| 30 | 12 | 321 | CLA | C3C-C4C-NC | 3.13 | 114.44 | 110.43 |
| 30 | B | 818 | CLA | CHD-C4C-NC | 3.13 | 129.08 | 124.23 |
| 30 | 1 | 304 | CLA | CHD-C4C-NC | 3.13 | 129.08 | 124.23 |
| 30 | 2 | 308 | CLA | CAC-C3C-C4C | 3.13 | 128.86 | 124.79 |
| 30 | B | 821 | CLA | CHC-C1C-C2C | -3.12 | 118.09 | 126.94 |
| 30 | 2 | 307 | CLA | CHC-C1C-C2C | -3.12 | 118.09 | 126.94 |
| 30 | 16 | 305 | CLA | O2D-CGD-O1D | -3.12 | 117.77 | 123.85 |
| 30 | 5 | 302 | CLA | CHD-C4C-NC | 3.12 | 129.07 | 124.23 |
| 30 | 14 | 305 | CLA | CHC-C1C-C2C | -3.12 | 118.09 | 126.94 |
| 30 | 2 | 308 | CLA | CHD-C4C-NC | 3.12 | 129.07 | 124.23 |
| 38 | 2 | 314 | KC1 | CED-O2D-CGD | 3.12 | 123.00 | 115.92 |
| 30 | A | 830 | CLA | O2A-CGA-CBA | 3.12 | 121.36 | 111.83 |
| 30 | A | 836 | CLA | C4-C3-C5 | 3.12 | 120.65 | 115.23 |
| 30 | 5 | 303 | CLA | C3B-C4B-NB | 3.12 | 113.25 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 4 | 308 | KC1 | CAC-C3C-C4C | 3.12 | 128.85 | 124.79 |
| 30 | A | 813 | CLA | C4C-C3C-C2C | -3.12 | 102.35 | 106.89 |
| 30 | B | 819 | CLA | CHC-C1C-C2C | -3.12 | 118.10 | 126.94 |
| 38 | 2 | 306 | KC1 | CAA-C2A-C1A | -3.12 | 110.97 | 124.64 |
| 30 | A | 802 | CLA | CHC-C1C-C2C | -3.12 | 118.11 | 126.94 |
| 30 | 13 | 309 | CLA | CHC-C1C-C2C | -3.12 | 118.11 | 126.94 |
| 30 | 15 | 313 | CLA | CHC-C1C-C2C | -3.12 | 118.11 | 126.94 |
| 30 | 2 | 311 | CLA | CAC-C3C-C4C | 3.12 | 128.85 | 124.79 |
| 30 | A | 837 | CLA | CHC-C1C-C2C | -3.12 | 118.11 | 126.94 |
| 30 | 8 | 301 | CLA | C3B-C4B-NB | 3.12 | 113.24 | 109.21 |
| 30 | B | 818 | CLA | C3C-C4C-NC | 3.12 | 114.42 | 110.43 |
| 30 | 13 | 303 | CLA | CAA-C2A-C3A | -3.12 | 104.57 | 113.00 |
| 30 | 14 | 305 | CLA | CHB-C4A-NA | 3.12 | 128.90 | 124.40 |
| 30 | 8 | 302 | CLA | CAA-C2A-C3A | -3.12 | 104.58 | 113.00 |
| 30 | 2 | 301 | CLA | CAA-C2A-C3A | -3.12 | 104.58 | 113.00 |
| 38 | 6 | 313 | KC1 | CBA-CAA-C2A | -3.12 | 112.95 | 125.45 |
| 30 | 11 | 310 | CLA | CHC-C1C-C2C | -3.11 | 118.12 | 126.94 |
| 30 | 16 | 306 | CLA | C3B-C4B-NB | 3.11 | 113.24 | 109.21 |
| 30 | 9 | 309 | CLA | CAA-C2A-C3A | -3.11 | 104.58 | 113.00 |
| 33 | B | 841 | BCR | C20-C21-C22 | -3.11 | 122.91 | 127.28 |
| 38 | 8 | 307 | KC1 | CHD-C4C-NC | 3.11 | 129.00 | 124.31 |
| 30 | 7 | 303 | CLA | C4C-C3C-C2C | -3.11 | 102.36 | 106.89 |
| 30 | 6 | 316 | CLA | C4C-C3C-C2C | -3.11 | 102.36 | 106.89 |
| 39 | 10 | 313 | DD6 | O1-C15-C14 | -3.11 | 107.97 | 116.88 |
| 30 | A | 829 | CLA | CAC-C3C-C4C | 3.11 | 128.84 | 124.79 |
| 30 | A | 829 | CLA | C4C-C3C-C2C | -3.11 | 102.36 | 106.89 |
| 30 | B | 814 | CLA | CMB-C2B-C3B | 3.11 | 130.90 | 124.68 |
| 38 | 3 | 304 | KC1 | CAA-CBA-CGA | -3.11 | 111.24 | 127.05 |
| 30 | 3 | 303 | CLA | CHC-C1C-C2C | -3.11 | 118.13 | 126.94 |
| 37 | 9 | 315 | A86 | C35-C34-C33 | 3.11 | 115.47 | 109.89 |
| 30 | B | 803 | CLA | CHC-C1C-C2C | -3.11 | 118.14 | 126.94 |
| 30 | A | 834 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 30 | 3 | 302 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 39 | 11 | 313 | DD6 | C15-C14-C13 | -3.11 | 119.42 | 125.99 |
| 30 | B | 822 | CLA | C3C-C4C-NC | 3.11 | 114.41 | 110.43 |
| 37 | 1 | 309 | A86 | C12-C11-C10 | -3.11 | 116.12 | 123.67 |
| 38 | 5 | 306 | KC1 | CAC-C3C-C4C | 3.11 | 128.83 | 124.79 |
| 30 | 2 | 309 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 30 | A | 837 | CLA | C3B-C4B-NB | 3.11 | 113.23 | 109.21 |
| 30 | A | 832 | CLA | C4C-C3C-C2C | -3.11 | 102.37 | 106.89 |
| 30 | B | 833 | CLA | C4-C3-C5 | 3.11 | 120.62 | 115.23 |
| 30 | A | 815 | CLA | C4C-C3C-C2C | -3.11 | 102.37 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 39 | 6 | 319 | DD6 | C19-C18-C17 | 3.10 | 116.60 | 110.79 |
| 37 | 2 | 319 | A86 | C40-C32-C31 | -3.10 | 107.69 | 110.47 |
| 30 | 8 | 304 | CLA | C4-C3-C5 | 3.10 | 120.62 | 115.23 |
| 37 | 4 | 312 | A86 | C12-C11-C13 | 3.10 | 121.03 | 116.00 |
| 30 | B | 814 | CLA | CHD-C1D-ND | -3.10 | 120.44 | 124.80 |
| 30 | B | 851 | CLA | C1C-C2C-C3C | -3.10 | 103.72 | 106.98 |
| 39 | 8 | 316 | DD6 | C25-C24-C1 | -3.10 | 117.86 | 126.36 |
| 30 | 7 | 306 | CLA | C4C-C3C-C2C | -3.10 | 102.38 | 106.89 |
| 30 | B | 828 | CLA | CHC-C1C-C2C | -3.10 | 118.16 | 126.94 |
| 30 | 4 | 303 | CLA | C3B-C4B-NB | 3.10 | 113.22 | 109.21 |
| 33 | J | 103 | BCR | C27-C26-C25 | 3.10 | 126.89 | 122.70 |
| 37 | 7 | 316 | A86 | C7-C6-C8 | 3.10 | 122.82 | 118.09 |
| 34 | 2 | 320 | LHG | O8-C23-C24 | 3.10 | 120.56 | 111.15 |
| 30 | B | 816 | CLA | CAC-C3C-C4C | 3.10 | 128.82 | 124.79 |
| 37 | 7 | 315 | A86 | C21-C20-C15 | -3.10 | 113.35 | 123.35 |
| 39 | 7 | 318 | DD6 | C37-C36-C35 | -3.10 | 108.73 | 114.42 |
| 37 | 11 | 315 | A86 | C26-C25-C24 | -3.10 | 114.23 | 123.20 |
| 37 | 7 | 319 | A86 | C8-C6-C5 | 3.10 | 123.88 | 119.01 |
| 30 | 6 | 314 | CLA | C3C-C4C-NC | 3.10 | 114.40 | 110.43 |
| 30 | 1 | 305 | CLA | CAC-C3C-C4C | 3.10 | 128.82 | 124.79 |
| 38 | 8 | 306 | KC1 | CBC-CAC-C3C | -3.09 | 104.03 | 112.42 |
| 30 | 15 | 303 | CLA | C4C-C3C-C2C | -3.09 | 102.39 | 106.89 |
| 30 | 11 | 308 | CLA | CHC-C1C-C2C | -3.09 | 118.18 | 126.94 |
| 38 | 1 | 306 | KC1 | CAB-C3B-C4B | 3.09 | 132.21 | 124.82 |
| 30 | B | 823 | CLA | CHC-C1C-C2C | -3.09 | 118.18 | 126.94 |
| 30 | B | 804 | CLA | CMC-C2C-C1C | 3.09 | 129.87 | 125.03 |
| 39 | 7 | 302 | DD6 | C37-C36-C35 | -3.09 | 108.73 | 114.42 |
| 37 | 5 | 316 | A86 | C21-C20-C15 | -3.09 | 113.36 | 123.35 |
| 30 | 5 | 311 | CLA | CAA-C2A-C3A | -3.09 | 104.64 | 113.00 |
| 30 | 14 | 303 | CLA | CHC-C1C-C2C | -3.09 | 118.18 | 126.94 |
| 30 | B | 822 | CLA | CMA-C3A-C4A | -3.09 | 103.46 | 111.77 |
| 30 | 8 | 302 | CLA | CBC-CAC-C3C | -3.09 | 104.04 | 112.42 |
| 30 | B | 838 | CLA | O2A-CGA-CBA | 3.09 | 121.26 | 111.83 |
| 30 | A | 826 | CLA | C4C-C3C-C2C | -3.09 | 102.39 | 106.89 |
| 38 | 9 | 312 | KC1 | CAC-C3C-C4C | 3.09 | 128.81 | 124.79 |
| 30 | A | 829 | CLA | C1-C2-C3 | -3.09 | 121.13 | 126.20 |
| 30 | 9 | 302 | CLA | CHC-C1C-C2C | -3.09 | 118.19 | 126.94 |
| 30 | 10 | 303 | CLA | CHC-C1C-C2C | -3.09 | 118.19 | 126.94 |
| 30 | B | 804 | CLA | O2A-CGA-CBA | 3.09 | 121.26 | 111.83 |
| 30 | B | 828 | CLA | C4C-C3C-C2C | -3.09 | 102.39 | 106.89 |
| 38 | 3 | 311 | KC1 | C4C-C3C-C2C | -3.09 | 102.39 | 106.89 |
| 38 | 8 | 313 | KC1 | CBA-CAA-C2A | -3.09 | 113.06 | 125.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 307 | CLA | CHC-C1C-C2C | -3.09 | 118.19 | 126.94 |
| 30 | 1 | 302 | CLA | CHC-C1C-C2C | -3.09 | 118.19 | 126.94 |
| 30 | A | 822 | CLA | CHC-C1C-C2C | -3.09 | 118.20 | 126.94 |
| 30 | 2u | 202 | CLA | C3B-C4B-NB | 3.09 | 113.20 | 109.21 |
| 30 | 7 | 311 | CLA | C3B-C4B-NB | 3.09 | 113.20 | 109.21 |
| 30 | 12 | 312 | CLA | CHC-C1C-C2C | -3.09 | 118.20 | 126.94 |
| 30 | 14 | 304 | CLA | CHC-C1C-C2C | -3.09 | 118.20 | 126.94 |
| 30 | 12 | 307 | CLA | CHD-C4C-NC | 3.09 | 129.02 | 124.23 |
| 30 | 9 | 302 | CLA | O2D-CGD-O1D | -3.09 | 117.84 | 123.85 |
| 30 | A | 842 | CLA | O2A-CGA-CBA | 3.09 | 121.24 | 111.83 |
| 30 | 8 | 301 | CLA | C4C-C3C-C2C | -3.08 | 102.40 | 106.89 |
| 30 | 2 | 310 | CLA | CHC-C1C-C2C | -3.08 | 118.20 | 126.94 |
| 30 | 3 | 307 | CLA | CHC-C1C-C2C | -3.08 | 118.20 | 126.94 |
| 30 | B | 802 | CLA | CMB-C2B-C3B | 3.08 | 130.85 | 124.68 |
| 30 | B | 818 | CLA | O2D-CGD-O1D | -3.08 | 117.84 | 123.85 |
| 30 | 13 | 307 | CLA | CHC-C1C-C2C | -3.08 | 118.20 | 126.94 |
| 38 | 11 | 311 | KC1 | CAC-C3C-C4C | 3.08 | 128.80 | 124.79 |
| 38 | 8 | 314 | KC1 | C4C-C3C-C2C | -3.08 | 102.40 | 106.89 |
| 30 | 9 | 307 | CLA | C3B-C4B-NB | 3.08 | 113.19 | 109.21 |
| 33 | A | 849 | BCR | C27-C26-C25 | 3.08 | 126.87 | 122.70 |
| 30 | 11 | 306 | CLA | CAC-C3C-C4C | 3.08 | 128.80 | 124.79 |
| 30 | B | 833 | CLA | CHC-C1C-C2C | -3.08 | 118.22 | 126.94 |
| 38 | 9 | 310 | KC1 | CAA-CBA-CGA | -3.08 | 111.39 | 127.05 |
| 30 | 13 | 303 | CLA | CHC-C1C-C2C | -3.08 | 118.22 | 126.94 |
| 38 | 16 | 304 | KC1 | C4C-C3C-C2C | -3.08 | 102.41 | 106.89 |
| 30 | 7 | 303 | CLA | CAA-C2A-C3A | -3.08 | 104.68 | 113.00 |
| 30 | B | 831 | CLA | O2D-CGD-O1D | -3.08 | 117.86 | 123.85 |
| 30 | 16 | 309 | CLA | O2D-CGD-O1D | -3.08 | 117.86 | 123.85 |
| 30 | A | 804 | CLA | C3B-C4B-NB | 3.08 | 113.19 | 109.21 |
| 39 | 3 | 313 | DD6 | C25-C24-C1 | -3.08 | 117.93 | 126.36 |
| 30 | 12 | 302 | CLA | CAA-C2A-C3A | -3.07 | 104.69 | 113.00 |
| 37 | 4 | 317 | A86 | C25-C24-C1 | -3.07 | 117.93 | 126.36 |
| 38 | 8 | 311 | KC1 | CAC-C3C-C4C | 3.07 | 128.79 | 124.79 |
| 37 | 9 | 313 | A86 | C36-C31-C32 | -3.07 | 116.65 | 119.70 |
| 39 | 7 | 302 | DD6 | C14-C13-C11 | 3.07 | 130.30 | 125.53 |
| 30 | 1 | 302 | CLA | O2D-CGD-O1D | -3.07 | 117.87 | 123.85 |
| 30 | 6 | 309 | CLA | CAC-C3C-C4C | 3.07 | 128.79 | 124.79 |
| 30 | B | 832 | CLA | CHC-C1C-C2C | -3.07 | 118.24 | 126.94 |
| 39 | 5 | 314 | DD6 | C33-C32-C31 | 3.07 | 115.54 | 109.49 |
| 37 | 12 | 316 | A86 | C9-C10-C11 | -3.07 | 117.96 | 126.64 |
| 30 | 15 | 310 | CLA | CAC-C3C-C4C | 3.07 | 128.79 | 124.79 |
| 38 | 2 | 312 | KC1 | C4C-C3C-C2C | -3.07 | 102.42 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 301 | CLA | CHD-C4C-NC | 3.07 | 128.99 | 124.23 |
| 30 | 12 | 307 | CLA | CMC-C2C-C1C | 3.07 | 129.83 | 125.03 |
| 30 | B | 819 | CLA | C3D-C2D-C1D | -3.07 | 101.64 | 105.83 |
| 38 | 14 | 311 | KC1 | CMC-C2C-C1C | 3.07 | 129.83 | 125.03 |
| 30 | 11 | 309 | CLA | C1-C2-C3 | -3.07 | 121.17 | 126.20 |
| 30 | 15 | 304 | CLA | CHC-C1C-C2C | -3.07 | 118.25 | 126.94 |
| 30 | 3 | 302 | CLA | CHD-C4C-NC | 3.07 | 128.99 | 124.23 |
| 38 | 8 | 311 | KC1 | CBA-CAA-C2A | -3.07 | 113.14 | 125.45 |
| 38 | 16 | 311 | KC1 | C1A-NA-C4A | -3.07 | 105.28 | 106.68 |
| 30 | 16 | 307 | CLA | CHC-C1C-C2C | -3.07 | 118.25 | 126.94 |
| 30 | 9 | 308 | CLA | CMC-C2C-C1C | 3.07 | 129.83 | 125.03 |
| 30 | 15 | 308 | CLA | C1C-C2C-C3C | -3.07 | 103.75 | 106.98 |
| 30 | 15 | 310 | CLA | CHC-C1C-C2C | -3.07 | 118.25 | 126.94 |
| 30 | 7 | 307 | CLA | C1C-C2C-C3C | -3.07 | 103.75 | 106.98 |
| 30 | 5 | 309 | CLA | CHC-C1C-C2C | -3.07 | 118.26 | 126.94 |
| 30 | 8 | 304 | CLA | C3B-C4B-NB | 3.07 | 113.17 | 109.21 |
| 30 | 7 | 304 | CLA | C4-C3-C5 | 3.07 | 120.55 | 115.23 |
| 30 | 10 | 303 | CLA | CHD-C4C-NC | 3.07 | 128.99 | 124.23 |
| 30 | 16 | 306 | CLA | C1-C2-C3 | -3.07 | 121.17 | 126.20 |
| 37 | 15 | 322 | A86 | C3-C4-C5 | 3.07 | 129.79 | 123.52 |
| 38 | 13 | 305 | KC1 | C4C-C3C-C2C | -3.07 | 102.43 | 106.89 |
| 30 | 10 | 304 | CLA | CHC-C1C-C2C | -3.06 | 118.26 | 126.94 |
| 30 | B | 814 | CLA | CHC-C1C-C2C | -3.06 | 118.26 | 126.94 |
| 30 | 12 | 303 | CLA | C4C-C3C-C2C | -3.06 | 102.43 | 106.89 |
| 30 | B | 804 | CLA | CAC-C3C-C4C | 3.06 | 128.78 | 124.79 |
| 30 | 7 | 305 | CLA | CAA-C2A-C3A | -3.06 | 104.72 | 113.00 |
| 30 | A | 824 | CLA | C3B-C4B-NB | 3.06 | 113.17 | 109.21 |
| 37 | 2u | 203 | A86 | C12-C11-C10 | -3.06 | 116.23 | 123.67 |
| 38 | 14 | 311 | KC1 | CHD-C4C-NC | 3.06 | 128.92 | 124.31 |
| 35 | 9 | 317 | LMT | C2'-C3'-C4' | 3.06 | 116.63 | 109.68 |
| 30 | 7 | 307 | CLA | C4C-C3C-C2C | -3.06 | 102.44 | 106.89 |
| 30 | 4 | 302 | CLA | CAC-C3C-C4C | 3.06 | 128.77 | 124.79 |
| 30 | 16 | 303 | CLA | CHD-C4C-NC | 3.06 | 128.97 | 124.23 |
| 30 | 4 | 304 | CLA | C3B-C4B-NB | 3.06 | 113.17 | 109.21 |
| 30 | 12 | 303 | CLA | CHC-C1C-C2C | -3.06 | 118.28 | 126.94 |
| 37 | 4 | 314 | A86 | C4-C3-C2 | -3.06 | 117.26 | 123.52 |
| 38 | 8 | 307 | KC1 | C4B-C3B-C2B | -3.06 | 104.16 | 106.81 |
| 30 | 10 | 304 | CLA | C4C-C3C-C2C | -3.06 | 102.44 | 106.89 |
| 30 | 14 | 302 | CLA | C3C-C4C-NC | 3.06 | 114.35 | 110.43 |
| 30 | 6 | 304 | CLA | C3C-C4C-NC | 3.06 | 114.35 | 110.43 |
| 38 | 2 | 306 | KC1 | CAC-C3C-C4C | 3.06 | 128.77 | 124.79 |
| 37 | 11 | 301 | A86 | C12-C11-C10 | -3.06 | 116.24 | 123.67 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 817 | CLA | C3C-C4C-NC | 3.06 | 114.34 | 110.43 |
| 30 | A | 841 | CLA | C4C-C3C-C2C | -3.05 | 102.45 | 106.89 |
| 30 | 9 | 307 | CLA | C4C-C3C-C2C | -3.05 | 102.45 | 106.89 |
| 30 | 15 | 309 | CLA | CHC-C1C-C2C | -3.05 | 118.29 | 126.94 |
| 30 | 6 | 315 | CLA | CHC-C1C-C2C | -3.05 | 118.29 | 126.94 |
| 38 | 16 | 304 | KC1 | CAA-CBA-CGA | -3.05 | 111.52 | 127.05 |
| 30 | A | 840 | CLA | C3B-C4B-NB | 3.05 | 113.16 | 109.21 |
| 30 | 2 | 311 | CLA | C3B-C4B-NB | 3.05 | 113.16 | 109.21 |
| 30 | 2 | 303 | CLA | CHC-C1C-C2C | -3.05 | 118.30 | 126.94 |
| 30 | 1 | 302 | CLA | CHD-C4C-NC | 3.05 | 128.96 | 124.23 |
| 38 | 5 | 305 | KC1 | CMB-C2B-C1B | 3.05 | 130.10 | 124.73 |
| 30 | A | 807 | CLA | C4C-C3C-C2C | -3.05 | 102.45 | 106.89 |
| 30 | A | 824 | CLA | C4C-C3C-C2C | -3.05 | 102.45 | 106.89 |
| 30 | B | 817 | CLA | CHD-C4C-NC | 3.05 | 128.96 | 124.23 |
| 30 | 10 | 308 | CLA | C3C-C4C-NC | 3.05 | 114.34 | 110.43 |
| 37 | 4 | 317 | A86 | C4-C5-C6 | -3.05 | 123.00 | 127.28 |
| 30 | 6 | 304 | CLA | CHD-C4C-NC | 3.05 | 128.96 | 124.23 |
| 30 | B | 827 | CLA | C1-C2-C3 | -3.05 | 121.20 | 126.20 |
| 30 | B | 832 | CLA | CMA-C3A-C2A | -3.05 | 102.19 | 113.98 |
| 30 | 2u | 202 | CLA | CHD-C4C-NC | 3.05 | 128.96 | 124.23 |
| 38 | 5 | 310 | KC1 | CAA-CBA-CGA | -3.05 | 111.54 | 127.05 |
| 30 | 9 | 301 | CLA | C1C-C2C-C3C | -3.05 | 103.77 | 106.98 |
| 30 | A | 817 | CLA | CHC-C1C-C2C | -3.05 | 118.31 | 126.94 |
| 30 | 2 | 313 | CLA | C3B-C4B-NB | 3.05 | 113.15 | 109.21 |
| 37 | 3 | 314 | A86 | C36-C31-C32 | -3.05 | 116.67 | 119.70 |
| 30 | B | 801 | CLA | CAC-C3C-C4C | 3.05 | 128.76 | 124.79 |
| 30 | 8 | 301 | CLA | CAC-C3C-C4C | 3.05 | 128.76 | 124.79 |
| 38 | 1 | 306 | KC1 | CAA-C2A-C1A | -3.05 | 111.28 | 124.64 |
| 38 | 12 | 309 | KC1 | CHD-C4C-NC | 3.05 | 128.90 | 124.31 |
| 30 | 9 | 307 | CLA | CHD-C4C-NC | 3.05 | 128.96 | 124.23 |
| 30 | 13 | 307 | CLA | C3B-C4B-NB | 3.05 | 113.15 | 109.21 |
| 30 | 14 | 304 | CLA | CAC-C3C-C4C | 3.05 | 128.75 | 124.79 |
| 30 | 16 | 309 | CLA | CHC-C1C-C2C | -3.05 | 118.31 | 126.94 |
| 30 | 16 | 301 | CLA | C3B-C4B-NB | 3.05 | 113.15 | 109.21 |
| 30 | 3 | 305 | CLA | CHC-C1C-C2C | -3.05 | 118.31 | 126.94 |
| 30 | 5 | 307 | CLA | CMB-C2B-C3B | 3.05 | 130.77 | 124.68 |
| 37 | 15 | 316 | A86 | C21-C20-C15 | -3.05 | 113.52 | 123.35 |
| 38 | 11 | 312 | KC1 | CBA-CAA-C2A | -3.05 | 113.23 | 125.45 |
| 30 | 11 | 304 | CLA | C1-C2-C3 | -3.05 | 121.21 | 126.20 |
| 30 | A | 833 | CLA | CAA-C2A-C3A | -3.05 | 104.77 | 113.00 |
| 38 | 8 | 311 | KC1 | C1A-NA-C4A | -3.04 | 105.29 | 106.68 |
| 30 | A | 821 | CLA | CHD-C1D-ND | -3.04 | 120.52 | 124.80 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 8 | 303 | CLA | CHC-C1C-C2C | -3.04 | 118.32 | 126.94 |
| 30 | B | 803 | CLA | CHB-C4A-NA | 3.04 | 128.79 | 124.40 |
| 30 | A | 808 | CLA | O2D-CGD-O1D | -3.04 | 117.93 | 123.85 |
| 30 | 4 | 309 | CLA | CHC-C1C-C2C | -3.04 | 118.33 | 126.94 |
| 30 | 12 | 302 | CLA | C4-C3-C5 | 3.04 | 120.50 | 115.23 |
| 30 | A | 840 | CLA | CHD-C4C-NC | 3.04 | 128.94 | 124.23 |
| 30 | 5 | 308 | CLA | CHC-C1C-C2C | -3.04 | 118.33 | 126.94 |
| 30 | 2 | 311 | CLA | O2A-CGA-CBA | 3.04 | 121.10 | 111.83 |
| 30 | B | 837 | CLA | C4C-C3C-C2C | -3.04 | 102.47 | 106.89 |
| 30 | 10 | 309 | CLA | C4C-C3C-C2C | -3.04 | 102.47 | 106.89 |
| 30 | B | 820 | CLA | CHD-C4C-NC | 3.04 | 128.94 | 124.23 |
| 30 | 12 | 310 | CLA | C3B-C4B-NB | 3.04 | 113.14 | 109.21 |
| 38 | 10 | 310 | KC1 | CAC-C3C-C4C | 3.04 | 128.74 | 124.79 |
| 30 | A | 811 | CLA | CAA-C2A-C3A | -3.04 | 104.79 | 113.00 |
| 30 | 5 | 309 | CLA | CAA-C2A-C3A | -3.04 | 104.79 | 113.00 |
| 30 | 6 | 304 | CLA | CMC-C2C-C1C | 3.04 | 129.78 | 125.03 |
| 30 | 7 | 307 | CLA | CAC-C3C-C4C | 3.04 | 128.74 | 124.79 |
| 30 | A | 832 | CLA | O2A-CGA-CBA | 3.04 | 121.10 | 111.83 |
| 30 | A | 844 | CLA | CHC-C1C-C2C | -3.04 | 118.34 | 126.94 |
| 34 | 6 | 322 | LHG | O8-C23-C24 | 3.04 | 120.37 | 111.15 |
| 30 | 2 | 305 | CLA | CHC-C1C-C2C | -3.04 | 118.34 | 126.94 |
| 30 | 8 | 302 | CLA | CHD-C4C-NC | 3.04 | 128.94 | 124.23 |
| 30 | 7 | 305 | CLA | CHC-C1C-C2C | -3.04 | 118.34 | 126.94 |
| 30 | 14 | 305 | CLA | C1-C2-C3 | -3.04 | 121.85 | 126.76 |
| 30 | A | 835 | CLA | CHC-C1C-C2C | -3.04 | 118.34 | 126.94 |
| 30 | 14 | 302 | CLA | CHD-C4C-NC | 3.04 | 128.94 | 124.23 |
| 30 | F | 202 | CLA | CMB-C2B-C3B | 3.04 | 130.75 | 124.68 |
| 38 | 9 | 310 | KC1 | C4B-C3B-C2B | -3.04 | 104.18 | 106.81 |
| 30 | 11 | 306 | CLA | C1-O2A-CGA | 3.04 | 124.00 | 116.65 |
| 30 | A | 832 | CLA | C3B-C4B-NB | 3.04 | 113.13 | 109.21 |
| 30 | B | 818 | CLA | O2A-CGA-CBA | 3.03 | 121.09 | 111.83 |
| 30 | 6 | 307 | CLA | C3B-C4B-NB | 3.03 | 113.13 | 109.21 |
| 37 | 4 | 312 | A86 | C26-C25-C24 | -3.03 | 114.41 | 123.20 |
| 30 | A | 808 | CLA | C4C-C3C-C2C | -3.03 | 102.48 | 106.89 |
| 30 | B | 836 | CLA | C3B-C4B-NB | 3.03 | 113.13 | 109.21 |
| 38 | 7 | 313 | KC1 | CHD-C4C-NC | 3.03 | 128.88 | 124.31 |
| 30 | A | 812 | CLA | C4C-C3C-C2C | -3.03 | 102.48 | 106.89 |
| 30 | A | 814 | CLA | C1-O2A-CGA | 3.03 | 123.98 | 116.65 |
| 37 | 8 | 315 | A86 | C-C1-C24 | 3.03 | 122.72 | 118.09 |
| 30 | 15 | 305 | CLA | CHC-C1C-C2C | -3.03 | 118.36 | 126.94 |
| 30 | A | 839 | CLA | CHC-C1C-C2C | -3.03 | 118.36 | 126.94 |
| 30 | 14 | 312 | CLA | CHC-C1C-C2C | -3.03 | 118.36 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 11 | 305 | KC1 | CAA-C2A-C1A | -3.03 | 111.37 | 124.64 |
| 30 | 3 | 306 | CLA | CMB-C2B-C3B | 3.03 | 130.73 | 124.68 |
| 30 | A | 823 | CLA | CHC-C1C-C2C | -3.03 | 118.36 | 126.94 |
| 30 | A | 802 | CLA | C4C-C3C-C2C | -3.03 | 102.48 | 106.89 |
| 30 | 15 | 312 | CLA | CHD-C4C-NC | 3.03 | 128.93 | 124.23 |
| 37 | 14 | 319 | A86 | C10-C9-C8 | -3.03 | 114.43 | 123.20 |
| 30 | B | 835 | CLA | O2D-CGD-O1D | -3.03 | 117.95 | 123.85 |
| 30 | B | 820 | CLA | C3B-C4B-NB | 3.03 | 113.12 | 109.21 |
| 38 | 6 | 312 | KC1 | CBA-CAA-C2A | -3.03 | 113.31 | 125.45 |
| 30 | 6 | 306 | CLA | C4C-C3C-C2C | -3.03 | 102.49 | 106.89 |
| 30 | 4 | 311 | CLA | O2A-CGA-CBA | 3.03 | 121.06 | 111.83 |
| 35 | 15 | 301 | LMT | O1B-C4'-C3' | 3.03 | 114.92 | 107.23 |
| 39 | 6 | 321 | DD6 | C15-C14-C13 | -3.03 | 119.59 | 125.99 |
| 30 | 9 | 301 | CLA | O2D-CGD-O1D | -3.03 | 117.96 | 123.85 |
| 30 | 13 | 307 | CLA | CAC-C3C-C4C | 3.03 | 128.73 | 124.79 |
| 30 | A | 829 | CLA | CHD-C4C-NC | 3.03 | 128.92 | 124.23 |
| 30 | 16 | 303 | CLA | CBA-CAA-C2A | 3.03 | 122.80 | 113.79 |
| 29 | A | 801 | CL0 | O2D-CGD-O1D | -3.02 | 117.96 | 123.85 |
| 29 | A | 801 | CL0 | CMA-C3A-C4A | -3.02 | 103.64 | 111.77 |
| 39 | 6 | 318 | DD6 | C35-C36-C31 | -3.02 | 114.20 | 120.50 |
| 38 | 13 | 310 | KC1 | CBA-CAA-C2A | -3.02 | 113.31 | 125.45 |
| 37 | 12 | 314 | A86 | C10-C9-C8 | -3.02 | 114.44 | 123.20 |
| 39 | 8 | 317 | DD6 | C10-C9-C8 | -3.02 | 114.44 | 123.20 |
| 30 | 1 | 303 | CLA | C4C-C3C-C2C | -3.02 | 102.49 | 106.89 |
| 30 | B | 838 | CLA | CAA-C2A-C3A | -3.02 | 104.83 | 113.00 |
| 30 | 16 | 307 | CLA | O2D-CGD-O1D | -3.02 | 117.97 | 123.85 |
| 30 | 15 | 302 | CLA | CAC-C3C-C4C | 3.02 | 128.72 | 124.79 |
| 30 | 5 | 308 | CLA | O2A-CGA-CBA | 3.02 | 121.04 | 111.83 |
| 30 | A | 833 | CLA | C1-C2-C3 | -3.02 | 121.25 | 126.20 |
| 37 | 2u | 205 | A86 | C12-C11-C10 | -3.02 | 116.33 | 123.67 |
| 30 | 14 | 310 | CLA | CHC-C1C-C2C | -3.02 | 118.39 | 126.94 |
| 39 | 13 | 314 | DD6 | C21-C20-C15 | -3.02 | 117.33 | 122.30 |
| 38 | 9 | 312 | KC1 | C4C-C3C-C2C | -3.02 | 102.50 | 106.89 |
| 30 | B | 826 | CLA | CHC-C1C-C2C | -3.02 | 118.39 | 126.94 |
| 37 | 14 | 318 | A86 | C25-C24-C1 | -3.02 | 118.09 | 126.36 |
| 30 | 6 | 316 | CLA | CHC-C1C-C2C | -3.02 | 118.39 | 126.94 |
| 30 | 3 | 301 | CLA | CHC-C1C-C2C | -3.02 | 118.40 | 126.94 |
| 37 | 14 | 315 | A86 | C26-C25-C24 | -3.02 | 114.46 | 123.20 |
| 37 | 7 | 316 | A86 | C3-C4-C5 | -3.02 | 117.35 | 123.52 |
| 30 | 11 | 306 | CLA | CHD-C4C-NC | 3.02 | 128.91 | 124.23 |
| 30 | A | 819 | CLA | C1C-C2C-C3C | -3.02 | 103.81 | 106.98 |
| 30 | A | 818 | CLA | C4C-C3C-C2C | -3.02 | 102.50 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 15 | 306 | CLA | C4C-C3C-C2C | -3.02 | 102.50 | 106.89 |
| 38 | 14 | 306 | KC1 | CAA-CBA-CGA | -3.02 | 111.72 | 127.05 |
| 37 | 7 | 319 | A86 | C3-C4-C5 | -3.02 | 117.35 | 123.52 |
| 30 | A | 826 | CLA | CMB-C2B-C3B | 3.02 | 130.71 | 124.68 |
| 30 | F | 203 | CLA | CHD-C4C-NC | 3.01 | 128.91 | 124.23 |
| 30 | 8 | 308 | CLA | CHD-C4C-NC | 3.01 | 128.91 | 124.23 |
| 30 | A | 839 | CLA | C4C-C3C-C2C | -3.01 | 102.50 | 106.89 |
| 30 | 15 | 307 | CLA | C1-C2-C3 | -3.01 | 121.89 | 126.76 |
| 30 | 3 | 309 | CLA | C3B-C4B-NB | 3.01 | 113.11 | 109.21 |
| 30 | 9 | 308 | CLA | C4C-C3C-C2C | -3.01 | 102.50 | 106.89 |
| 30 | 4 | 306 | CLA | CHD-C4C-NC | 3.01 | 128.90 | 124.23 |
| 30 | 6 | 306 | CLA | CHD-C4C-NC | 3.01 | 128.90 | 124.23 |
| 30 | 10 | 308 | CLA | CAA-C2A-C3A | -3.01 | 104.86 | 113.00 |
| 30 | 15 | 305 | CLA | CAA-C2A-C3A | -3.01 | 104.86 | 113.00 |
| 30 | 6 | 317 | CLA | CHC-C1C-C2C | -3.01 | 118.41 | 126.94 |
| 38 | 9 | 312 | KC1 | CMB-C2B-C1B | 3.01 | 130.03 | 124.73 |
| 37 | 4 | 312 | A86 | C3-C2-C1 | -3.01 | 123.06 | 127.28 |
| 30 | A | 820 | CLA | C2A-C3A-C4A | -3.01 | 97.01 | 101.87 |
| 30 | 12 | 308 | CLA | CAA-C2A-C3A | -3.01 | 104.87 | 113.00 |
| 30 | 1 | 303 | CLA | C1-C2-C3 | -3.01 | 121.27 | 126.20 |
| 30 | B | 831 | CLA | CHD-C4C-NC | 3.01 | 128.90 | 124.23 |
| 37 | 5 | 315 | A86 | C3-C2-C1 | -3.01 | 123.06 | 127.28 |
| 30 | 4 | 301 | CLA | CHC-C1C-C2C | -3.01 | 118.42 | 126.94 |
| 39 | 2 | 315 | DD6 | C21-C20-C15 | -3.01 | 117.35 | 122.30 |
| 38 | 5 | 305 | KC1 | CAC-C3C-C4C | 3.01 | 128.70 | 124.79 |
| 30 | 4 | 306 | CLA | C3B-C4B-NB | 3.01 | 113.10 | 109.21 |
| 30 | 16 | 310 | CLA | CHC-C1C-C2C | -3.01 | 118.42 | 126.94 |
| 30 | A | 825 | CLA | O2A-CGA-CBA | 3.01 | 121.00 | 111.83 |
| 30 | B | 802 | CLA | CMC-C2C-C1C | 3.01 | 129.73 | 125.03 |
| 30 | L | 203 | CLA | CMB-C2B-C3B | 3.01 | 130.69 | 124.68 |
| 33 | A | 849 | BCR | C15-C14-C13 | -3.01 | 123.06 | 127.28 |
| 30 | 1 | 303 | CLA | CHD-C4C-NC | 3.01 | 128.89 | 124.23 |
| 30 | 11 | 309 | CLA | C4C-C3C-C2C | -3.01 | 102.52 | 106.89 |
| 30 | 12 | 308 | CLA | CHC-C1C-C2C | -3.01 | 118.43 | 126.94 |
| 30 | 7 | 307 | CLA | C3B-C4B-NB | 3.01 | 113.09 | 109.21 |
| 30 | B | 830 | CLA | C6-C7-C8 | -3.00 | 105.98 | 115.97 |
| 30 | B | 822 | CLA | C3B-C4B-NB | 3.00 | 113.09 | 109.21 |
| 39 | 3 | 316 | DD6 | O1-C20-C21 | -3.00 | 111.69 | 115.05 |
| 30 | A | 842 | CLA | C1-C2-C3 | -3.00 | 121.28 | 126.20 |
| 30 | B | 833 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.89 |
| 30 | 11 | 306 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.89 |
| 30 | 9 | 309 | CLA | O2A-CGA-CBA | 3.00 | 120.99 | 111.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 815 | CLA | O2D-CGD-O1D | -3.00 | 118.00 | 123.85 |
| 38 | 10 | 306 | KC1 | CBA-CAA-C2A | -3.00 | 113.41 | 125.45 |
| 30 | 4 | 303 | CLA | CHC-C1C-C2C | -3.00 | 118.44 | 126.94 |
| 30 | B | 812 | CLA | C4C-C3C-C2C | -3.00 | 102.52 | 106.89 |
| 38 | 6 | 308 | KC1 | CHD-C4C-NC | 3.00 | 128.83 | 124.31 |
| 33 | A | 849 | BCR | C40-C30-C25 | 3.00 | 114.95 | 110.24 |
| 30 | 8 | 303 | CLA | O2D-CGD-O1D | -3.00 | 118.01 | 123.85 |
| 30 | B | 804 | CLA | C4A-NA-C1A | -3.00 | 105.31 | 106.68 |
| 30 | B | 808 | CLA | C4A-NA-C1A | -3.00 | 105.31 | 106.68 |
| 30 | 13 | 304 | CLA | CHC-C1C-C2C | -3.00 | 118.44 | 126.94 |
| 30 | 14 | 312 | CLA | CAA-C2A-C3A | -3.00 | 104.89 | 113.00 |
| 30 | A | 842 | CLA | CHD-C4C-NC | 3.00 | 128.88 | 124.23 |
| 37 | 9 | 316 | A86 | C21-C20-C15 | -3.00 | 113.67 | 123.35 |
| 39 | 10 | 314 | DD6 | C35-C36-C31 | -3.00 | 114.26 | 120.50 |
| 30 | A | 821 | CLA | CAC-C3C-C4C | 3.00 | 128.69 | 124.79 |
| 37 | 2 | 319 | A86 | C10-C9-C8 | -3.00 | 114.51 | 123.20 |
| 30 | 10 | 311 | CLA | CHD-C4C-NC | 3.00 | 128.88 | 124.23 |
| 38 | 8 | 312 | KC1 | CMB-C2B-C1B | 3.00 | 130.01 | 124.73 |
| 30 | B | 825 | CLA | CAA-C2A-C3A | -3.00 | 104.90 | 113.00 |
| 38 | 1 | 308 | KC1 | C4C-C3C-C2C | -3.00 | 102.53 | 106.89 |
| 37 | 8 | 318 | A86 | C12-C11-C13 | 3.00 | 120.86 | 116.00 |
| 30 | 16 | 301 | CLA | C4C-C3C-C2C | -3.00 | 102.53 | 106.89 |
| 30 | A | 822 | CLA | C3B-C4B-NB | 3.00 | 113.08 | 109.21 |
| 30 | A | 822 | CLA | C4C-C3C-C2C | -3.00 | 102.53 | 106.89 |
| 30 | 6 | 314 | CLA | C4-C3-C5 | 3.00 | 120.43 | 115.23 |
| 30 | A | 817 | CLA | CBC-CAC-C3C | -3.00 | 104.30 | 112.42 |
| 29 | A | 801 | CL0 | C4C-C3C-C2C | -3.00 | 102.53 | 106.89 |
| 30 | 2u | 202 | CLA | C4C-C3C-C2C | -3.00 | 102.53 | 106.89 |
| 30 | 2 | 309 | CLA | CAA-C2A-C3A | -3.00 | 104.91 | 113.00 |
| 30 | B | 823 | CLA | C4C-C3C-C2C | -2.99 | 102.53 | 106.89 |
| 37 | 5 | 301 | A86 | C26-C25-C24 | -2.99 | 114.52 | 123.20 |
| 30 | 3 | 310 | CLA | C3C-C4C-NC | 2.99 | 114.27 | 110.43 |
| 30 | 3 | 305 | CLA | CHD-C4C-NC | 2.99 | 128.87 | 124.23 |
| 30 | B | 835 | CLA | C3B-C4B-NB | 2.99 | 113.08 | 109.21 |
| 30 | J | 101 | CLA | CHC-C1C-C2C | -2.99 | 118.46 | 126.94 |
| 30 | 14 | 312 | CLA | C3B-C4B-NB | 2.99 | 113.08 | 109.21 |
| 30 | A | 819 | CLA | CHD-C4C-NC | 2.99 | 128.87 | 124.23 |
| 30 | A | 828 | CLA | O2D-CGD-O1D | -2.99 | 118.02 | 123.85 |
| 30 | 8 | 305 | CLA | C4A-NA-C1A | -2.99 | 105.31 | 106.68 |
| 38 | 11 | 312 | KC1 | CMB-C2B-C1B | 2.99 | 130.00 | 124.73 |
| 30 | B | 802 | CLA | C1C-C2C-C3C | -2.99 | 103.83 | 106.98 |
| 30 | 12 | 306 | CLA | CBC-CAC-C3C | -2.99 | 104.31 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 5 | 304 | CLA | CHC-C1C-C2C | -2.99 | 118.47 | 126.94 |
| 30 | B | 832 | CLA | CHB-C4A-NA | 2.99 | 128.72 | 124.40 |
| 38 | 2 | 314 | KC1 | C4C-C3C-C2C | -2.99 | 102.54 | 106.89 |
| 39 | 6 | 319 | DD6 | C33-C32-C31 | 2.99 | 115.38 | 109.49 |
| 30 | A | 834 | CLA | CAA-C2A-C3A | -2.99 | 104.92 | 113.00 |
| 30 | 3 | 303 | CLA | C1-C2-C3 | -2.99 | 121.30 | 126.20 |
| 30 | B | 835 | CLA | O2A-CGA-CBA | 2.99 | 120.95 | 111.83 |
| 30 | 14 | 304 | CLA | C4C-C3C-C2C | -2.99 | 102.54 | 106.89 |
| 30 | B | 820 | CLA | C1C-C2C-C3C | -2.99 | 103.84 | 106.98 |
| 37 | 4 | 317 | A86 | C10-C9-C8 | -2.99 | 114.54 | 123.20 |
| 37 | 11 | 315 | A86 | C4-C3-C2 | -2.99 | 117.40 | 123.52 |
| 30 | B | 832 | CLA | C4C-C3C-C2C | -2.99 | 102.54 | 106.89 |
| 30 | 12 | 306 | CLA | C1-C2-C3 | -2.99 | 121.30 | 126.20 |
| 39 | 5 | 314 | DD6 | C21-C20-C15 | -2.99 | 117.39 | 122.30 |
| 33 | B | 845 | BCR | C27-C26-C25 | 2.99 | 126.74 | 122.70 |
| 30 | 5 | 307 | CLA | CMC-C2C-C1C | 2.99 | 129.70 | 125.03 |
| 30 | B | 808 | CLA | CBC-CAC-C3C | -2.99 | 104.32 | 112.42 |
| 30 | B | 836 | CLA | O2D-CGD-O1D | -2.99 | 118.03 | 123.85 |
| 38 | 13 | 306 | KC1 | C1C-C2C-C3C | -2.99 | 103.84 | 106.98 |
| 38 | 4 | 308 | KC1 | C2A-C1A-NA | 2.99 | 114.13 | 109.34 |
| 30 | B | 834 | CLA | CHD-C4C-NC | 2.99 | 128.86 | 124.23 |
| 30 | B | 807 | CLA | CAA-C2A-C3A | -2.99 | 104.93 | 113.00 |
| 38 | 8 | 313 | KC1 | CHD-C4C-NC | 2.99 | 128.81 | 124.31 |
| 30 | 10 | 305 | CLA | CHC-C1C-C2C | -2.98 | 118.49 | 126.94 |
| 30 | 10 | 311 | CLA | CAC-C3C-C4C | 2.98 | 128.67 | 124.79 |
| 38 | 2 | 312 | KC1 | CBA-CAA-C2A | -2.98 | 113.47 | 125.45 |
| 39 | 2 | 315 | DD6 | C3-C4-C5 | -2.98 | 117.41 | 123.52 |
| 30 | A | 819 | CLA | C1-C2-C3 | -2.98 | 121.31 | 126.20 |
| 30 | 6 | 305 | CLA | O2A-CGA-CBA | 2.98 | 120.93 | 111.83 |
| 30 | F | 201 | CLA | C1-C2-C3 | -2.98 | 121.31 | 126.20 |
| 37 | 2u | 205 | A86 | C40-C32-C31 | -2.98 | 107.80 | 110.47 |
| 30 | 2 | 305 | CLA | C1-C2-C3 | -2.98 | 121.31 | 126.20 |
| 30 | 13 | 301 | CLA | C4C-C3C-C2C | -2.98 | 102.55 | 106.89 |
| 37 | 14 | 301 | A86 | C10-C9-C8 | -2.98 | 114.56 | 123.20 |
| 30 | B | 816 | CLA | CHC-C1C-C2C | -2.98 | 118.50 | 126.94 |
| 30 | 6 | 305 | CLA | C1-C2-C3 | -2.98 | 121.31 | 126.20 |
| 30 | B | 829 | CLA | CHC-C1C-C2C | -2.98 | 118.50 | 126.94 |
| 30 | 12 | 302 | CLA | CAC-C3C-C4C | 2.98 | 128.67 | 124.79 |
| 30 | 1 | 301 | CLA | C4C-C3C-C2C | -2.98 | 102.55 | 106.89 |
| 30 | 6 | 314 | CLA | CHC-C1C-C2C | -2.98 | 118.50 | 126.94 |
| 30 | 12 | 306 | CLA | C4A-NA-C1A | -2.98 | 105.32 | 106.68 |
| 30 | A | 805 | CLA | CBC-CAC-C3C | -2.98 | 104.34 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 301 | CLA | CAA-C2A-C3A | -2.98 | 104.95 | 113.00 |
| 30 | A | 804 | CLA | CHC-C1C-C2C | -2.98 | 118.50 | 126.94 |
| 30 | L | 203 | CLA | C4C-C3C-C2C | -2.98 | 102.55 | 106.89 |
| 30 | A | 813 | CLA | CHC-C1C-C2C | -2.98 | 118.50 | 126.94 |
| 30 | 2 | 307 | CLA | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 38 | 7 | 308 | KC1 | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 37 | 7 | 319 | A86 | C7-C6-C5 | -2.98 | 117.99 | 122.82 |
| 30 | 15 | 302 | CLA | CHD-C4C-NC | 2.98 | 128.85 | 124.23 |
| 30 | 4 | 304 | CLA | CHD-C4C-NC | 2.98 | 128.85 | 124.23 |
| 30 | 12 | 308 | CLA | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 38 | 14 | 311 | KC1 | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 30 | 8 | 305 | CLA | OBD-CAD-C3D | -2.98 | 121.46 | 128.42 |
| 30 | 2 | 310 | CLA | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 30 | B | 824 | CLA | C3B-C4B-NB | 2.98 | 113.06 | 109.21 |
| 38 | 2 | 306 | KC1 | O2D-CGD-O1D | -2.98 | 118.06 | 123.85 |
| 30 | 16 | 303 | CLA | C4C-C3C-C2C | -2.98 | 102.56 | 106.89 |
| 37 | 16 | 314 | A86 | C35-C34-C33 | 2.97 | 115.23 | 109.89 |
| 30 | 10 | 309 | CLA | CHC-C1C-C2C | -2.97 | 118.52 | 126.94 |
| 30 | 12 | 306 | CLA | CAA-C2A-C3A | -2.97 | 104.96 | 113.00 |
| 30 | 14 | 309 | CLA | CAC-C3C-C4C | 2.97 | 128.66 | 124.79 |
| 30 | 16 | 307 | CLA | CAC-C3C-C4C | 2.97 | 128.66 | 124.79 |
| 30 | A | 823 | CLA | CHD-C4C-NC | 2.97 | 128.84 | 124.23 |
| 38 | 8 | 314 | KC1 | CHB-C4A-NA | 2.97 | 128.84 | 124.23 |
| 30 | B | 831 | CLA | O1D-CGD-CBD | -2.97 | 118.65 | 124.52 |
| 30 | 14 | 303 | CLA | C1-C2-C3 | -2.97 | 121.33 | 126.20 |
| 30 | 9 | 302 | CLA | C4C-C3C-C2C | -2.97 | 102.56 | 106.89 |
| 38 | 16 | 311 | KC1 | C4C-C3C-C2C | -2.97 | 102.56 | 106.89 |
| 30 | 2 | 313 | CLA | CHC-C1C-C2C | -2.97 | 118.52 | 126.94 |
| 37 | 15 | 315 | A86 | C4-C5-C6 | 2.97 | 131.45 | 127.28 |
| 39 | 15 | 318 | DD6 | C33-C32-C31 | 2.97 | 115.34 | 109.49 |
| 30 | A | 805 | CLA | CHD-C4C-NC | 2.97 | 128.84 | 124.23 |
| 37 | 15 | 315 | A86 | C21-C20-C15 | -2.97 | 113.76 | 123.35 |
| 30 | 15 | 308 | CLA | CHC-C1C-C2C | -2.97 | 118.53 | 126.94 |
| 30 | 5 | 307 | CLA | CHD-C4C-NC | 2.97 | 128.84 | 124.23 |
| 30 | B | 835 | CLA | CHD-C4C-NC | 2.97 | 128.84 | 124.23 |
| 30 | 12 | 312 | CLA | CHD-C4C-NC | 2.97 | 128.84 | 124.23 |
| 36 | 7 | 320 | LMG | C1-C2-C3 | -2.97 | 103.76 | 110.01 |
| 30 | A | 818 | CLA | C1-C2-C3 | -2.97 | 121.33 | 126.20 |
| 30 | 12 | 306 | CLA | CHB-C4A-NA | 2.97 | 128.69 | 124.40 |
| 30 | J | 101 | CLA | CAC-C3C-C4C | 2.97 | 128.65 | 124.79 |
| 30 | L | 203 | CLA | CHC-C1C-C2C | -2.97 | 118.54 | 126.94 |
| 30 | A | 832 | CLA | CAC-C3C-C4C | 2.97 | 128.65 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 820 | CLA | CAC-C3C-C2C | 2.97 | 133.01 | 127.56 |
| 30 | 9 | 306 | CLA | CAC-C3C-C4C | 2.97 | 128.65 | 124.79 |
| 30 | 4 | 302 | CLA | CHC-C1C-C2C | -2.97 | 118.54 | 126.94 |
| 30 | 10 | 308 | CLA | C3B-C4B-NB | 2.97 | 113.04 | 109.21 |
| 30 | F | 201 | CLA | O2A-CGA-CBA | 2.97 | 120.88 | 111.83 |
| 30 | A | 839 | CLA | C3B-C4B-NB | 2.96 | 113.04 | 109.21 |
| 37 | 12 | 314 | A86 | C26-C25-C24 | -2.96 | 114.61 | 123.20 |
| 30 | B | 801 | CLA | C1C-C2C-C3C | -2.96 | 103.86 | 106.98 |
| 30 | B | 817 | CLA | CMB-C2B-C3B | 2.96 | 130.61 | 124.68 |
| 30 | 8 | 304 | CLA | CHC-C1C-C2C | -2.96 | 118.55 | 126.94 |
| 30 | B | 851 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.89 |
| 30 | 14 | 312 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.89 |
| 30 | 8 | 304 | CLA | CAC-C3C-C4C | 2.96 | 128.65 | 124.79 |
| 30 | B | 836 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.89 |
| 30 | B | 818 | CLA | CHC-C1C-C2C | -2.96 | 118.55 | 126.94 |
| 30 | 12 | 302 | CLA | C1-C2-C3 | -2.96 | 121.34 | 126.20 |
| 30 | 6 | 317 | CLA | CHD-C4C-NC | 2.96 | 128.82 | 124.23 |
| 30 | 2 | 304 | CLA | CHC-C1C-C2C | -2.96 | 118.55 | 126.94 |
| 30 | A | 836 | CLA | O2A-CGA-CBA | 2.96 | 120.86 | 111.83 |
| 30 | A | 810 | CLA | C1-C2-C3 | -2.96 | 121.35 | 126.20 |
| 38 | 12 | 305 | KC1 | CAC-C3C-C4C | 2.96 | 128.64 | 124.79 |
| 30 | B | 805 | CLA | C4C-C3C-C2C | -2.96 | 102.58 | 106.89 |
| 38 | 10 | 312 | KC1 | CAA-C2A-C1A | -2.96 | 111.67 | 124.64 |
| 30 | 16 | 302 | CLA | CHD-C4C-NC | 2.96 | 128.82 | 124.23 |
| 30 | 6 | 316 | CLA | CAA-C2A-C3A | -2.96 | 105.00 | 113.00 |
| 30 | 10 | 308 | CLA | CHD-C4C-NC | 2.96 | 128.82 | 124.23 |
| 30 | L | 203 | CLA | CAA-C2A-C3A | -2.96 | 105.00 | 113.00 |
| 30 | 6 | 307 | CLA | CAC-C3C-C4C | 2.96 | 128.64 | 124.79 |
| 30 | A | 824 | CLA | CHD-C4C-NC | 2.96 | 128.82 | 124.23 |
| 30 | 9 | 305 | CLA | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 30 | 12 | 321 | CLA | CAC-C3C-C4C | 2.96 | 128.64 | 124.79 |
| 38 | 3 | 311 | KC1 | CAC-C3C-C4C | 2.96 | 128.64 | 124.79 |
| 30 | 11 | 310 | CLA | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 38 | 9 | 310 | KC1 | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 30 | 6 | 306 | CLA | C4A-NA-C1A | -2.96 | 105.33 | 106.68 |
| 30 | B | 835 | CLA | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 38 | 10 | 310 | KC1 | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 30 | 12 | 302 | CLA | CMC-C2C-C1C | 2.96 | 129.65 | 125.03 |
| 30 | 7 | 307 | CLA | O2A-CGA-CBA | 2.96 | 120.85 | 111.83 |
| 30 | 5 | 311 | CLA | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 38 | 11 | 311 | KC1 | C4C-C3C-C2C | -2.96 | 102.59 | 106.89 |
| 30 | 2 | 313 | CLA | CAC-C3C-C4C | 2.95 | 128.63 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 824 | CLA | O2A-CGA-CBA | 2.95 | 120.84 | 111.83 |
| 38 | 4 | 307 | KC1 | CAA-CBA-CGA | -2.95 | 112.03 | 127.05 |
| 30 | 10 | 307 | CLA | CAC-C3C-C4C | 2.95 | 128.63 | 124.79 |
| 30 | 2 | 309 | CLA | CHC-C1C-C2C | -2.95 | 118.58 | 126.94 |
| 30 | A | 808 | CLA | CAC-C3C-C4C | 2.95 | 128.63 | 124.79 |
| 30 | 10 | 311 | CLA | CHC-C1C-C2C | -2.95 | 118.58 | 126.94 |
| 30 | 13 | 307 | CLA | O2D-CGD-O1D | -2.95 | 118.10 | 123.85 |
| 38 | 5 | 306 | KC1 | C4C-C3C-C2C | -2.95 | 102.59 | 106.89 |
| 37 | 2 | 319 | A86 | C21-C20-C15 | -2.95 | 113.82 | 123.35 |
| 30 | B | 837 | CLA | C1-C2-C3 | -2.95 | 121.36 | 126.20 |
| 30 | A | 836 | CLA | CAA-C2A-C3A | -2.95 | 105.03 | 113.00 |
| 37 | 2u | 203 | A86 | C36-C31-C32 | -2.95 | 116.77 | 119.70 |
| 38 | 13 | 311 | KC1 | CHD-C4C-NC | 2.95 | 128.75 | 124.31 |
| 30 | 6 | 310 | CLA | O2D-CGD-O1D | -2.95 | 118.11 | 123.85 |
| 30 | B | 825 | CLA | C3B-C4B-NB | 2.95 | 113.02 | 109.21 |
| 30 | 11 | 308 | CLA | C3B-C4B-NB | 2.95 | 113.02 | 109.21 |
| 30 | 15 | 303 | CLA | CAA-C2A-C3A | -2.95 | 105.03 | 113.00 |
| 30 | A | 835 | CLA | C1-C2-C3 | -2.95 | 121.36 | 126.20 |
| 30 | 6 | 315 | CLA | CHD-C4C-NC | 2.95 | 128.80 | 124.23 |
| 30 | 12 | 304 | CLA | CHD-C4C-NC | 2.95 | 128.80 | 124.23 |
| 30 | 6 | 309 | CLA | CHC-C1C-C2C | -2.95 | 118.59 | 126.94 |
| 30 | 10 | 303 | CLA | CBC-CAC-C3C | -2.95 | 104.43 | 112.42 |
| 38 | 5 | 310 | KC1 | CAC-C3C-C4C | 2.95 | 128.63 | 124.79 |
| 30 | A | 814 | CLA | CHB-C4A-NA | 2.95 | 128.65 | 124.40 |
| 30 | A | 812 | CLA | CHC-C1C-C2C | -2.95 | 118.59 | 126.94 |
| 30 | B | 824 | CLA | O2D-CGD-O1D | -2.95 | 118.11 | 123.85 |
| 30 | 14 | 302 | CLA | O2A-CGA-CBA | 2.95 | 120.82 | 111.83 |
| 30 | A | 805 | CLA | C3B-C4B-NB | 2.95 | 113.02 | 109.21 |
| 30 | A | 818 | CLA | O2A-CGA-CBA | 2.95 | 120.82 | 111.83 |
| 37 | 14 | 314 | A86 | C12-C11-C10 | -2.95 | 116.51 | 123.67 |
| 30 | B | 810 | CLA | C3B-C4B-NB | 2.95 | 113.02 | 109.21 |
| 30 | B | 834 | CLA | C1-C2-C3 | -2.95 | 121.37 | 126.20 |
| 30 | A | 834 | CLA | C4C-C3C-C2C | -2.95 | 102.60 | 106.89 |
| 30 | A | 835 | CLA | O2A-CGA-CBA | 2.95 | 120.82 | 111.83 |
| 35 | 9 | 317 | LMT | O5'-C1'-C2' | 2.95 | 116.42 | 110.37 |
| 38 | 8 | 306 | KC1 | CHD-C4C-NC | 2.95 | 128.75 | 124.31 |
| 38 | 13 | 306 | KC1 | CHD-C4C-NC | 2.95 | 128.75 | 124.31 |
| 30 | 7 | 311 | CLA | CHC-C1C-C2C | -2.95 | 118.60 | 126.94 |
| 38 | 9 | 304 | KC1 | CHD-C4C-NC | 2.95 | 128.75 | 124.31 |
| 33 | A | 850 | BCR | C24-C23-C22 | -2.95 | 121.88 | 126.23 |
| 30 | A | 807 | CLA | CHC-C1C-C2C | -2.94 | 118.60 | 126.94 |
| 30 | A | 834 | CLA | CHC-C1C-C2C | -2.94 | 118.60 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 304 | CLA | C1-C2-C3 | -2.94 | 121.37 | 126.20 |
| 30 | 12 | 312 | CLA | CBC-CAC-C3C | -2.94 | 104.44 | 112.42 |
| 30 | B | 832 | CLA | CAA-C2A-C3A | -2.94 | 105.05 | 113.00 |
| 30 | 3 | 305 | CLA | CAA-C2A-C3A | -2.94 | 105.05 | 113.00 |
| 30 | 3 | 306 | CLA | C4C-C3C-C2C | -2.94 | 102.61 | 106.89 |
| 30 | 8 | 309 | CLA | C4C-C3C-C2C | -2.94 | 102.61 | 106.89 |
| 30 | 9 | 308 | CLA | CHD-C4C-NC | 2.94 | 128.79 | 124.23 |
| 30 | 7 | 307 | CLA | CMC-C2C-C1C | 2.94 | 129.63 | 125.03 |
| 30 | 1 | 304 | CLA | C1C-C2C-C3C | -2.94 | 103.89 | 106.98 |
| 30 | 13 | 302 | CLA | CHD-C4C-NC | 2.94 | 128.79 | 124.23 |
| 30 | 3 | 310 | CLA | CHD-C4C-NC | 2.94 | 128.79 | 124.23 |
| 30 | B | 811 | CLA | C1-C2-C3 | -2.94 | 121.38 | 126.20 |
| 37 | 15 | 320 | A86 | C36-C31-C32 | -2.94 | 116.78 | 119.70 |
| 30 | 7 | 305 | CLA | CMB-C2B-C3B | 2.94 | 130.56 | 124.68 |
| 39 | 6 | 303 | DD6 | O1-C20-C21 | -2.94 | 111.76 | 115.05 |
| 33 | M | 101 | BCR | C15-C16-C17 | -2.94 | 117.50 | 123.52 |
| 30 | B | 822 | CLA | CAC-C3C-C4C | 2.94 | 128.61 | 124.79 |
| 30 | 16 | 302 | CLA | CAC-C3C-C4C | 2.94 | 128.61 | 124.79 |
| 30 | 12 | 304 | CLA | CHC-C1C-C2C | -2.94 | 118.62 | 126.94 |
| 39 | 5 | 314 | DD6 | C10-C9-C8 | -2.94 | 114.68 | 123.20 |
| 30 | A | 833 | CLA | C4-C3-C5 | 2.94 | 120.33 | 115.23 |
| 29 | A | 801 | CL0 | CHC-C1C-C2C | -2.94 | 118.62 | 126.94 |
| 30 | B | 839 | CLA | C1-C2-C3 | -2.94 | 121.38 | 126.20 |
| 30 | B | 831 | CLA | C4C-C3C-C2C | -2.94 | 102.62 | 106.89 |
| 30 | 3 | 306 | CLA | C1-C2-C3 | -2.94 | 121.39 | 126.20 |
| 30 | 9 | 307 | CLA | CHC-C1C-C2C | -2.94 | 118.62 | 126.94 |
| 39 | 15 | 318 | DD6 | C25-C24-C1 | -2.94 | 118.31 | 126.36 |
| 30 | 4 | 311 | CLA | CAC-C3C-C4C | 2.94 | 128.61 | 124.79 |
| 38 | 8 | 313 | KC1 | C2C-C1C-NC | 2.94 | 114.08 | 110.45 |
| 30 | B | 807 | CLA | CMA-C3A-C2A | -2.94 | 102.63 | 113.98 |
| 39 | 15 | 318 | DD6 | C14-C13-C11 | -2.94 | 120.97 | 125.53 |
| 30 | 3 | 309 | CLA | CHD-C4C-NC | 2.94 | 128.78 | 124.23 |
| 30 | 16 | 302 | CLA | CHC-C1C-C2C | -2.94 | 118.63 | 126.94 |
| 30 | 16 | 302 | CLA | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |
| 38 | 6 | 313 | KC1 | CHD-C4C-NC | 2.93 | 128.73 | 124.31 |
| 30 | 13 | 309 | CLA | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |
| 30 | 5 | 308 | CLA | CMB-C2B-C3B | 2.93 | 130.54 | 124.68 |
| 30 | 9 | 308 | CLA | CMB-C2B-C3B | 2.93 | 130.54 | 124.68 |
| 30 | 16 | 308 | CLA | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |
| 30 | A | 838 | CLA | CHD-C4C-NC | 2.93 | 128.78 | 124.23 |
| 30 | 1 | 301 | CLA | CAC-C3C-C4C | 2.93 | 128.61 | 124.79 |
| 30 | A | 833 | CLA | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 13 | 310 | KC1 | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |
| 38 | 12 | 313 | KC1 | CMB-C2B-C1B | 2.93 | 129.89 | 124.73 |
| 30 | A | 823 | CLA | C3C-C4C-NC | 2.93 | 114.19 | 110.43 |
| 38 | 12 | 311 | KC1 | C4C-C3C-C2C | -2.93 | 102.62 | 106.89 |
| 30 | 6 | 316 | CLA | C3B-C4B-NB | 2.93 | 113.00 | 109.21 |
| 37 | 4 | 315 | A86 | C34-O4-C38 | -2.93 | 112.67 | 117.85 |
| 30 | A | 804 | CLA | CHD-C4C-NC | 2.93 | 128.78 | 124.23 |
| 30 | 16 | 310 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.89 |
| 30 | 12 | 307 | CLA | C1C-C2C-C3C | -2.93 | 103.90 | 106.98 |
| 38 | 13 | 310 | KC1 | CMB-C2B-C1B | 2.93 | 129.89 | 124.73 |
| 30 | B | 851 | CLA | C3B-C4B-NB | 2.93 | 113.00 | 109.21 |
| 30 | B | 816 | CLA | C4-C3-C5 | 2.93 | 120.31 | 115.23 |
| 36 | 8 | 320 | LMG | O6-C1-O1 | -2.93 | 103.12 | 110.04 |
| 30 | 5 | 303 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.89 |
| 37 | 14 | 314 | A86 | C21-C20-C15 | -2.93 | 113.90 | 123.35 |
| 38 | 5 | 305 | KC1 | CBA-CAA-C2A | -2.93 | 113.70 | 125.45 |
| 30 | 15 | 313 | CLA | CHD-C4C-NC | 2.93 | 128.77 | 124.23 |
| 30 | 4 | 306 | CLA | CAA-C2A-C3A | -2.93 | 105.09 | 113.00 |
| 30 | A | 841 | CLA | CAA-C2A-C3A | -2.93 | 105.09 | 113.00 |
| 30 | A | 832 | CLA | CHC-C1C-C2C | -2.93 | 118.65 | 126.94 |
| 36 | 8 | 320 | LMG | O7-C10-O9 | -2.93 | 116.86 | 123.70 |
| 30 | A | 811 | CLA | CHD-C4C-NC | 2.93 | 128.77 | 124.23 |
| 30 | B | 811 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.89 |
| 30 | 13 | 302 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.89 |
| 30 | B | 828 | CLA | CMD-C2D-C3D | -2.93 | 120.98 | 127.69 |
| 30 | A | 815 | CLA | O2D-CGD-O1D | -2.93 | 118.15 | 123.85 |
| 30 | 12 | 302 | CLA | C4C-C3C-C2C | -2.93 | 102.63 | 106.89 |
| 30 | A | 828 | CLA | C4-C3-C5 | 2.93 | 120.31 | 115.23 |
| 30 | B | 836 | CLA | O2A-CGA-CBA | 2.93 | 120.75 | 111.83 |
| 30 | B | 829 | CLA | C4C-C3C-C2C | -2.92 | 102.64 | 106.89 |
| 30 | 2 | 303 | CLA | C3C-C4C-NC | 2.92 | 114.18 | 110.43 |
| 38 | 8 | 312 | KC1 | CBA-CAA-C2A | -2.92 | 113.72 | 125.45 |
| 30 | 8 | 309 | CLA | O2D-CGD-O1D | -2.92 | 118.16 | 123.85 |
| 30 | B | 813 | CLA | CHC-C1C-C2C | -2.92 | 118.66 | 126.94 |
| 30 | 2u | 202 | CLA | CAC-C3C-C4C | 2.92 | 128.59 | 124.79 |
| 30 | B | 827 | CLA | CHC-C1C-C2C | -2.92 | 118.66 | 126.94 |
| 30 | 12 | 321 | CLA | CAA-C2A-C3A | -2.92 | 105.11 | 113.00 |
| 37 | 7 | 315 | A86 | C41-C32-C31 | -2.92 | 107.86 | 110.47 |
| 37 | 7 | 319 | A86 | C21-C20-C15 | -2.92 | 113.92 | 123.35 |
| 30 | A | 802 | CLA | O2D-CGD-O1D | -2.92 | 118.16 | 123.85 |
| 30 | 12 | 303 | CLA | CAA-C2A-C3A | -2.92 | 105.11 | 113.00 |
| 30 | 1 | 302 | CLA | CBC-CAC-C3C | -2.92 | 104.51 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 6 | 312 | KC1 | CHD-C4C-NC | 2.92 | 128.71 | 124.31 |
| 30 | 7 | 305 | CLA | C4C-C3C-C2C | -2.92 | 102.64 | 106.89 |
| 30 | 9 | 305 | CLA | CHD-C4C-NC | 2.92 | 128.75 | 124.23 |
| 30 | 4 | 302 | CLA | CBC-CAC-C3C | -2.92 | 104.51 | 112.42 |
| 30 | 4 | 309 | CLA | C1-C2-C3 | -2.92 | 121.42 | 126.20 |
| 30 | B | 824 | CLA | CHC-C1C-C2C | -2.92 | 118.68 | 126.94 |
| 30 | 3 | 305 | CLA | C4C-C3C-C2C | -2.92 | 102.65 | 106.89 |
| 30 | A | 821 | CLA | O2D-CGD-O1D | -2.92 | 118.17 | 123.85 |
| 30 | A | 811 | CLA | C4C-C3C-C2C | -2.92 | 102.65 | 106.89 |
| 30 | 4 | 304 | CLA | C4C-C3C-C2C | -2.92 | 102.65 | 106.89 |
| 30 | 12 | 321 | CLA | C4C-C3C-C2C | -2.92 | 102.65 | 106.89 |
| 39 | 5 | 313 | DD6 | C21-C20-C15 | -2.91 | 117.50 | 122.30 |
| 30 | 2 | 307 | CLA | C1-C2-C3 | -2.91 | 121.42 | 126.20 |
| 30 | A | 806 | CLA | CHC-C1C-C2C | -2.91 | 118.69 | 126.94 |
| 30 | 2u | 202 | CLA | CHC-C1C-C2C | -2.91 | 118.69 | 126.94 |
| 30 | 2 | 313 | CLA | C4C-C3C-C2C | -2.91 | 102.65 | 106.89 |
| 30 | 11 | 304 | CLA | C4C-C3C-C2C | -2.91 | 102.65 | 106.89 |
| 38 | 16 | 304 | KC1 | CAC-C3C-C4C | 2.91 | 128.58 | 124.79 |
| 37 | 14 | 314 | A86 | C7-C6-C5 | -2.91 | 118.10 | 122.82 |
| 30 | 14 | 313 | CLA | CHC-C1C-C2C | -2.91 | 118.69 | 126.94 |
| 38 | 1 | 306 | KC1 | C4C-C3C-C2C | -2.91 | 102.65 | 106.89 |
| 30 | 9 | 306 | CLA | C4C-C3C-C2C | -2.91 | 102.65 | 106.89 |
| 30 | 15 | 312 | CLA | C3C-C4C-NC | 2.91 | 114.16 | 110.43 |
| 30 | 13 | 302 | CLA | CHC-C1C-C2C | -2.91 | 118.70 | 126.94 |
| 30 | A | 810 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.89 |
| 37 | 14 | 319 | A86 | C25-C24-C1 | -2.91 | 118.38 | 126.36 |
| 30 | A | 835 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.89 |
| 30 | 3 | 307 | CLA | CAA-C2A-C3A | -2.91 | 105.14 | 113.00 |
| 30 | B | 802 | CLA | CHA-C1A-NA | -2.91 | 119.80 | 126.39 |
| 37 | 4 | 317 | A86 | C19-C18-C17 | -2.91 | 105.35 | 110.79 |
| 38 | 6 | 313 | KC1 | C4C-C3C-C2C | -2.91 | 102.66 | 106.89 |
| 30 | A | 834 | CLA | CHD-C4C-NC | 2.91 | 128.74 | 124.23 |
| 30 | B | 806 | CLA | C3B-C4B-NB | 2.91 | 112.97 | 109.21 |
| 38 | 4 | 310 | KC1 | C4B-C3B-C2B | -2.91 | 104.29 | 106.81 |
| 30 | 6 | 306 | CLA | O2D-CGD-O1D | -2.91 | 118.19 | 123.85 |
| 37 | 2 | 302 | A86 | C22-C16-C17 | -2.91 | 103.86 | 108.97 |
| 30 | 15 | 314 | CLA | C4C-C3C-C2C | -2.91 | 102.66 | 106.89 |
| 36 | 3 | 317 | LMG | O6-C5-C4 | 2.91 | 114.94 | 109.70 |
| 30 | 3 | 306 | CLA | C4-C3-C5 | 2.91 | 120.27 | 115.23 |
| 30 | 6 | 305 | CLA | CHC-C1C-C2C | -2.91 | 118.71 | 126.94 |
| 30 | 16 | 303 | CLA | O2A-CGA-CBA | 2.91 | 120.69 | 111.83 |
| 30 | A | 817 | CLA | CHD-C4C-NC | 2.91 | 128.74 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 2 | 304 | CLA | CHD-C4C-NC | 2.91 | 128.74 | 124.23 |
| 38 | 12 | 313 | KC1 | O2D-CGD-O1D | -2.91 | 118.19 | 123.85 |
| 38 | 4 | 308 | KC1 | CAA-CBA-CGA | -2.90 | 112.28 | 127.05 |
| 30 | B | 831 | CLA | CHC-C1C-C2C | -2.90 | 118.72 | 126.94 |
| 30 | 15 | 305 | CLA | C4C-C3C-C2C | -2.90 | 102.66 | 106.89 |
| 38 | 4 | 308 | KC1 | CBC-CAC-C3C | -2.90 | 104.55 | 112.42 |
| 30 | B | 851 | CLA | CHD-C4C-NC | 2.90 | 128.73 | 124.23 |
| 30 | 7 | 310 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 30 | 5 | 307 | CLA | CHC-C1C-C2C | -2.90 | 118.72 | 126.94 |
| 30 | B | 805 | CLA | O2D-CGD-O1D | -2.90 | 118.20 | 123.85 |
| 37 | 15 | 315 | A86 | C10-C9-C8 | 2.90 | 131.61 | 123.20 |
| 37 | 4 | 314 | A86 | C40-C32-C31 | -2.90 | 107.87 | 110.47 |
| 30 | 14 | 302 | CLA | C3B-C4B-NB | 2.90 | 112.96 | 109.21 |
| 30 | A | 821 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 30 | 2 | 307 | CLA | O2A-CGA-CBA | 2.90 | 120.69 | 111.83 |
| 38 | 8 | 312 | KC1 | CAC-C3C-C4C | 2.90 | 128.57 | 124.79 |
| 30 | B | 816 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 30 | 6 | 309 | CLA | C3B-C4B-NB | 2.90 | 112.96 | 109.21 |
| 37 | 11 | 314 | A86 | C26-C25-C24 | -2.90 | 114.79 | 123.20 |
| 38 | 9 | 310 | KC1 | O2D-CGD-O1D | -2.90 | 118.20 | 123.85 |
| 30 | B | 816 | CLA | O2A-CGA-CBA | 2.90 | 120.68 | 111.83 |
| 30 | 7 | 311 | CLA | C1-C2-C3 | -2.90 | 121.44 | 126.20 |
| 30 | 6 | 307 | CLA | O2A-CGA-CBA | 2.90 | 120.68 | 111.83 |
| 30 | 9 | 309 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 30 | 15 | 310 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 37 | 9 | 316 | A86 | C4-C3-C2 | -2.90 | 117.58 | 123.52 |
| 37 | 3 | 314 | A86 | C25-C24-C1 | -2.90 | 118.41 | 126.36 |
| 30 | 1 | 303 | CLA | C3B-C4B-NB | 2.90 | 112.96 | 109.21 |
| 30 | 9 | 305 | CLA | C1-C2-C3 | -2.90 | 121.45 | 126.20 |
| 30 | 1 | 305 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 30 | 12 | 304 | CLA | CAC-C3C-C4C | 2.90 | 128.56 | 124.79 |
| 38 | 13 | 305 | KC1 | O2D-CGD-O1D | -2.90 | 118.20 | 123.85 |
| 30 | A | 819 | CLA | CAC-C3C-C4C | 2.90 | 128.56 | 124.79 |
| 30 | 8 | 304 | CLA | C1C-C2C-C3C | -2.90 | 103.93 | 106.98 |
| 39 | 6 | 319 | DD6 | C37-C36-C35 | -2.90 | 109.09 | 114.42 |
| 30 | 6 | 315 | CLA | O2D-CGD-O1D | -2.90 | 118.21 | 123.85 |
| 30 | A | 838 | CLA | C4C-C3C-C2C | -2.90 | 102.67 | 106.89 |
| 37 | 10 | 316 | A86 | C26-C25-C24 | -2.90 | 114.81 | 123.20 |
| 30 | 6 | 305 | CLA | CAC-C3C-C4C | 2.90 | 128.56 | 124.79 |
| 38 | 13 | 308 | KC1 | O2D-CGD-O1D | -2.90 | 118.21 | 123.85 |
| 30 | 3 | 303 | CLA | CHD-C4C-NC | 2.90 | 128.72 | 124.23 |
| 37 | 15 | 315 | A86 | C36-C31-C32 | -2.90 | 116.82 | 119.70 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 12 | 313 | KC1 | C1A-C2A-C3A | 2.90 | 109.94 | 107.28 |
| 30 | L | 203 | CLA | CHD-C4C-NC | 2.90 | 128.72 | 124.23 |
| 30 | 5 | 303 | CLA | CHD-C4C-NC | 2.90 | 128.72 | 124.23 |
| 30 | 7 | 305 | CLA | CHD-C4C-NC | 2.90 | 128.72 | 124.23 |
| 38 | 4 | 310 | KC1 | CAC-C3C-C4C | 2.90 | 128.56 | 124.79 |
| 30 | A | 803 | CLA | C1-C2-C3 | -2.89 | 121.45 | 126.20 |
| 30 | 4 | 306 | CLA | CHC-C1C-C2C | -2.89 | 118.74 | 126.94 |
| 30 | 15 | 302 | CLA | CMC-C2C-C1C | 2.89 | 129.56 | 125.03 |
| 30 | 5 | 311 | CLA | CHC-C1C-C2C | -2.89 | 118.75 | 126.94 |
| 30 | 2 | 309 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.89 |
| 30 | B | 807 | CLA | C1-C2-C3 | -2.89 | 121.46 | 126.20 |
| 30 | B | 808 | CLA | O2D-CGD-O1D | -2.89 | 118.22 | 123.85 |
| 30 | 1 | 307 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.89 |
| 37 | 10 | 316 | A86 | C24-C1-C2 | -2.89 | 114.46 | 119.01 |
| 30 | B | 804 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.89 |
| 30 | 8 | 303 | CLA | C4C-C3C-C2C | -2.89 | 102.68 | 106.89 |
| 30 | 9 | 301 | CLA | C1-C2-C3 | -2.89 | 121.46 | 126.20 |
| 30 | B | 836 | CLA | CHC-C1C-C2C | -2.89 | 118.75 | 126.94 |
| 38 | 13 | 308 | KC1 | CHD-C4C-NC | 2.89 | 128.66 | 124.31 |
| 30 | A | 838 | CLA | CHC-C1C-C2C | -2.89 | 118.75 | 126.94 |
| 30 | A | 844 | CLA | CAC-C3C-C4C | 2.89 | 128.55 | 124.79 |
| 30 | 9 | 305 | CLA | CHC-C1C-C2C | -2.89 | 118.76 | 126.94 |
| 38 | 10 | 306 | KC1 | C4C-C3C-C2C | -2.89 | 102.69 | 106.89 |
| 38 | 7 | 308 | KC1 | CHD-C4C-NC | 2.89 | 128.66 | 124.31 |
| 30 | 7 | 311 | CLA | C4C-C3C-C2C | -2.89 | 102.69 | 106.89 |
| 30 | 10 | 305 | CLA | CAC-C3C-C4C | 2.89 | 128.55 | 124.79 |
| 34 | A | 853 | LHG | O8-C23-C24 | 2.89 | 119.92 | 111.15 |
| 30 | 14 | 302 | CLA | CHC-C1C-C2C | -2.89 | 118.76 | 126.94 |
| 30 | 6 | 314 | CLA | CHD-C4C-NC | 2.89 | 128.71 | 124.23 |
| 30 | 5 | 308 | CLA | CHD-C4C-NC | 2.89 | 128.71 | 124.23 |
| 30 | 15 | 303 | CLA | CHC-C1C-C2C | -2.89 | 118.76 | 126.94 |
| 37 | 11 | 314 | A86 | C12-C11-C13 | 2.89 | 120.68 | 116.00 |
| 30 | 14 | 307 | CLA | CMB-C2B-C3B | 2.89 | 130.45 | 124.68 |
| 33 | L | 204 | BCR | C15-C16-C17 | -2.89 | 117.61 | 123.52 |
| 30 | F | 202 | CLA | CAC-C3C-C4C | 2.89 | 128.54 | 124.79 |
| 30 | 11 | 308 | CLA | CHB-C4A-NA | 2.89 | 128.56 | 124.40 |
| 30 | A | 842 | CLA | C3B-C4B-NB | 2.89 | 112.94 | 109.21 |
| 37 | 12 | 316 | A86 | C3-C4-C5 | -2.88 | 117.62 | 123.52 |
| 30 | A | 828 | CLA | C4A-NA-C1A | -2.88 | 105.36 | 106.68 |
| 37 | 7 | 319 | A86 | C40-C32-C31 | -2.88 | 107.89 | 110.47 |
| 30 | 5 | 303 | CLA | CHC-C1C-C2C | -2.88 | 118.77 | 126.94 |
| 30 | B | 803 | CLA | C3B-C4B-NB | 2.88 | 112.94 | 109.21 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 2 | 303 | CLA | CMD-C2D-C1D | 2.88 | 129.81 | 124.73 |
| 30 | A | 816 | CLA | C4-C3-C5 | 2.88 | 120.23 | 115.23 |
| 30 | 8 | 301 | CLA | CHD-C4C-NC | 2.88 | 128.70 | 124.23 |
| 37 | 2 | 302 | A86 | C21-C20-C15 | -2.88 | 114.04 | 123.35 |
| 30 | 12 | 312 | CLA | CAC-C3C-C4C | 2.88 | 128.54 | 124.79 |
| 37 | 14 | 315 | A86 | C4-C3-C2 | -2.88 | 117.62 | 123.52 |
| 38 | 8 | 314 | KC1 | CHD-C4C-NC | 2.88 | 128.65 | 124.31 |
| 30 | A | 818 | CLA | C3B-C4B-NB | 2.88 | 112.94 | 109.21 |
| 30 | 10 | 304 | CLA | CAA-C2A-C3A | -2.88 | 105.21 | 113.00 |
| 30 | 14 | 303 | CLA | CHD-C4C-NC | 2.88 | 128.70 | 124.23 |
| 30 | A | 835 | CLA | CHD-C4C-NC | 2.88 | 128.70 | 124.23 |
| 38 | 6 | 312 | KC1 | C4C-C3C-C2C | -2.88 | 102.70 | 106.89 |
| 38 | 7 | 313 | KC1 | C4B-C3B-C2B | -2.88 | 104.32 | 106.81 |
| 30 | 10 | 303 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.89 |
| 30 | 14 | 305 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.89 |
| 37 | 2u | 205 | A86 | C19-C18-C17 | -2.88 | 105.41 | 110.79 |
| 30 | B | 808 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.89 |
| 30 | B | 817 | CLA | O2A-CGA-CBA | 2.88 | 120.61 | 111.83 |
| 30 | B | 806 | CLA | CMC-C2C-C1C | 2.88 | 129.53 | 125.03 |
| 37 | 6 | 320 | A86 | C12-C11-C13 | 2.88 | 120.67 | 116.00 |
| 30 | B | 835 | CLA | CHC-C1C-C2C | -2.88 | 118.79 | 126.94 |
| 30 | B | 820 | CLA | C4A-NA-C1A | -2.88 | 105.37 | 106.68 |
| 30 | B | 811 | CLA | CHC-C1C-C2C | -2.88 | 118.79 | 126.94 |
| 30 | 9 | 308 | CLA | CBA-CAA-C2A | 2.88 | 122.35 | 113.79 |
| 30 | A | 802 | CLA | CMC-C2C-C1C | 2.88 | 129.53 | 125.03 |
| 30 | 3 | 305 | CLA | C4-C3-C5 | 2.88 | 120.22 | 115.23 |
| 30 | A | 839 | CLA | CAA-C2A-C3A | -2.88 | 105.22 | 113.00 |
| 30 | B | 807 | CLA | C4C-C3C-C2C | -2.88 | 102.70 | 106.89 |
| 30 | A | 839 | CLA | O2A-CGA-CBA | 2.88 | 120.60 | 111.83 |
| 39 | 6 | 319 | DD6 | C25-C24-C1 | -2.88 | 118.48 | 126.36 |
| 30 | B | 804 | CLA | CHD-C4C-NC | 2.88 | 128.69 | 124.23 |
| 38 | 14 | 308 | KC1 | CMB-C2B-C1B | 2.88 | 129.79 | 124.73 |
| 38 | 3 | 304 | KC1 | C4C-C3C-C2C | -2.88 | 102.71 | 106.89 |
| 30 | 12 | 306 | CLA | CAC-C3C-C4C | 2.88 | 128.53 | 124.79 |
| 30 | 11 | 304 | CLA | C3B-C4B-NB | 2.88 | 112.93 | 109.21 |
| 30 | 7 | 310 | CLA | CHD-C4C-NC | 2.87 | 128.69 | 124.23 |
| 37 | 10 | 301 | A86 | C10-C9-C8 | -2.87 | 114.87 | 123.20 |
| 30 | 6 | 307 | CLA | C4-C3-C5 | 2.87 | 120.22 | 115.23 |
| 30 | 9 | 302 | CLA | O1D-CGD-CBD | -2.87 | 118.85 | 124.52 |
| 39 | 15 | 319 | DD6 | C21-C20-C19 | -2.87 | 111.01 | 114.24 |
| 37 | 5 | 316 | A86 | C26-C25-C24 | -2.87 | 114.87 | 123.20 |
| 30 | A | 841 | CLA | CAC-C3C-C4C | 2.87 | 128.53 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 11 | 314 | A86 | C4-C3-C2 | -2.87 | 117.64 | 123.52 |
| 30 | 3 | 306 | CLA | CAC-C3C-C4C | 2.87 | 128.53 | 124.79 |
| 30 | 13 | 307 | CLA | CAA-C2A-C3A | -2.87 | 105.24 | 113.00 |
| 30 | 12 | 304 | CLA | CMB-C2B-C3B | 2.87 | 130.42 | 124.68 |
| 37 | 12 | 314 | A86 | C9-C10-C11 | -2.87 | 118.52 | 126.64 |
| 30 | 15 | 304 | CLA | CED-O2D-CGD | 2.87 | 122.43 | 115.92 |
| 30 | 6 | 309 | CLA | CHD-C4C-NC | 2.87 | 128.68 | 124.23 |
| 30 | 6 | 304 | CLA | CBA-CAA-C2A | 2.87 | 122.33 | 113.79 |
| 30 | A | 843 | CLA | CAC-C3C-C4C | 2.87 | 128.53 | 124.79 |
| 38 | 13 | 310 | KC1 | CMC-C2C-C1C | 2.87 | 129.52 | 125.03 |
| 30 | 16 | 306 | CLA | CHC-C1C-C2C | -2.87 | 118.81 | 126.94 |
| 30 | 4 | 301 | CLA | C3B-C4B-NB | 2.87 | 112.92 | 109.21 |
| 38 | 13 | 312 | KC1 | CHD-C4C-NC | 2.87 | 128.63 | 124.31 |
| 30 | A | 803 | CLA | C3B-C4B-NB | 2.87 | 112.92 | 109.21 |
| 30 | 16 | 301 | CLA | CMC-C2C-C1C | 2.87 | 129.52 | 125.03 |
| 30 | 4 | 303 | CLA | C1-C2-C3 | -2.87 | 121.50 | 126.20 |
| 30 | 15 | 307 | CLA | C4C-C3C-C2C | -2.87 | 102.72 | 106.89 |
| 30 | B | 806 | CLA | CBC-CAC-C3C | -2.87 | 104.64 | 112.42 |
| 30 | 2 | 307 | CLA | CMA-C3A-C2A | -2.87 | 102.89 | 113.98 |
| 33 | A | 848 | BCR | C27-C26-C25 | 2.87 | 126.58 | 122.70 |
| 30 | 3 | 302 | CLA | CAA-C2A-C3A | -2.87 | 105.25 | 113.00 |
| 30 | 2 | 308 | CLA | C4C-C3C-C2C | -2.87 | 102.72 | 106.89 |
| 30 | B | 824 | CLA | O2A-CGA-CBA | 2.87 | 120.58 | 111.83 |
| 30 | 16 | 305 | CLA | C4A-NA-C1A | -2.87 | 105.37 | 106.68 |
| 30 | 14 | 310 | CLA | CAC-C3C-C4C | 2.87 | 128.52 | 124.79 |
| 30 | B | 819 | CLA | C1-C2-C3 | -2.87 | 121.50 | 126.20 |
| 30 | J | 101 | CLA | C3B-C4B-NB | 2.87 | 112.92 | 109.21 |
| 30 | B | 832 | CLA | CMA-C3A-C4A | -2.87 | 104.07 | 111.77 |
| 30 | 3 | 309 | CLA | CHC-C1C-C2C | -2.87 | 118.82 | 126.94 |
| 39 | 8 | 317 | DD6 | C12-C11-C13 | -2.87 | 113.71 | 118.09 |
| 37 | 8 | 315 | A86 | C25-C26-C27 | -2.87 | 123.26 | 127.28 |
| 30 | A | 805 | CLA | O2D-CGD-O1D | -2.87 | 118.27 | 123.85 |
| 30 | A | 809 | CLA | CHC-C1C-C2C | -2.87 | 118.83 | 126.94 |
| 37 | 16 | 312 | A86 | C21-C20-C15 | -2.87 | 114.10 | 123.35 |
| 30 | 12 | 302 | CLA | CBC-CAC-C3C | -2.87 | 104.65 | 112.42 |
| 30 | B | 822 | CLA | C4C-C3C-C2C | -2.87 | 102.72 | 106.89 |
| 37 | 4 | 314 | A86 | C23-C16-C17 | -2.86 | 103.93 | 108.97 |
| 30 | B | 822 | CLA | CHC-C1C-C2C | -2.86 | 118.83 | 126.94 |
| 38 | 9 | 311 | KC1 | O2D-CGD-O1D | -2.86 | 118.27 | 123.85 |
| 30 | 3 | 307 | CLA | C1-C2-C3 | -2.86 | 121.50 | 126.20 |
| 39 | 13 | 314 | DD6 | C25-C24-C1 | -2.86 | 118.51 | 126.36 |
| 30 | 12 | 310 | CLA | CHC-C1C-C2C | -2.86 | 118.83 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 310 | CLA | O2A-CGA-CBA | 2.86 | 120.56 | 111.83 |
| 30 | 14 | 307 | CLA | C3B-C4B-NB | 2.86 | 112.91 | 109.21 |
| 30 | A | 836 | CLA | C4C-C3C-C2C | -2.86 | 102.72 | 106.89 |
| 30 | 16 | 307 | CLA | C4C-C3C-C2C | -2.86 | 102.72 | 106.89 |
| 30 | A | 816 | CLA | CAC-C3C-C4C | 2.86 | 128.51 | 124.79 |
| 37 | 15 | 316 | A86 | C3-C4-C5 | -2.86 | 117.66 | 123.52 |
| 33 | B | 841 | BCR | C27-C26-C25 | 2.86 | 126.57 | 122.70 |
| 30 | 5 | 302 | CLA | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 39 | 12 | 317 | DD6 | C22-C16-C15 | 2.86 | 117.77 | 110.05 |
| 30 | 5 | 308 | CLA | C4-C3-C5 | 2.86 | 120.19 | 115.23 |
| 30 | 10 | 305 | CLA | CHD-C4C-NC | 2.86 | 128.67 | 124.23 |
| 38 | 12 | 309 | KC1 | CAA-CBA-CGA | -2.86 | 112.50 | 127.05 |
| 30 | 3 | 302 | CLA | CHC-C1C-C2C | -2.86 | 118.84 | 126.94 |
| 30 | B | 833 | CLA | C3B-C4B-NB | 2.86 | 112.91 | 109.21 |
| 30 | A | 842 | CLA | C4-C3-C5 | 2.86 | 120.19 | 115.23 |
| 30 | 14 | 307 | CLA | C1-C2-C3 | -2.86 | 121.51 | 126.20 |
| 30 | 12 | 308 | CLA | CAC-C3C-C4C | 2.86 | 128.51 | 124.79 |
| 30 | 15 | 309 | CLA | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 37 | 8 | 318 | A86 | C3-C4-C5 | 2.86 | 129.37 | 123.52 |
| 33 | L | 204 | BCR | C15-C14-C13 | -2.86 | 123.27 | 127.28 |
| 38 | 5 | 312 | KC1 | CMC-C2C-C1C | 2.86 | 129.50 | 125.03 |
| 30 | J | 101 | CLA | CHD-C4C-NC | 2.86 | 128.66 | 124.23 |
| 30 | 3 | 301 | CLA | CHD-C4C-NC | 2.86 | 128.66 | 124.23 |
| 30 | 12 | 306 | CLA | O2D-CGD-O1D | -2.86 | 118.28 | 123.85 |
| 30 | 12 | 312 | CLA | O2A-CGA-CBA | 2.86 | 120.55 | 111.83 |
| 30 | 16 | 309 | CLA | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 30 | 2 | 304 | CLA | O2D-CGD-O1D | -2.86 | 118.29 | 123.85 |
| 30 | 4 | 301 | CLA | O2D-CGD-O1D | -2.86 | 118.29 | 123.85 |
| 38 | 9 | 311 | KC1 | CHD-C4C-NC | 2.86 | 128.61 | 124.31 |
| 30 | 5 | 304 | CLA | CHB-C4A-NA | 2.86 | 128.52 | 124.40 |
| 30 | 7 | 303 | CLA | CHD-C4C-NC | 2.86 | 128.66 | 124.23 |
| 30 | 5 | 304 | CLA | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 38 | 6 | 308 | KC1 | C4B-C3B-C2B | -2.86 | 104.34 | 106.81 |
| 30 | A | 840 | CLA | CAA-C2A-C3A | -2.86 | 105.28 | 113.00 |
| 39 | 15 | 319 | DD6 | C14-C13-C11 | -2.86 | 121.10 | 125.53 |
| 30 | B | 839 | CLA | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 38 | 4 | 310 | KC1 | C4C-C3C-C2C | -2.86 | 102.73 | 106.89 |
| 38 | 11 | 305 | KC1 | CAC-C3C-C4C | 2.86 | 128.51 | 124.79 |
| 38 | 12 | 313 | KC1 | CMC-C2C-C1C | 2.86 | 129.50 | 125.03 |
| 37 | 15 | 316 | A86 | C25-C24-C1 | -2.85 | 118.53 | 126.36 |
| 37 | 8 | 318 | A86 | C36-C31-C32 | -2.85 | 116.86 | 119.70 |
| 30 | A | 824 | CLA | CHC-C1C-C2C | -2.85 | 118.86 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 5 | 302 | CLA | C3B-C4B-NB | 2.85 | 112.90 | 109.21 |
| 30 | 12 | 310 | CLA | C4C-C3C-C2C | -2.85 | 102.74 | 106.89 |
| 30 | 3 | 306 | CLA | O2A-CGA-CBA | 2.85 | 120.54 | 111.83 |
| 30 | 10 | 308 | CLA | CHC-C1C-C2C | -2.85 | 118.86 | 126.94 |
| 38 | 5 | 312 | KC1 | C4C-C3C-C2C | -2.85 | 102.74 | 106.89 |
| 30 | B | 817 | CLA | CAC-C3C-C4C | 2.85 | 128.50 | 124.79 |
| 30 | 11 | 304 | CLA | CHD-C4C-NC | 2.85 | 128.66 | 124.23 |
| 30 | 2 | 308 | CLA | O2A-CGA-CBA | 2.85 | 120.53 | 111.83 |
| 30 | A | 840 | CLA | CHC-C1C-C2C | -2.85 | 118.86 | 126.94 |
| 30 | B | 825 | CLA | C1-C2-C3 | -2.85 | 121.52 | 126.20 |
| 30 | 7 | 305 | CLA | O2D-CGD-O1D | -2.85 | 118.30 | 123.85 |
| 30 | 15 | 313 | CLA | C4C-C3C-C2C | -2.85 | 102.74 | 106.89 |
| 30 | B | 815 | CLA | CAA-C2A-C3A | -2.85 | 105.29 | 113.00 |
| 30 | 6 | 304 | CLA | C3B-C4B-NB | 2.85 | 112.89 | 109.21 |
| 30 | 2 | 301 | CLA | O2D-CGD-O1D | -2.85 | 118.30 | 123.85 |
| 30 | B | 806 | CLA | CHC-C1C-C2C | -2.85 | 118.87 | 126.94 |
| 30 | 11 | 308 | CLA | C4C-C3C-C2C | -2.85 | 102.74 | 106.89 |
| 30 | A | 844 | CLA | CHB-C4A-NA | 2.85 | 128.51 | 124.40 |
| 30 | 11 | 304 | CLA | CAC-C3C-C4C | 2.85 | 128.50 | 124.79 |
| 38 | 11 | 305 | KC1 | CHD-C4C-NC | 2.85 | 128.60 | 124.31 |
| 30 | B | 818 | CLA | CAA-C2A-C3A | -2.85 | 105.30 | 113.00 |
| 30 | 6 | 305 | CLA | CHD-C4C-NC | 2.85 | 128.65 | 124.23 |
| 33 | B | 841 | BCR | C15-C16-C17 | -2.85 | 117.69 | 123.52 |
| 30 | B | 837 | CLA | O2A-CGA-CBA | 2.85 | 120.52 | 111.83 |
| 30 | B | 839 | CLA | O1D-CGD-CBD | -2.85 | 118.90 | 124.52 |
| 30 | 12 | 321 | CLA | CHD-C4C-NC | 2.85 | 128.65 | 124.23 |
| 30 | B | 804 | CLA | CMB-C2B-C3B | 2.85 | 130.37 | 124.68 |
| 30 | 15 | 311 | CLA | C4C-C3C-C2C | -2.85 | 102.75 | 106.89 |
| 30 | B | 805 | CLA | CMB-C2B-C3B | 2.85 | 130.37 | 124.68 |
| 30 | 13 | 309 | CLA | CAC-C3C-C4C | 2.85 | 128.49 | 124.79 |
| 30 | 5 | 307 | CLA | C4C-C3C-C2C | -2.85 | 102.75 | 106.89 |
| 29 | A | 801 | CL0 | O2A-CGA-CBA | 2.85 | 120.51 | 111.83 |
| 37 | 15 | 320 | A86 | C25-C24-C1 | -2.85 | 118.56 | 126.36 |
| 30 | 2 | 311 | CLA | C4C-C3C-C2C | -2.85 | 102.75 | 106.89 |
| 37 | 13 | 313 | A86 | C25-C24-C1 | -2.85 | 118.56 | 126.36 |
| 38 | 9 | 304 | KC1 | CMB-C2B-C1B | 2.84 | 129.74 | 124.73 |
| 37 | 16 | 314 | A86 | C3-C4-C5 | -2.84 | 117.70 | 123.52 |
| 30 | 6 | 307 | CLA | C1-C2-C3 | -2.84 | 121.54 | 126.20 |
| 30 | 10 | 303 | CLA | CAC-C3C-C4C | 2.84 | 128.49 | 124.79 |
| 30 | A | 820 | CLA | C4C-C3C-C2C | -2.84 | 102.75 | 106.89 |
| 38 | 12 | 313 | KC1 | C4C-C3C-C2C | -2.84 | 102.75 | 106.89 |
| 30 | 5 | 304 | CLA | CHD-C4C-NC | 2.84 | 128.64 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | F | 202 | CLA | CAA-C2A-C3A | -2.84 | 105.31 | 113.00 |
| 30 | 3 | 301 | CLA | CAA-C2A-C3A | -2.84 | 105.31 | 113.00 |
| 30 | 6 | 304 | CLA | O2A-CGA-CBA | 2.84 | 120.51 | 111.83 |
| 38 | 5 | 305 | KC1 | C4C-C3C-C2C | -2.84 | 102.75 | 106.89 |
| 30 | 2 | 304 | CLA | CAC-C3C-C4C | 2.84 | 128.49 | 124.79 |
| 39 | 6 | 318 | DD6 | C9-C8-C6 | -2.84 | 118.57 | 126.36 |
| 30 | L | 202 | CLA | C4C-C3C-C2C | -2.84 | 102.75 | 106.89 |
| 30 | 9 | 303 | CLA | CHC-C1C-C2C | -2.84 | 118.89 | 126.94 |
| 30 | B | 821 | CLA | CAC-C3C-C4C | 2.84 | 128.49 | 124.79 |
| 30 | A | 843 | CLA | CMA-C3A-C2A | -2.84 | 103.00 | 113.98 |
| 30 | A | 813 | CLA | CHD-C4C-NC | 2.84 | 128.64 | 124.23 |
| 30 | 2 | 308 | CLA | CMB-C2B-C3B | 2.84 | 130.36 | 124.68 |
| 38 | 8 | 307 | KC1 | C4C-C3C-C2C | -2.84 | 102.76 | 106.89 |
| 30 | 1 | 305 | CLA | O2A-CGA-CBA | 2.84 | 120.50 | 111.83 |
| 39 | 2 | 316 | DD6 | C37-C36-C35 | -2.84 | 109.20 | 114.42 |
| 30 | 10 | 305 | CLA | C4C-C3C-C2C | -2.84 | 102.76 | 106.89 |
| 30 | 3 | 301 | CLA | CBC-CAC-C3C | -2.84 | 104.72 | 112.42 |
| 30 | 5 | 311 | CLA | C4-C3-C5 | 2.84 | 120.16 | 115.23 |
| 30 | B | 807 | CLA | CHC-C1C-C2C | -2.84 | 118.90 | 126.94 |
| 30 | 15 | 314 | CLA | CHC-C1C-C2C | -2.84 | 118.90 | 126.94 |
| 30 | A | 840 | CLA | CMC-C2C-C1C | 2.84 | 129.47 | 125.03 |
| 30 | B | 816 | CLA | O2D-CGD-O1D | -2.84 | 118.33 | 123.85 |
| 30 | 8 | 302 | CLA | CHC-C1C-C2C | -2.84 | 118.91 | 126.94 |
| 30 | 3 | 302 | CLA | C4C-C3C-C2C | -2.84 | 102.76 | 106.89 |
| 30 | 7 | 312 | CLA | C4C-C3C-C2C | -2.84 | 102.76 | 106.89 |
| 30 | 16 | 301 | CLA | CHC-C1C-C2C | -2.84 | 118.91 | 126.94 |
| 30 | A | 833 | CLA | CHC-C1C-C2C | -2.83 | 118.91 | 126.94 |
| 30 | A | 837 | CLA | C4C-C3C-C2C | -2.83 | 102.77 | 106.89 |
| 30 | A | 813 | CLA | O2D-CGD-O1D | -2.83 | 118.33 | 123.85 |
| 30 | 4 | 305 | CLA | C4-C3-C5 | 2.83 | 120.15 | 115.23 |
| 30 | 4 | 304 | CLA | CHC-C1C-C2C | -2.83 | 118.92 | 126.94 |
| 30 | 14 | 313 | CLA | C4C-C3C-C2C | -2.83 | 102.77 | 106.89 |
| 30 | 3 | 306 | CLA | CHC-C1C-C2C | -2.83 | 118.92 | 126.94 |
| 30 | B | 832 | CLA | CMB-C2B-C3B | 2.83 | 130.34 | 124.68 |
| 39 | 8 | 317 | DD6 | C15-C14-C13 | -2.83 | 120.00 | 125.99 |
| 30 | A | 802 | CLA | C1B-CHB-C4A | -2.83 | 124.64 | 130.04 |
| 38 | 6 | 311 | KC1 | C4C-C3C-C2C | -2.83 | 102.77 | 106.89 |
| 30 | A | 828 | CLA | CHC-C1C-C2C | -2.83 | 118.92 | 126.94 |
| 39 | 2 | 317 | DD6 | C19-C18-C17 | 2.83 | 116.09 | 110.79 |
| 38 | 13 | 312 | KC1 | CAC-C3C-C4C | 2.83 | 128.47 | 124.79 |
| 30 | A | 818 | CLA | CAC-C3C-C4C | 2.83 | 128.47 | 124.79 |
| 30 | 13 | 302 | CLA | CAC-C3C-C4C | 2.83 | 128.47 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 33 | F | 204 | BCR | C27-C26-C25 | 2.83 | 126.53 | 122.70 |
| 38 | 12 | 305 | KC1 | C4C-C3C-C2C | -2.83 | 102.77 | 106.89 |
| 37 | 13 | 315 | A86 | C12-C11-C10 | -2.83 | 116.79 | 123.67 |
| 30 | A | 810 | CLA | C4A-NA-C1A | -2.83 | 105.39 | 106.68 |
| 30 | 2 | 311 | CLA | CHC-C1C-C2C | -2.83 | 118.93 | 126.94 |
| 30 | B | 825 | CLA | CHD-C4C-NC | 2.83 | 128.62 | 124.23 |
| 30 | B | 837 | CLA | CHD-C4C-NC | 2.83 | 128.62 | 124.23 |
| 30 | 16 | 306 | CLA | CMA-C3A-C2A | -2.83 | 103.05 | 113.98 |
| 30 | 3 | 309 | CLA | C4C-C3C-C2C | -2.83 | 102.78 | 106.89 |
| 30 | 12 | 310 | CLA | CHD-C4C-NC | 2.83 | 128.62 | 124.23 |
| 39 | 5 | 314 | DD6 | C25-C24-C1 | -2.83 | 118.61 | 126.36 |
| 30 | 15 | 314 | CLA | CMC-C2C-C1C | 2.83 | 129.45 | 125.03 |
| 30 | 14 | 309 | CLA | C4C-C3C-C2C | -2.83 | 102.78 | 106.89 |
| 30 | A | 809 | CLA | CHD-C4C-NC | 2.83 | 128.61 | 124.23 |
| 30 | 16 | 310 | CLA | CHD-C4C-NC | 2.83 | 128.61 | 124.23 |
| 30 | 6 | 306 | CLA | CHC-C1C-C2C | -2.83 | 118.94 | 126.94 |
| 30 | 8 | 301 | CLA | CHB-C4A-NA | 2.83 | 128.48 | 124.40 |
| 30 | F | 203 | CLA | CHC-C1C-C2C | -2.83 | 118.94 | 126.94 |
| 30 | 5 | 302 | CLA | CAC-C3C-C4C | 2.83 | 128.47 | 124.79 |
| 38 | 9 | 310 | KC1 | CAC-C3C-C4C | 2.83 | 128.47 | 124.79 |
| 30 | A | 816 | CLA | CHD-C4C-NC | 2.82 | 128.61 | 124.23 |
| 30 | A | 839 | CLA | CHD-C4C-NC | 2.82 | 128.61 | 124.23 |
| 30 | A | 830 | CLA | CAC-C3C-C4C | 2.82 | 128.47 | 124.79 |
| 30 | B | 824 | CLA | CAC-C3C-C4C | 2.82 | 128.47 | 124.79 |
| 30 | 4 | 306 | CLA | CAC-C3C-C4C | 2.82 | 128.47 | 124.79 |
| 30 | 4 | 302 | CLA | C4C-C3C-C2C | -2.82 | 102.78 | 106.89 |
| 30 | 8 | 302 | CLA | C4-C3-C5 | 2.82 | 120.13 | 115.23 |
| 30 | B | 826 | CLA | O1D-CGD-CBD | -2.82 | 118.95 | 124.52 |
| 30 | 8 | 304 | CLA | CHD-C4C-NC | 2.82 | 128.61 | 124.23 |
| 30 | 15 | 313 | CLA | O2A-CGA-CBA | 2.82 | 120.44 | 111.83 |
| 38 | 11 | 305 | KC1 | C4C-C3C-C2C | -2.82 | 102.78 | 106.89 |
| 30 | A | 839 | CLA | CAC-C3C-C4C | 2.82 | 128.46 | 124.79 |
| 30 | 13 | 307 | CLA | C4C-C3C-C2C | -2.82 | 102.78 | 106.89 |
| 30 | 4 | 309 | CLA | CAC-C3C-C4C | 2.82 | 128.46 | 124.79 |
| 38 | 8 | 313 | KC1 | CAC-C3C-C4C | 2.82 | 128.46 | 124.79 |
| 30 | 7 | 305 | CLA | CHB-C4A-NA | 2.82 | 128.47 | 124.40 |
| 37 | 12 | 314 | A86 | C21-C20-C15 | -2.82 | 114.24 | 123.35 |
| 30 | A | 807 | CLA | C3B-C4B-NB | 2.82 | 112.86 | 109.21 |
| 30 | 11 | 306 | CLA | CMC-C2C-C1C | 2.82 | 129.44 | 125.03 |
| 30 | 4 | 305 | CLA | C4C-C3C-C2C | -2.82 | 102.78 | 106.89 |
| 30 | 16 | 301 | CLA | CAC-C3C-C4C | 2.82 | 128.46 | 124.79 |
| 30 | 12 | 308 | CLA | CHD-C4C-NC | 2.82 | 128.60 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 12 | 314 | A86 | C-C1-C24 | 2.82 | 122.40 | 118.09 |
| 30 | 10 | 309 | CLA | O2A-CGA-CBA | 2.82 | 120.43 | 111.83 |
| 37 | 13 | 315 | A86 | C35-C34-C33 | 2.82 | 114.95 | 109.89 |
| 30 | 9 | 303 | CLA | O2A-CGA-CBA | 2.82 | 120.43 | 111.83 |
| 37 | 9 | 315 | A86 | C36-C31-C32 | -2.82 | 116.90 | 119.70 |
| 30 | 4 | 306 | CLA | C4C-C3C-C2C | -2.82 | 102.79 | 106.89 |
| 30 | 9 | 302 | CLA | CAA-C2A-C3A | -2.82 | 105.38 | 113.00 |
| 30 | 13 | 307 | CLA | O2A-CGA-CBA | 2.82 | 120.43 | 111.83 |
| 38 | 13 | 308 | KC1 | C4C-C3C-C2C | -2.82 | 102.79 | 106.89 |
| 37 | 15 | 316 | A86 | C34-O4-C38 | -2.82 | 112.87 | 117.85 |
| 30 | B | 837 | CLA | CHC-C1C-C2C | -2.82 | 118.97 | 126.94 |
| 30 | 6 | 307 | CLA | C4C-C3C-C2C | -2.81 | 102.79 | 106.89 |
| 38 | 13 | 308 | KC1 | CAC-C3C-C4C | 2.81 | 128.45 | 124.79 |
| 37 | 16 | 314 | A86 | C21-C20-C15 | -2.81 | 114.27 | 123.35 |
| 30 | 1 | 302 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 33 | B | 844 | BCR | C15-C14-C13 | -2.81 | 123.33 | 127.28 |
| 30 | 15 | 313 | CLA | CAA-C2A-C3A | -2.81 | 105.40 | 113.00 |
| 30 | B | 814 | CLA | CHD-C4C-NC | 2.81 | 128.59 | 124.23 |
| 30 | 12 | 321 | CLA | O2A-CGA-CBA | 2.81 | 120.41 | 111.83 |
| 30 | B | 838 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 30 | 3 | 303 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 37 | 9 | 313 | A86 | C7-C6-C8 | 2.81 | 122.39 | 118.09 |
| 37 | 5 | 315 | A86 | C10-C9-C8 | -2.81 | 115.05 | 123.20 |
| 30 | 2 | 310 | CLA | CHD-C4C-NC | 2.81 | 128.59 | 124.23 |
| 30 | 5 | 309 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 34 | A | 852 | LHG | O8-C23-C24 | 2.81 | 120.41 | 111.83 |
| 30 | 2 | 303 | CLA | C3D-C2D-C1D | -2.81 | 101.99 | 105.83 |
| 39 | 8 | 317 | DD6 | C25-C24-C1 | -2.81 | 118.65 | 126.36 |
| 30 | 2 | 304 | CLA | O2A-CGA-CBA | 2.81 | 120.41 | 111.83 |
| 30 | 6 | 304 | CLA | CHC-C1C-C2C | -2.81 | 118.98 | 126.94 |
| 30 | 2 | 305 | CLA | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 38 | 9 | 311 | KC1 | C4C-C3C-C2C | -2.81 | 102.80 | 106.89 |
| 30 | A | 815 | CLA | C1-C2-C3 | -2.81 | 121.59 | 126.20 |
| 38 | 9 | 310 | KC1 | CHD-C4C-NC | 2.81 | 128.54 | 124.31 |
| 30 | 12 | 308 | CLA | O2A-CGA-CBA | 2.81 | 120.40 | 111.83 |
| 30 | B | 819 | CLA | CHD-C1D-ND | -2.81 | 120.85 | 124.80 |
| 30 | L | 202 | CLA | CHC-C1C-C2C | -2.81 | 118.98 | 126.94 |
| 30 | 10 | 305 | CLA | C4-C3-C5 | 2.81 | 120.11 | 115.23 |
| 30 | 11 | 310 | CLA | C1-C2-C3 | -2.81 | 121.59 | 126.20 |
| 30 | B | 851 | CLA | C4-C3-C5 | 2.81 | 120.10 | 115.23 |
| 37 | 11 | 314 | A86 | C35-C34-C33 | 2.81 | 114.93 | 109.89 |
| 37 | 2u | 203 | A86 | C40-C32-C31 | -2.81 | 107.96 | 110.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 829 | CLA | C4-C3-C5 | 2.81 | 120.10 | 115.23 |
| 30 | 9 | 308 | CLA | O1D-CGD-CBD | -2.81 | 118.98 | 124.52 |
| 30 | 14 | 313 | CLA | O2D-CGD-O1D | -2.81 | 118.38 | 123.85 |
| 30 | 12 | 306 | CLA | C4C-C3C-C2C | -2.81 | 102.81 | 106.89 |
| 30 | 2 | 307 | CLA | CHB-C4A-NA | 2.81 | 128.45 | 124.40 |
| 38 | 14 | 306 | KC1 | CMC-C2C-C1C | 2.81 | 129.42 | 125.03 |
| 30 | 7 | 304 | CLA | CHD-C4C-NC | 2.81 | 128.58 | 124.23 |
| 30 | 12 | 303 | CLA | CHD-C4C-NC | 2.81 | 128.58 | 124.23 |
| 30 | 12 | 307 | CLA | C3B-C4B-NB | 2.80 | 112.84 | 109.21 |
| 38 | 8 | 314 | KC1 | CMB-C2B-C1B | 2.80 | 129.67 | 124.73 |
| 30 | 14 | 310 | CLA | CHB-C4A-NA | 2.80 | 128.45 | 124.40 |
| 30 | 2 | 307 | CLA | CBC-CAC-C3C | -2.80 | 104.82 | 112.42 |
| 30 | 5 | 302 | CLA | CBC-CAC-C3C | -2.80 | 104.82 | 112.42 |
| 29 | A | 801 | CL0 | CHD-C4C-NC | 2.80 | 128.58 | 124.23 |
| 39 | 11 | 313 | DD6 | C19-C18-C17 | 2.80 | 116.03 | 110.79 |
| 30 | A | 842 | CLA | CHC-C1C-C2C | -2.80 | 119.00 | 126.94 |
| 30 | 15 | 311 | CLA | CHD-C4C-NC | 2.80 | 128.58 | 124.23 |
| 30 | 14 | 310 | CLA | C4C-C3C-C2C | -2.80 | 102.81 | 106.89 |
| 30 | 11 | 304 | CLA | CHC-C1C-C2C | -2.80 | 119.00 | 126.94 |
| 30 | 11 | 310 | CLA | O2A-CGA-CBA | 2.80 | 120.38 | 111.83 |
| 30 | A | 844 | CLA | C4C-C3C-C2C | -2.80 | 102.81 | 106.89 |
| 30 | 15 | 302 | CLA | C4C-C3C-C2C | -2.80 | 102.81 | 106.89 |
| 38 | 8 | 310 | KC1 | CAC-C3C-C4C | 2.80 | 128.44 | 124.79 |
| 30 | A | 808 | CLA | O2A-CGA-CBA | 2.80 | 120.38 | 111.83 |
| 37 | 14 | 319 | A86 | C21-C20-C15 | -2.80 | 114.31 | 123.35 |
| 30 | 3 | 305 | CLA | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 30 | A | 810 | CLA | CAA-CBA-CGA | -2.80 | 105.26 | 113.21 |
| 30 | 8 | 308 | CLA | CHC-C1C-C2C | -2.80 | 119.01 | 126.94 |
| 30 | 15 | 309 | CLA | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 30 | 16 | 305 | CLA | C4C-C3C-C2C | -2.80 | 102.82 | 106.89 |
| 38 | 11 | 311 | KC1 | CAA-CBA-CGA | -2.80 | 112.81 | 127.05 |
| 38 | 4 | 308 | KC1 | CHD-C4C-NC | 2.80 | 128.53 | 124.31 |
| 38 | 13 | 310 | KC1 | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 30 | 10 | 307 | CLA | C1-C2-C3 | -2.80 | 121.61 | 126.20 |
| 30 | A | 808 | CLA | CHD-C4C-NC | 2.80 | 128.57 | 124.23 |
| 30 | B | 838 | CLA | CHD-C4C-NC | 2.80 | 128.57 | 124.23 |
| 30 | B | 827 | CLA | O2A-CGA-CBA | 2.80 | 120.37 | 111.83 |
| 30 | 4 | 305 | CLA | CHC-C1C-C2C | -2.80 | 119.02 | 126.94 |
| 30 | B | 818 | CLA | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 30 | B | 808 | CLA | CHD-C4C-NC | 2.80 | 128.57 | 124.23 |
| 30 | 15 | 307 | CLA | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 39 | 5 | 313 | DD6 | C25-C24-C1 | -2.80 | 118.69 | 126.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 5 | 312 | KC1 | CBA-CAA-C2A | -2.80 | 114.23 | 125.45 |
| 30 | F | 203 | CLA | CAA-C2A-C3A | -2.80 | 105.44 | 113.00 |
| 30 | F | 203 | CLA | C4C-C3C-C2C | -2.80 | 102.82 | 106.89 |
| 30 | A | 841 | CLA | CHD-C4C-NC | 2.80 | 128.57 | 124.23 |
| 30 | A | 841 | CLA | C3B-C4B-NB | 2.80 | 112.83 | 109.21 |
| 30 | 5 | 308 | CLA | CMC-C2C-C1C | 2.80 | 129.40 | 125.03 |
| 39 | 13 | 314 | DD6 | C9-C8-C6 | -2.80 | 118.70 | 126.36 |
| 38 | 14 | 311 | KC1 | CAC-C3C-C4C | 2.80 | 128.43 | 124.79 |
| 39 | 2 | 316 | DD6 | C3-C4-C5 | -2.80 | 117.80 | 123.52 |
| 30 | 4 | 305 | CLA | CHD-C4C-NC | 2.79 | 128.56 | 124.23 |
| 30 | 7 | 305 | CLA | O1D-CGD-CBD | -2.79 | 119.01 | 124.52 |
| 33 | A | 851 | BCR | C15-C16-C17 | -2.79 | 117.81 | 123.52 |
| 30 | A | 808 | CLA | CMC-C2C-C1C | 2.79 | 129.40 | 125.03 |
| 30 | 2u | 202 | CLA | C1-C2-C3 | -2.79 | 121.62 | 126.20 |
| 30 | 10 | 307 | CLA | CHD-C4C-NC | 2.79 | 128.56 | 124.23 |
| 30 | 10 | 307 | CLA | CHC-C1C-C2C | -2.79 | 119.03 | 126.94 |
| 30 | B | 834 | CLA | O2D-CGD-O1D | -2.79 | 118.42 | 123.85 |
| 30 | 14 | 312 | CLA | CAC-C3C-C4C | 2.79 | 128.42 | 124.79 |
| 30 | 11 | 308 | CLA | CHD-C4C-NC | 2.79 | 128.56 | 124.23 |
| 30 | 13 | 303 | CLA | C4C-C3C-C2C | -2.79 | 102.83 | 106.89 |
| 39 | 12 | 315 | DD6 | O1-C20-C21 | -2.79 | 111.93 | 115.05 |
| 30 | A | 844 | CLA | CHD-C4C-NC | 2.79 | 128.55 | 124.23 |
| 30 | 16 | 305 | CLA | CHB-C4A-NA | 2.79 | 128.42 | 124.40 |
| 39 | 15 | 318 | DD6 | C32-C33-C34 | 2.79 | 119.71 | 113.59 |
| 30 | 5 | 307 | CLA | CAC-C3C-C4C | 2.79 | 128.41 | 124.79 |
| 30 | 6 | 309 | CLA | CBC-CAC-C3C | -2.79 | 104.87 | 112.42 |
| 30 | L | 202 | CLA | O2D-CGD-O1D | -2.79 | 118.42 | 123.85 |
| 30 | A | 833 | CLA | CHD-C4C-NC | 2.79 | 128.55 | 124.23 |
| 38 | 6 | 313 | KC1 | CMB-C2B-C1B | 2.79 | 129.63 | 124.73 |
| 30 | 11 | 304 | CLA | C4-C3-C5 | 2.79 | 120.06 | 115.23 |
| 33 | B | 843 | BCR | C15-C16-C17 | -2.79 | 117.82 | 123.52 |
| 36 | B | 847 | LMG | O1-C7-C8 | -2.79 | 104.04 | 110.82 |
| 30 | 4 | 303 | CLA | O2D-CGD-O1D | -2.79 | 118.43 | 123.85 |
| 38 | 9 | 310 | KC1 | CMB-C2B-C1B | 2.78 | 129.63 | 124.73 |
| 30 | 13 | 307 | CLA | CHD-C4C-NC | 2.78 | 128.55 | 124.23 |
| 30 | 15 | 313 | CLA | C4-C3-C5 | 2.78 | 120.06 | 115.23 |
| 30 | B | 814 | CLA | O2D-CGD-O1D | -2.78 | 118.43 | 123.85 |
| 30 | 9 | 308 | CLA | O2D-CGD-O1D | -2.78 | 118.43 | 123.85 |
| 30 | 1 | 303 | CLA | CHC-C1C-C2C | -2.78 | 119.06 | 126.94 |
| 38 | 13 | 311 | KC1 | C4C-C3C-C2C | -2.78 | 102.84 | 106.89 |
| 30 | A | 843 | CLA | CBC-CAC-C3C | -2.78 | 104.88 | 112.42 |
| 39 | 6 | 318 | DD6 | C37-C36-C35 | -2.78 | 109.30 | 114.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 810 | CLA | O2D-CGD-O1D | -2.78 | 118.43 | 123.85 |
| 30 | 9 | 305 | CLA | CAC-C3C-C4C | 2.78 | 128.41 | 124.79 |
| 30 | 5 | 308 | CLA | CBC-CAC-C3C | -2.78 | 104.88 | 112.42 |
| 30 | B | 801 | CLA | CMC-C2C-C1C | 2.78 | 129.38 | 125.03 |
| 30 | 5 | 309 | CLA | CHD-C4C-NC | 2.78 | 128.54 | 124.23 |
| 30 | 9 | 301 | CLA | O1D-CGD-CBD | -2.78 | 119.03 | 124.52 |
| 30 | B | 804 | CLA | C1-C2-C3 | -2.78 | 121.64 | 126.20 |
| 39 | 16 | 313 | DD6 | C23-C16-C15 | -2.78 | 102.54 | 110.05 |
| 30 | 6 | 315 | CLA | C4C-C3C-C2C | -2.78 | 102.84 | 106.89 |
| 39 | 15 | 318 | DD6 | C19-C18-C17 | 2.78 | 115.99 | 110.79 |
| 30 | 12 | 302 | CLA | O2A-CGA-O1A | -2.78 | 116.67 | 123.63 |
| 39 | 2 | 317 | DD6 | C37-C36-C35 | -2.78 | 109.31 | 114.42 |
| 30 | B | 826 | CLA | CAC-C3C-C4C | 2.78 | 128.41 | 124.79 |
| 30 | B | 835 | CLA | O2A-CGA-O1A | -2.78 | 116.68 | 123.63 |
| 30 | A | 802 | CLA | CHA-C1A-NA | -2.78 | 120.10 | 126.39 |
| 37 | 9 | 315 | A86 | C9-C8-C6 | -2.78 | 118.74 | 126.36 |
| 30 | B | 837 | CLA | CMB-C2B-C3B | 2.78 | 130.23 | 124.68 |
| 37 | 16 | 312 | A86 | C35-C34-C33 | 2.78 | 114.88 | 109.89 |
| 38 | 5 | 310 | KC1 | CHD-C4C-NC | 2.78 | 128.49 | 124.31 |
| 30 | 12 | 304 | CLA | C4C-C3C-C2C | -2.78 | 102.85 | 106.89 |
| 30 | 12 | 308 | CLA | C1-C2-C3 | -2.78 | 121.65 | 126.20 |
| 31 | B | 840 | PQN | C11-C3-C2 | -2.78 | 120.13 | 124.89 |
| 38 | 8 | 307 | KC1 | CAA-CBA-CGA | -2.78 | 112.93 | 127.05 |
| 33 | A | 847 | BCR | C27-C26-C25 | 2.78 | 126.45 | 122.70 |
| 30 | A | 825 | CLA | O2D-CGD-O1D | -2.78 | 118.44 | 123.85 |
| 30 | 4 | 305 | CLA | O2D-CGD-O1D | -2.78 | 118.44 | 123.85 |
| 29 | A | 801 | CL0 | CGD-CBD-CAD | -2.78 | 101.86 | 110.85 |
| 30 | A | 832 | CLA | C1-C2-C3 | -2.78 | 122.27 | 126.76 |
| 38 | 4 | 308 | KC1 | C4C-C3C-C2C | -2.78 | 102.85 | 106.89 |
| 30 | F | 202 | CLA | CHC-C1C-C2C | -2.77 | 119.08 | 126.94 |
| 30 | 6 | 309 | CLA | C4C-C3C-C2C | -2.77 | 102.85 | 106.89 |
| 30 | A | 843 | CLA | CHD-C4C-NC | 2.77 | 128.53 | 124.23 |
| 30 | B | 833 | CLA | CHD-C4C-NC | 2.77 | 128.53 | 124.23 |
| 37 | 11 | 301 | A86 | C21-C20-C15 | -2.77 | 114.40 | 123.35 |
| 37 | 14 | 318 | A86 | C4-C3-C2 | -2.77 | 117.85 | 123.52 |
| 30 | 15 | 302 | CLA | C3B-C4B-NB | 2.77 | 112.79 | 109.21 |
| 38 | 2 | 306 | KC1 | CHD-C4C-NC | 2.77 | 128.49 | 124.31 |
| 38 | 11 | 311 | KC1 | CHD-C4C-NC | 2.77 | 128.49 | 124.31 |
| 30 | 5 | 307 | CLA | C1-C2-C3 | -2.77 | 121.66 | 126.20 |
| 30 | 7 | 312 | CLA | CAC-C3C-C4C | 2.77 | 128.40 | 124.79 |
| 30 | B | 823 | CLA | CHD-C4C-NC | 2.77 | 128.53 | 124.23 |
| 38 | 3 | 308 | KC1 | C4C-C3C-C2C | -2.77 | 102.86 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 4 | 315 | A86 | C21-C20-C15 | -2.77 | 114.41 | 123.35 |
| 30 | A | 812 | CLA | CAC-C3C-C4C | 2.77 | 128.39 | 124.79 |
| 30 | A | 827 | CLA | C1-C2-C3 | -2.77 | 121.66 | 126.20 |
| 30 | A | 828 | CLA | O2A-CGA-CBA | 2.77 | 120.28 | 111.83 |
| 30 | A | 829 | CLA | CHC-C1C-C2C | -2.77 | 119.10 | 126.94 |
| 33 | A | 851 | BCR | C24-C23-C22 | -2.77 | 122.14 | 126.23 |
| 30 | B | 810 | CLA | CHD-C4C-NC | 2.77 | 128.52 | 124.23 |
| 30 | 4 | 304 | CLA | CAC-C3C-C4C | 2.77 | 128.39 | 124.79 |
| 30 | 8 | 308 | CLA | C3B-C4B-NB | 2.77 | 112.79 | 109.21 |
| 36 | 2u | 204 | LMG | O6-C1-O1 | -2.77 | 103.50 | 110.04 |
| 30 | A | 844 | CLA | CMA-C3A-C2A | -2.77 | 103.29 | 113.98 |
| 30 | 16 | 305 | CLA | CHD-C4C-NC | 2.77 | 128.52 | 124.23 |
| 30 | A | 827 | CLA | C4C-C3C-C2C | -2.77 | 102.87 | 106.89 |
| 30 | 8 | 304 | CLA | C1-C2-C3 | -2.77 | 121.67 | 126.20 |
| 30 | 1 | 307 | CLA | CAC-C3C-C4C | 2.77 | 128.39 | 124.79 |
| 30 | 2 | 309 | CLA | CHD-C4C-NC | 2.77 | 128.52 | 124.23 |
| 30 | 7 | 310 | CLA | C3B-C4B-NB | 2.77 | 112.78 | 109.21 |
| 30 | B | 821 | CLA | C4C-C3C-C2C | -2.76 | 102.87 | 106.89 |
| 30 | B | 832 | CLA | CHD-C4C-NC | 2.76 | 128.52 | 124.23 |
| 37 | 4 | 314 | A86 | C-C1-C2 | -2.76 | 118.34 | 122.82 |
| 38 | 5 | 306 | KC1 | CHD-C4C-NC | 2.76 | 128.47 | 124.31 |
| 38 | 14 | 308 | KC1 | CAA-CBA-CGA | -2.76 | 113.00 | 127.05 |
| 30 | 7 | 311 | CLA | O2D-CGD-O1D | -2.76 | 118.47 | 123.85 |
| 30 | B | 804 | CLA | CHC-C1C-C2C | -2.76 | 119.12 | 126.94 |
| 39 | 2 | 316 | DD6 | C25-C24-C1 | -2.76 | 118.79 | 126.36 |
| 30 | A | 804 | CLA | O2D-CGD-O1D | -2.76 | 118.47 | 123.85 |
| 37 | 7 | 319 | A86 | C23-C16-C17 | -2.76 | 104.11 | 108.97 |
| 38 | 9 | 311 | KC1 | CAC-C3C-C4C | 2.76 | 128.38 | 124.79 |
| 38 | 8 | 307 | KC1 | CBC-CAC-C3C | -2.76 | 104.93 | 112.42 |
| 30 | B | 811 | CLA | CMB-C2B-C3B | 2.76 | 130.20 | 124.68 |
| 39 | 6 | 303 | DD6 | C19-C18-C17 | 2.76 | 115.95 | 110.79 |
| 30 | 7 | 311 | CLA | O2A-CGA-CBA | 2.76 | 120.25 | 111.83 |
| 30 | 12 | 302 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 30 | 14 | 307 | CLA | CHC-C1C-C2C | -2.76 | 119.12 | 126.94 |
| 30 | 4 | 305 | CLA | O2A-CGA-CBA | 2.76 | 120.25 | 111.83 |
| 30 | 5 | 304 | CLA | CAC-C3C-C4C | 2.76 | 128.38 | 124.79 |
| 30 | 7 | 309 | CLA | C4C-C3C-C2C | -2.76 | 102.87 | 106.89 |
| 38 | 7 | 313 | KC1 | C4C-C3C-C2C | -2.76 | 102.87 | 106.89 |
| 30 | A | 830 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 38 | 11 | 312 | KC1 | C1A-NA-C4A | -2.76 | 105.42 | 106.68 |
| 30 | 7 | 305 | CLA | C1-C2-C3 | -2.76 | 121.68 | 126.20 |
| 30 | 4 | 311 | CLA | C1-C2-C3 | -2.76 | 122.30 | 126.76 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 828 | CLA | CMB-C2B-C1B | -2.76 | 124.42 | 128.46 |
| 30 | B | 803 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 30 | 4 | 311 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 38 | 9 | 304 | KC1 | C4C-C3C-C2C | -2.76 | 102.88 | 106.89 |
| 30 | 2 | 313 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 30 | B | 851 | CLA | CHC-C1C-C2C | -2.76 | 119.13 | 126.94 |
| 30 | 10 | 304 | CLA | CHD-C4C-NC | 2.76 | 128.51 | 124.23 |
| 38 | 3 | 304 | KC1 | CAC-C3C-C4C | 2.76 | 128.38 | 124.79 |
| 37 | 7 | 316 | A86 | C40-C32-C31 | -2.76 | 108.01 | 110.47 |
| 30 | 11 | 310 | CLA | CAA-C2A-C3A | -2.76 | 105.55 | 113.00 |
| 30 | 15 | 308 | CLA | CAA-C2A-C3A | -2.76 | 105.55 | 113.00 |
| 30 | 10 | 308 | CLA | C4C-C3C-C2C | -2.76 | 102.88 | 106.89 |
| 30 | 12 | 302 | CLA | CHC-C1C-C2C | -2.76 | 119.14 | 126.94 |
| 29 | A | 801 | CL0 | CBC-CAC-C3C | -2.75 | 104.95 | 112.42 |
| 36 | 8 | 319 | LMG | O6-C1-O1 | -2.75 | 103.54 | 110.04 |
| 30 | B | 832 | CLA | CAC-C3C-C4C | 2.75 | 128.37 | 124.79 |
| 37 | 8 | 318 | A86 | C26-C25-C24 | -2.75 | 115.22 | 123.20 |
| 30 | A | 841 | CLA | C1-C2-C3 | -2.75 | 121.69 | 126.20 |
| 30 | 6 | 310 | CLA | C1-C2-C3 | -2.75 | 121.69 | 126.20 |
| 30 | 4 | 309 | CLA | CHD-C4C-NC | 2.75 | 128.50 | 124.23 |
| 30 | A | 825 | CLA | CAA-C2A-C3A | -2.75 | 105.56 | 113.00 |
| 39 | 13 | 314 | DD6 | C23-C16-C17 | -2.75 | 104.13 | 108.97 |
| 30 | 4 | 305 | CLA | CAC-C3C-C4C | 2.75 | 128.37 | 124.79 |
| 30 | 5 | 303 | CLA | CAC-C3C-C4C | 2.75 | 128.37 | 124.79 |
| 30 | 5 | 302 | CLA | CHC-C1C-C2C | -2.75 | 119.15 | 126.94 |
| 37 | 15 | 315 | A86 | C-C1-C2 | -2.75 | 118.36 | 122.82 |
| 30 | B | 821 | CLA | CHD-C4C-NC | 2.75 | 128.50 | 124.23 |
| 30 | 14 | 312 | CLA | CHD-C4C-NC | 2.75 | 128.50 | 124.23 |
| 37 | 10 | 301 | A86 | O-C13-C11 | -2.75 | 115.12 | 121.04 |
| 30 | B | 801 | CLA | CHB-C4A-NA | 2.75 | 128.37 | 124.40 |
| 33 | A | 847 | BCR | C15-C14-C13 | -2.75 | 123.42 | 127.28 |
| 38 | 14 | 308 | KC1 | O2D-CGD-O1D | -2.75 | 118.50 | 123.85 |
| 30 | 2 | 311 | CLA | CHD-C4C-NC | 2.75 | 128.49 | 124.23 |
| 30 | B | 817 | CLA | O2D-CGD-O1D | -2.75 | 118.50 | 123.85 |
| 37 | 3 | 315 | A86 | C9-C10-C11 | -2.75 | 118.87 | 126.64 |
| 38 | 7 | 313 | KC1 | CAC-C3C-C4C | 2.75 | 128.36 | 124.79 |
| 30 | 9 | 309 | CLA | CMB-C2B-C3B | 2.75 | 130.17 | 124.68 |
| 30 | B | 811 | CLA | CHD-C4C-NC | 2.75 | 128.49 | 124.23 |
| 37 | 10 | 317 | A86 | C21-C20-C15 | -2.75 | 114.49 | 123.35 |
| 30 | B | 823 | CLA | O1D-CGD-CBD | -2.74 | 119.10 | 124.52 |
| 30 | 8 | 302 | CLA | C4C-C3C-C2C | -2.74 | 102.90 | 106.89 |
| 38 | 12 | 309 | KC1 | C4C-C3C-C2C | -2.74 | 102.90 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 301 | CLA | CHC-C1C-C2C | -2.74 | 119.17 | 126.94 |
| 30 | 13 | 304 | CLA | C4C-C3C-C2C | -2.74 | 102.90 | 106.89 |
| 36 | 8 | 321 | LMG | O2-C2-C1 | -2.74 | 103.54 | 110.08 |
| 38 | 4 | 310 | KC1 | CHD-C4C-NC | 2.74 | 128.44 | 124.31 |
| 30 | 15 | 313 | CLA | CAC-C3C-C4C | 2.74 | 128.36 | 124.79 |
| 37 | 14 | 318 | A86 | C12-C11-C13 | 2.74 | 120.45 | 116.00 |
| 30 | 8 | 303 | CLA | CHD-C4C-NC | 2.74 | 128.49 | 124.23 |
| 30 | 15 | 308 | CLA | O2A-CGA-O1A | -2.74 | 116.28 | 123.33 |
| 30 | A | 816 | CLA | O2D-CGD-O1D | -2.74 | 118.51 | 123.85 |
| 37 | 9 | 313 | A86 | C25-C26-C27 | -2.74 | 123.43 | 127.28 |
| 30 | B | 810 | CLA | CAC-C3C-C4C | 2.74 | 128.36 | 124.79 |
| 38 | 10 | 306 | KC1 | CAC-C3C-C4C | 2.74 | 128.36 | 124.79 |
| 39 | 4 | 313 | DD6 | C9-C8-C6 | -2.74 | 118.85 | 126.36 |
| 30 | 3 | 302 | CLA | C1-C2-C3 | -2.74 | 121.71 | 126.20 |
| 30 | 13 | 307 | CLA | C1-C2-C3 | -2.74 | 121.71 | 126.20 |
| 30 | B | 851 | CLA | CMC-C2C-C1C | 2.74 | 129.31 | 125.03 |
| 30 | 7 | 304 | CLA | CBC-CAC-C3C | -2.74 | 104.99 | 112.42 |
| 30 | 15 | 312 | CLA | O2D-CGD-O1D | -2.74 | 118.52 | 123.85 |
| 30 | 15 | 308 | CLA | C3B-C4B-NB | 2.74 | 112.75 | 109.21 |
| 39 | 2 | 316 | DD6 | C33-C32-C31 | 2.74 | 114.89 | 109.49 |
| 30 | A | 841 | CLA | CHC-C1C-C2C | -2.74 | 119.19 | 126.94 |
| 30 | B | 833 | CLA | CAC-C3C-C4C | 2.74 | 128.35 | 124.79 |
| 37 | 6 | 320 | A86 | C-C1-C24 | 2.74 | 122.27 | 118.09 |
| 30 | 9 | 308 | CLA | CHC-C1C-C2C | -2.74 | 119.19 | 126.94 |
| 30 | A | 840 | CLA | CAC-C3C-C4C | 2.74 | 128.35 | 124.79 |
| 30 | 10 | 309 | CLA | CAA-C2A-C3A | -2.74 | 105.60 | 113.00 |
| 37 | 7 | 316 | A86 | C-C1-C24 | 2.74 | 122.27 | 118.09 |
| 30 | 3 | 305 | CLA | O2A-CGA-CBA | 2.74 | 120.18 | 111.83 |
| 30 | L | 202 | CLA | CHB-C4A-NA | 2.74 | 128.35 | 124.40 |
| 38 | 11 | 312 | KC1 | C4C-C3C-C2C | -2.74 | 102.91 | 106.89 |
| 37 | 16 | 312 | A86 | C9-C8-C6 | 2.73 | 133.86 | 126.36 |
| 33 | I | 101 | BCR | C29-C30-C25 | 2.73 | 114.41 | 110.44 |
| 30 | 3 | 305 | CLA | CHB-C4A-NA | 2.73 | 128.35 | 124.40 |
| 30 | 8 | 301 | CLA | O2A-CGA-CBA | 2.73 | 120.17 | 111.83 |
| 30 | 7 | 310 | CLA | CHC-C1C-C2C | -2.73 | 119.20 | 126.94 |
| 30 | 9 | 308 | CLA | C4-C3-C5 | 2.73 | 119.97 | 115.23 |
| 30 | B | 804 | CLA | CHB-C4A-NA | 2.73 | 128.34 | 124.40 |
| 30 | 7 | 303 | CLA | O2D-CGD-O1D | -2.73 | 118.53 | 123.85 |
| 30 | B | 810 | CLA | CMC-C2C-C1C | 2.73 | 129.30 | 125.03 |
| 38 | 10 | 306 | KC1 | CHD-C4C-NC | 2.73 | 128.43 | 124.31 |
| 30 | B | 804 | CLA | CAA-C2A-C3A | -2.73 | 105.62 | 113.00 |
| 30 | A | 805 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 811 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 38 | 3 | 304 | KC1 | CHD-C4C-NC | 2.73 | 128.43 | 124.31 |
| 38 | 9 | 311 | KC1 | O1D-CGD-CBD | -2.73 | 119.13 | 124.52 |
| 30 | 4 | 305 | CLA | CHB-C4A-NA | 2.73 | 128.34 | 124.40 |
| 30 | 15 | 312 | CLA | CMB-C2B-C3B | 2.73 | 130.14 | 124.68 |
| 38 | 12 | 311 | KC1 | CHD-C4C-NC | 2.73 | 128.42 | 124.31 |
| 30 | 1 | 302 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | 6 | 304 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | 13 | 303 | CLA | O2D-CGD-O1D | -2.73 | 118.53 | 123.85 |
| 30 | 16 | 305 | CLA | CBC-CAC-C3C | -2.73 | 105.02 | 112.42 |
| 30 | 8 | 305 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | A | 817 | CLA | CMB-C2B-C3B | 2.73 | 130.14 | 124.68 |
| 30 | 6 | 310 | CLA | CMB-C2B-C3B | 2.73 | 130.14 | 124.68 |
| 30 | 2 | 305 | CLA | CHD-C4C-NC | 2.73 | 128.46 | 124.23 |
| 38 | 7 | 313 | KC1 | CBC-CAC-C3C | -2.73 | 105.02 | 112.42 |
| 33 | A | 849 | BCR | C30-C25-C26 | -2.73 | 118.91 | 122.64 |
| 37 | 9 | 316 | A86 | C41-C32-C31 | -2.73 | 108.03 | 110.47 |
| 30 | 14 | 304 | CLA | CHD-C4C-NC | 2.73 | 128.46 | 124.23 |
| 30 | 4 | 309 | CLA | C4C-C3C-C2C | -2.73 | 102.92 | 106.89 |
| 30 | 10 | 304 | CLA | C1-C2-C3 | -2.73 | 121.73 | 126.20 |
| 30 | 8 | 305 | CLA | CBC-CAC-C3C | -2.73 | 105.03 | 112.42 |
| 30 | A | 804 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | 15 | 311 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | A | 825 | CLA | C4C-C3C-C2C | -2.73 | 102.92 | 106.89 |
| 30 | 6 | 309 | CLA | O2A-CGA-O1A | -2.73 | 116.81 | 123.63 |
| 37 | 1 | 309 | A86 | C21-C20-C15 | -2.73 | 114.55 | 123.35 |
| 30 | 12 | 303 | CLA | C4-C3-C5 | 2.73 | 119.96 | 115.23 |
| 30 | A | 829 | CLA | O2A-CGA-CBA | 2.73 | 120.15 | 111.83 |
| 29 | A | 801 | CL0 | CMC-C2C-C1C | 2.73 | 129.29 | 125.03 |
| 37 | 15 | 315 | A86 | C22-C16-C17 | -2.73 | 104.18 | 108.97 |
| 30 | A | 805 | CLA | C4C-C3C-C2C | -2.73 | 102.92 | 106.89 |
| 38 | 13 | 312 | KC1 | C4C-C3C-C2C | -2.73 | 102.92 | 106.89 |
| 30 | 6 | 314 | CLA | C1-C2-C3 | -2.73 | 121.73 | 126.20 |
| 30 | 9 | 305 | CLA | O2A-CGA-CBA | 2.73 | 120.15 | 111.83 |
| 30 | A | 817 | CLA | CAC-C3C-C4C | 2.73 | 128.34 | 124.79 |
| 30 | 4 | 309 | CLA | O2D-CGD-O1D | -2.73 | 118.54 | 123.85 |
| 30 | 2 | 307 | CLA | O2D-CGD-O1D | -2.72 | 118.54 | 123.85 |
| 30 | 16 | 305 | CLA | CAC-C3C-C4C | 2.72 | 128.34 | 124.79 |
| 30 | 7 | 312 | CLA | CHD-C4C-NC | 2.72 | 128.46 | 124.23 |
| 30 | 12 | 304 | CLA | O2A-CGA-O1A | -2.72 | 116.81 | 123.63 |
| 30 | A | 803 | CLA | CHC-C1C-C2C | -2.72 | 119.22 | 126.94 |
| 30 | 15 | 309 | CLA | CHD-C4C-NC | 2.72 | 128.46 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 6 | 305 | CLA | CAA-C2A-C3A | -2.72 | 105.64 | 113.00 |
| 38 | 3 | 304 | KC1 | O1D-CGD-CBD | -2.72 | 119.15 | 124.52 |
| 30 | 6 | 305 | CLA | C4C-C3C-C2C | -2.72 | 102.93 | 106.89 |
| 38 | 5 | 305 | KC1 | CHD-C4C-NC | 2.72 | 128.41 | 124.31 |
| 30 | 1 | 301 | CLA | CHD-C4C-NC | 2.72 | 128.45 | 124.23 |
| 30 | A | 812 | CLA | O2D-CGD-O1D | -2.72 | 118.55 | 123.85 |
| 39 | 6 | 318 | DD6 | C33-C32-C31 | 2.72 | 114.85 | 109.49 |
| 30 | 3 | 303 | CLA | O1D-CGD-CBD | -2.72 | 119.15 | 124.52 |
| 30 | B | 801 | CLA | CHC-C1C-C2C | -2.72 | 119.24 | 126.94 |
| 30 | A | 806 | CLA | O2A-CGA-CBA | 2.72 | 120.13 | 111.83 |
| 38 | 2 | 306 | KC1 | C4C-C3C-C2C | -2.72 | 102.93 | 106.89 |
| 30 | 13 | 303 | CLA | CHD-C4C-NC | 2.72 | 128.45 | 124.23 |
| 30 | 9 | 308 | CLA | C3B-C4B-NB | 2.72 | 112.72 | 109.21 |
| 38 | 9 | 311 | KC1 | CBC-CAC-C3C | -2.72 | 105.05 | 112.42 |
| 30 | 3 | 303 | CLA | CAC-C3C-C4C | 2.72 | 128.33 | 124.79 |
| 39 | 7 | 317 | DD6 | C19-C18-C17 | 2.72 | 115.87 | 110.79 |
| 30 | 11 | 304 | CLA | O2A-CGA-CBA | 2.72 | 120.12 | 111.83 |
| 38 | 10 | 312 | KC1 | C4C-C3C-C2C | -2.72 | 102.94 | 106.89 |
| 30 | A | 817 | CLA | C4C-C3C-C2C | -2.72 | 102.94 | 106.89 |
| 38 | 8 | 311 | KC1 | CMB-C2B-C1B | 2.72 | 129.51 | 124.73 |
| 30 | B | 826 | CLA | O2A-CGA-CBA | 2.72 | 120.12 | 111.83 |
| 30 | 7 | 310 | CLA | C4-C3-C5 | 2.72 | 119.94 | 115.23 |
| 30 | 10 | 309 | CLA | C4-C3-C5 | 2.72 | 119.94 | 115.23 |
| 30 | 12 | 312 | CLA | C4C-C3C-C2C | -2.72 | 102.94 | 106.89 |
| 30 | 14 | 302 | CLA | C4C-C3C-C2C | -2.72 | 102.94 | 106.89 |
| 36 | 3 | 317 | LMG | C4-C3-C2 | -2.72 | 106.06 | 110.83 |
| 30 | A | 826 | CLA | O1D-CGD-CBD | -2.72 | 119.16 | 124.52 |
| 35 | 11 | 318 | LMT | O1B-C4'-C3' | 2.72 | 114.13 | 107.23 |
| 37 | 5 | 301 | A86 | C21-C20-C15 | -2.72 | 114.58 | 123.35 |
| 30 | 16 | 303 | CLA | CHC-C1C-C2C | -2.72 | 119.25 | 126.94 |
| 36 | 5 | 318 | LMG | O6-C1-O1 | -2.72 | 103.63 | 110.04 |
| 30 | A | 839 | CLA | C1-C2-C3 | -2.72 | 121.75 | 126.20 |
| 38 | 10 | 312 | KC1 | CAC-C3C-C4C | 2.71 | 128.32 | 124.79 |
| 30 | 5 | 308 | CLA | C4C-C3C-C2C | -2.71 | 102.94 | 106.89 |
| 30 | 14 | 303 | CLA | C4C-C3C-C2C | -2.71 | 102.94 | 106.89 |
| 30 | J | 101 | CLA | C4C-C3C-C2C | -2.71 | 102.94 | 106.89 |
| 30 | 15 | 310 | CLA | CHD-C4C-NC | 2.71 | 128.44 | 124.23 |
| 30 | B | 821 | CLA | O2D-CGD-O1D | -2.71 | 118.57 | 123.85 |
| 30 | A | 824 | CLA | C4-C3-C5 | 2.71 | 119.32 | 116.13 |
| 30 | A | 834 | CLA | CBC-CAC-C3C | -2.71 | 105.07 | 112.42 |
| 30 | A | 827 | CLA | C4-C3-C5 | 2.71 | 119.93 | 115.23 |
| 30 | A | 841 | CLA | CED-O2D-CGD | 2.71 | 122.06 | 115.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 301 | CLA | CMB-C2B-C3B | 2.71 | 130.10 | 124.68 |
| 30 | 4 | 302 | CLA | CMC-C2C-C1C | 2.71 | 129.27 | 125.03 |
| 39 | 4 | 316 | DD6 | C23-C16-C17 | -2.71 | 104.20 | 108.97 |
| 30 | 15 | 309 | CLA | O2A-CGA-CBA | 2.71 | 120.10 | 111.83 |
| 30 | A | 830 | CLA | CAA-C2A-C3A | -2.71 | 105.67 | 113.00 |
| 33 | J | 102 | BCR | C11-C10-C9 | -2.71 | 123.48 | 127.28 |
| 38 | 10 | 306 | KC1 | O1D-CGD-CBD | -2.71 | 119.17 | 124.52 |
| 30 | 16 | 305 | CLA | O2A-CGA-CBA | 2.71 | 120.10 | 111.83 |
| 30 | A | 819 | CLA | C3B-C4B-NB | 2.71 | 112.71 | 109.21 |
| 30 | A | 823 | CLA | CMB-C2B-C3B | 2.71 | 130.10 | 124.68 |
| 30 | B | 814 | CLA | C1-C2-C3 | -2.71 | 121.76 | 126.20 |
| 30 | 2 | 304 | CLA | C4C-C3C-C2C | -2.71 | 102.95 | 106.89 |
| 30 | B | 809 | CLA | CMC-C2C-C1C | 2.71 | 129.27 | 125.03 |
| 30 | 2 | 304 | CLA | C1-C2-C3 | -2.71 | 121.76 | 126.20 |
| 30 | 14 | 303 | CLA | CHB-C4A-NA | 2.71 | 128.31 | 124.40 |
| 30 | A | 836 | CLA | CHB-C4A-NA | 2.71 | 128.31 | 124.40 |
| 30 | 12 | 307 | CLA | CHC-C1C-C2C | -2.71 | 119.27 | 126.94 |
| 33 | L | 205 | BCR | C15-C16-C17 | -2.71 | 117.98 | 123.52 |
| 30 | 10 | 307 | CLA | CMC-C2C-C1C | 2.71 | 129.26 | 125.03 |
| 39 | 4 | 316 | DD6 | C26-C25-C24 | -2.71 | 115.36 | 123.20 |
| 30 | F | 201 | CLA | CHC-C1C-C2C | -2.71 | 119.28 | 126.94 |
| 30 | 14 | 302 | CLA | CMC-C2C-C1C | 2.71 | 129.26 | 125.03 |
| 39 | 5 | 314 | DD6 | C37-C36-C35 | -2.71 | 109.44 | 114.42 |
| 30 | A | 805 | CLA | CAA-C2A-C3A | -2.71 | 105.69 | 113.00 |
| 33 | F | 204 | BCR | C40-C30-C25 | 2.71 | 114.48 | 110.24 |
| 30 | A | 832 | CLA | CBC-CAC-C3C | -2.71 | 105.09 | 112.42 |
| 39 | 6 | 319 | DD6 | O1-C20-C21 | -2.71 | 112.03 | 115.05 |
| 30 | 10 | 307 | CLA | C3B-C4B-NB | 2.70 | 112.71 | 109.21 |
| 30 | F | 201 | CLA | CHD-C4C-NC | 2.70 | 128.43 | 124.23 |
| 30 | 12 | 306 | CLA | CHD-C4C-NC | 2.70 | 128.43 | 124.23 |
| 30 | B | 801 | CLA | CBC-CAC-C3C | -2.70 | 105.09 | 112.42 |
| 30 | 13 | 304 | CLA | CAA-C2A-C3A | -2.70 | 105.69 | 113.00 |
| 30 | 3 | 310 | CLA | CAC-C3C-C4C | 2.70 | 128.31 | 124.79 |
| 30 | B | 812 | CLA | C1-O2A-CGA | 2.70 | 123.20 | 116.65 |
| 30 | 10 | 305 | CLA | O2D-CGD-O1D | -2.70 | 118.58 | 123.85 |
| 30 | 1 | 307 | CLA | O2A-CGA-CBA | 2.70 | 120.08 | 111.83 |
| 30 | L | 202 | CLA | CHD-C4C-NC | 2.70 | 128.42 | 124.23 |
| 30 | B | 808 | CLA | CHB-C4A-NA | 2.70 | 128.30 | 124.40 |
| 30 | A | 815 | CLA | CAA-C2A-C3A | -2.70 | 105.70 | 113.00 |
| 30 | 7 | 306 | CLA | CAA-C2A-C3A | -2.70 | 105.70 | 113.00 |
| 30 | A | 830 | CLA | CHD-C1D-ND | -2.70 | 121.00 | 124.80 |
| 33 | A | 848 | BCR | C40-C30-C25 | 2.70 | 114.48 | 110.24 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 840 | CLA | C4C-C3C-C2C | -2.70 | 102.96 | 106.89 |
| 30 | 13 | 304 | CLA | CHD-C4C-NC | 2.70 | 128.42 | 124.23 |
| 39 | 12 | 317 | DD6 | C3-C4-C5 | -2.70 | 117.99 | 123.52 |
| 37 | 14 | 319 | A86 | C40-C32-C31 | -2.70 | 108.06 | 110.47 |
| 37 | 15 | 321 | A86 | C7-C6-C8 | 2.70 | 122.21 | 118.09 |
| 30 | A | 806 | CLA | CHD-C4C-NC | 2.70 | 128.42 | 124.23 |
| 38 | 13 | 310 | KC1 | CAA-CBA-CGA | -2.70 | 113.33 | 127.05 |
| 30 | 6 | 310 | CLA | O2A-CGA-CBA | 2.70 | 120.06 | 111.83 |
| 30 | B | 811 | CLA | O2D-CGD-O1D | -2.70 | 118.60 | 123.85 |
| 37 | 5 | 301 | A86 | C12-C11-C13 | 2.70 | 120.37 | 116.00 |
| 30 | 3 | 306 | CLA | CHD-C4C-NC | 2.70 | 128.41 | 124.23 |
| 30 | 14 | 305 | CLA | CAC-C3C-C4C | 2.70 | 128.30 | 124.79 |
| 38 | 10 | 306 | KC1 | CMB-C2B-C1B | 2.70 | 129.47 | 124.73 |
| 39 | 11 | 313 | DD6 | C9-C8-C6 | -2.69 | 118.97 | 126.36 |
| 38 | 13 | 306 | KC1 | CAA-CBA-CGA | -2.69 | 113.35 | 127.05 |
| 30 | B | 839 | CLA | CBC-CAC-C3C | -2.69 | 105.11 | 112.42 |
| 30 | 14 | 302 | CLA | O2D-CGD-O1D | -2.69 | 118.60 | 123.85 |
| 37 | 15 | 320 | A86 | C21-C20-C15 | -2.69 | 114.65 | 123.35 |
| 30 | B | 828 | CLA | CAA-C2A-C3A | -2.69 | 105.72 | 113.00 |
| 39 | 7 | 314 | DD6 | C10-C9-C8 | -2.69 | 115.39 | 123.20 |
| 38 | 12 | 313 | KC1 | CBA-CAA-C2A | -2.69 | 114.64 | 125.45 |
| 30 | 8 | 308 | CLA | CMC-C2C-C1C | 2.69 | 129.24 | 125.03 |
| 30 | 12 | 307 | CLA | O2D-CGD-O1D | -2.69 | 118.60 | 123.85 |
| 39 | 4 | 316 | DD6 | C21-C20-C15 | -2.69 | 117.87 | 122.30 |
| 30 | B | 804 | CLA | CBC-CAC-C3C | -2.69 | 105.12 | 112.42 |
| 30 | B | 830 | CLA | C3B-C4B-NB | 2.69 | 112.69 | 109.21 |
| 30 | 13 | 304 | CLA | CAC-C3C-C4C | 2.69 | 128.29 | 124.79 |
| 37 | 4 | 314 | A86 | C21-C20-C15 | -2.69 | 114.66 | 123.35 |
| 33 | A | 850 | BCR | C27-C26-C25 | 2.69 | 126.34 | 122.70 |
| 30 | A | 806 | CLA | C4-C3-C5 | 2.69 | 119.90 | 115.23 |
| 38 | 9 | 304 | KC1 | CBC-CAC-C3C | -2.69 | 105.12 | 112.42 |
| 37 | 13 | 313 | A86 | C21-C20-C15 | -2.69 | 114.66 | 123.35 |
| 30 | A | 843 | CLA | C4C-C3C-C2C | -2.69 | 102.97 | 106.89 |
| 30 | 16 | 309 | CLA | CHD-C4C-NC | 2.69 | 128.41 | 124.23 |
| 30 | B | 807 | CLA | CBC-CAC-C3C | -2.69 | 105.12 | 112.42 |
| 39 | 8 | 317 | DD6 | C21-C20-C15 | -2.69 | 117.87 | 122.30 |
| 37 | 14 | 314 | A86 | C7-C6-C8 | -2.69 | 113.98 | 118.09 |
| 33 | B | 846 | BCR | C27-C26-C25 | 2.69 | 126.34 | 122.70 |
| 30 | B | 807 | CLA | O2D-CGD-O1D | -2.69 | 118.61 | 123.85 |
| 30 | 16 | 307 | CLA | CHD-C4C-NC | 2.69 | 128.40 | 124.23 |
| 38 | 5 | 312 | KC1 | CHD-C4C-NC | 2.69 | 128.36 | 124.31 |
| 30 | 15 | 307 | CLA | CBC-CAC-C3C | -2.69 | 105.13 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 802 | CLA | C4-C3-C5 | 2.69 | 119.90 | 115.23 |
| 30 | B | 827 | CLA | CMA-C3A-C2A | -2.69 | 103.58 | 113.98 |
| 30 | 2u | 202 | CLA | CBC-CAC-C3C | -2.69 | 105.13 | 112.42 |
| 30 | B | 813 | CLA | CMB-C2B-C3B | 2.69 | 130.06 | 124.68 |
| 30 | B | 835 | CLA | CBA-CAA-C2A | 2.69 | 121.79 | 113.79 |
| 36 | B | 847 | LMG | O6-C1-O1 | -2.69 | 103.69 | 110.04 |
| 30 | 1 | 304 | CLA | C3B-C4B-NB | 2.69 | 112.69 | 109.21 |
| 37 | 13 | 315 | A86 | C25-C24-C1 | -2.69 | 118.99 | 126.36 |
| 39 | 7 | 317 | DD6 | O1-C20-C21 | -2.69 | 112.05 | 115.05 |
| 30 | 13 | 307 | CLA | CMB-C2B-C3B | 2.69 | 130.05 | 124.68 |
| 33 | B | 845 | BCR | C20-C21-C22 | -2.69 | 123.51 | 127.28 |
| 30 | 13 | 301 | CLA | CHB-C4A-NA | 2.69 | 128.28 | 124.40 |
| 30 | 6 | 314 | CLA | O2D-CGD-O1D | -2.69 | 118.62 | 123.85 |
| 38 | 2 | 314 | KC1 | CBA-CAA-C2A | -2.69 | 114.67 | 125.45 |
| 30 | 13 | 303 | CLA | C1-C2-C3 | -2.68 | 121.80 | 126.20 |
| 33 | J | 102 | BCR | C27-C26-C25 | 2.68 | 126.33 | 122.70 |
| 30 | 7 | 309 | CLA | CHD-C4C-NC | 2.68 | 128.39 | 124.23 |
| 30 | 8 | 304 | CLA | O2D-CGD-O1D | -2.68 | 118.62 | 123.85 |
| 30 | A | 809 | CLA | C4C-C3C-C2C | -2.68 | 102.98 | 106.89 |
| 36 | 3 | 317 | LMG | C1-O6-C5 | 2.68 | 118.96 | 113.72 |
| 37 | 10 | 315 | A86 | C21-C20-C15 | -2.68 | 114.69 | 123.35 |
| 30 | A | 832 | CLA | CMC-C2C-C1C | 2.68 | 129.23 | 125.03 |
| 37 | 12 | 314 | A86 | C12-C11-C13 | 2.68 | 120.35 | 116.00 |
| 30 | 14 | 305 | CLA | CHD-C4C-NC | 2.68 | 128.39 | 124.23 |
| 39 | 6 | 321 | DD6 | C40-C32-C31 | -2.68 | 105.71 | 110.52 |
| 30 | B | 813 | CLA | CAA-C2A-C3A | -2.68 | 105.75 | 113.00 |
| 30 | 13 | 302 | CLA | C4-C3-C5 | 2.68 | 119.88 | 115.23 |
| 30 | 15 | 309 | CLA | CAA-C2A-C3A | -2.68 | 105.75 | 113.00 |
| 30 | B | 801 | CLA | C4-C3-C5 | 2.68 | 119.88 | 115.23 |
| 30 | 8 | 308 | CLA | C4C-C3C-C2C | -2.68 | 102.99 | 106.89 |
| 30 | 16 | 310 | CLA | CAC-C3C-C4C | 2.68 | 128.28 | 124.79 |
| 30 | B | 829 | CLA | CHB-C4A-NA | 2.68 | 128.27 | 124.40 |
| 30 | A | 835 | CLA | CAC-C3C-C4C | 2.68 | 128.28 | 124.79 |
| 30 | A | 824 | CLA | CAA-C2A-C3A | -2.68 | 105.76 | 113.00 |
| 30 | A | 805 | CLA | CHC-C1C-C2C | -2.68 | 119.35 | 126.94 |
| 30 | L | 202 | CLA | C1-C2-C3 | -2.68 | 121.81 | 126.20 |
| 30 | 3 | 306 | CLA | C3B-C4B-NB | 2.68 | 112.67 | 109.21 |
| 30 | A | 811 | CLA | CMB-C2B-C3B | 2.68 | 130.03 | 124.68 |
| 37 | 5 | 315 | A86 | C21-C20-C15 | -2.68 | 114.70 | 123.35 |
| 30 | B | 837 | CLA | CAC-C3C-C4C | 2.68 | 128.27 | 124.79 |
| 39 | 12 | 317 | DD6 | C23-C16-C17 | -2.68 | 104.26 | 108.97 |
| 30 | F | 202 | CLA | CHD-C4C-NC | 2.68 | 128.38 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 305 | CLA | C4-C3-C5 | 2.68 | 119.87 | 115.23 |
| 30 | 2u | 202 | CLA | O2D-CGD-O1D | -2.68 | 118.64 | 123.85 |
| 30 | 3 | 303 | CLA | CHB-C4A-NA | 2.68 | 128.26 | 124.40 |
| 30 | 11 | 306 | CLA | CHC-C1C-C2C | -2.67 | 119.36 | 126.94 |
| 30 | 15 | 314 | CLA | CAA-C2A-C3A | -2.67 | 105.77 | 113.00 |
| 37 | 2u | 203 | A86 | C21-C20-C15 | -2.67 | 114.72 | 123.35 |
| 36 | 3 | 317 | LMG | O6-C1-O1 | -2.67 | 103.72 | 110.04 |
| 30 | A | 805 | CLA | CMA-C3A-C4A | -2.67 | 104.59 | 111.77 |
| 38 | 2 | 306 | KC1 | CMB-C2B-C1B | 2.67 | 129.44 | 124.73 |
| 38 | 4 | 307 | KC1 | C4C-C3C-C2C | -2.67 | 103.00 | 106.89 |
| 30 | B | 829 | CLA | C3B-C4B-NB | 2.67 | 112.67 | 109.21 |
| 37 | 15 | 322 | A86 | C4-C5-C6 | -2.67 | 123.53 | 127.28 |
| 37 | 3 | 315 | A86 | C21-C20-C15 | -2.67 | 114.72 | 123.35 |
| 38 | 8 | 306 | KC1 | C4C-C3C-C2C | -2.67 | 103.00 | 106.89 |
| 30 | B | 836 | CLA | CAA-C2A-C3A | -2.67 | 105.78 | 113.00 |
| 38 | 4 | 310 | KC1 | CMB-C2B-C1B | 2.67 | 129.43 | 124.73 |
| 30 | 2u | 202 | CLA | CMC-C2C-C1C | 2.67 | 129.21 | 125.03 |
| 30 | 4 | 301 | CLA | CHD-C4C-NC | 2.67 | 128.37 | 124.23 |
| 30 | 15 | 308 | CLA | CAA-CBA-CGA | 2.67 | 119.61 | 112.49 |
| 30 | 10 | 307 | CLA | CHB-C4A-NA | 2.67 | 128.25 | 124.40 |
| 30 | 7 | 304 | CLA | C4C-C3C-C2C | -2.67 | 103.01 | 106.89 |
| 30 | 10 | 308 | CLA | CMB-C2B-C3B | 2.67 | 130.02 | 124.68 |
| 30 | 9 | 309 | CLA | CHD-C4C-NC | 2.67 | 128.37 | 124.23 |
| 30 | A | 823 | CLA | O2D-CGD-O1D | -2.67 | 118.66 | 123.85 |
| 30 | B | 816 | CLA | CMC-C2C-C1C | 2.67 | 129.20 | 125.03 |
| 30 | 6 | 316 | CLA | O2A-CGA-CBA | 2.67 | 119.97 | 111.83 |
| 30 | B | 829 | CLA | O1D-CGD-CBD | -2.67 | 119.26 | 124.52 |
| 30 | B | 829 | CLA | CHD-C4C-NC | 2.67 | 128.37 | 124.23 |
| 30 | A | 827 | CLA | C3B-C4B-NB | 2.67 | 112.66 | 109.21 |
| 30 | B | 837 | CLA | C3B-C4B-NB | 2.67 | 112.66 | 109.21 |
| 33 | L | 204 | BCR | C27-C26-C25 | 2.67 | 126.31 | 122.70 |
| 37 | 14 | 317 | A86 | C34-O4-C38 | -2.67 | 113.14 | 117.85 |
| 30 | B | 805 | CLA | C4-C3-C5 | 2.67 | 119.86 | 115.23 |
| 30 | A | 832 | CLA | CHD-C4C-NC | 2.67 | 128.37 | 124.23 |
| 33 | M | 101 | BCR | C27-C26-C25 | 2.67 | 126.31 | 122.70 |
| 37 | 4 | 312 | A86 | C21-C20-C15 | -2.67 | 114.75 | 123.35 |
| 39 | 2 | 316 | DD6 | C21-C20-C15 | -2.66 | 117.92 | 122.30 |
| 37 | 5 | 315 | A86 | C4-C3-C2 | -2.66 | 118.07 | 123.52 |
| 37 | 14 | 314 | A86 | C34-O4-C38 | -2.66 | 113.14 | 117.85 |
| 37 | 6 | 320 | A86 | C35-C34-C33 | 2.66 | 114.67 | 109.89 |
| 30 | 9 | 307 | CLA | CHB-C4A-NA | 2.66 | 128.24 | 124.40 |
| 29 | A | 801 | CL0 | C1-C2-C3 | -2.66 | 121.83 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 8 | 303 | CLA | C1-C2-C3 | -2.66 | 121.83 | 126.20 |
| 30 | A | 821 | CLA | CAA-C2A-C3A | -2.66 | 105.81 | 113.00 |
| 30 | 2 | 311 | CLA | CMC-C2C-C1C | 2.66 | 129.19 | 125.03 |
| 30 | 3 | 301 | CLA | C4C-C3C-C2C | -2.66 | 103.02 | 106.89 |
| 39 | 15 | 319 | DD6 | C19-C18-C17 | 2.66 | 115.77 | 110.79 |
| 30 | A | 809 | CLA | CBA-CAA-C2A | 2.66 | 121.71 | 113.79 |
| 35 | 7 | 301 | LMT | O1B-C4'-C3' | 2.66 | 114.00 | 107.23 |
| 38 | 8 | 312 | KC1 | CAA-CBA-CGA | -2.66 | 113.52 | 127.05 |
| 30 | B | 819 | CLA | CHB-C4A-NA | 2.66 | 128.24 | 124.40 |
| 37 | 12 | 314 | A86 | C24-C1-C2 | -2.66 | 114.82 | 119.01 |
| 30 | B | 831 | CLA | C1-C2-C3 | -2.66 | 121.84 | 126.20 |
| 30 | 2 | 303 | CLA | CMC-C2C-C1C | 2.66 | 129.19 | 125.03 |
| 37 | 14 | 317 | A86 | C9-C10-C11 | -2.66 | 119.12 | 126.64 |
| 30 | 2 | 301 | CLA | CMC-C2C-C1C | 2.66 | 129.19 | 125.03 |
| 30 | A | 803 | CLA | CAC-C3C-C4C | 2.66 | 128.25 | 124.79 |
| 30 | A | 830 | CLA | C4-C3-C5 | 2.66 | 119.84 | 115.23 |
| 30 | 15 | 303 | CLA | CAC-C3C-C4C | 2.66 | 128.25 | 124.79 |
| 30 | A | 808 | CLA | CAA-C2A-C3A | -2.66 | 105.82 | 113.00 |
| 30 | 16 | 309 | CLA | CAC-C3C-C4C | 2.66 | 128.25 | 124.79 |
| 30 | 6 | 317 | CLA | C4C-C3C-C2C | -2.65 | 103.03 | 106.89 |
| 37 | 11 | 314 | A86 | C21-C20-C15 | -2.65 | 114.78 | 123.35 |
| 38 | 8 | 314 | KC1 | O1D-CGD-CBD | -2.65 | 119.28 | 124.52 |
| 30 | L | 203 | CLA | CAC-C3C-C4C | 2.65 | 128.24 | 124.79 |
| 30 | 5 | 308 | CLA | O2D-CGD-O1D | -2.65 | 118.68 | 123.85 |
| 34 | 9 | 318 | LHG | O8-C23-C24 | 2.65 | 119.93 | 111.83 |
| 30 | A | 808 | CLA | CHC-C1C-C2C | -2.65 | 119.43 | 126.94 |
| 30 | 2 | 305 | CLA | CAC-C3C-C4C | 2.65 | 128.24 | 124.79 |
| 30 | 15 | 306 | CLA | CAC-C3C-C4C | 2.65 | 128.24 | 124.79 |
| 37 | 1 | 309 | A86 | C34-O4-C38 | -2.65 | 113.16 | 117.85 |
| 30 | 1 | 307 | CLA | O2D-CGD-O1D | -2.65 | 118.69 | 123.85 |
| 37 | 14 | 301 | A86 | C21-C20-C15 | -2.65 | 114.79 | 123.35 |
| 30 | A | 830 | CLA | C3B-C4B-NB | 2.65 | 112.64 | 109.21 |
| 30 | A | 841 | CLA | CMC-C2C-C1C | 2.65 | 129.18 | 125.03 |
| 38 | 13 | 310 | KC1 | CHD-C4C-NC | 2.65 | 128.30 | 124.31 |
| 38 | 10 | 312 | KC1 | CMC-C2C-C1C | 2.65 | 129.18 | 125.03 |
| 30 | 7 | 307 | CLA | CHC-C1C-C2C | -2.65 | 119.44 | 126.94 |
| 33 | A | 851 | BCR | C27-C26-C25 | 2.65 | 126.28 | 122.70 |
| 38 | 6 | 308 | KC1 | CMC-C2C-C1C | 2.65 | 129.17 | 125.03 |
| 30 | B | 810 | CLA | CAA-C2A-C3A | -2.65 | 105.84 | 113.00 |
| 39 | 3 | 316 | DD6 | C9-C8-C6 | -2.65 | 119.10 | 126.36 |
| 38 | 8 | 310 | KC1 | CBA-CAA-C2A | -2.65 | 114.82 | 125.45 |
| 30 | 6 | 310 | CLA | C4C-C3C-C2C | -2.65 | 103.04 | 106.89 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 5 | 302 | CLA | CMC-C2C-C1C | 2.65 | 129.17 | 125.03 |
| 38 | 7 | 313 | KC1 | CHB-C4A-NA | 2.65 | 128.34 | 124.23 |
| 30 | 15 | 312 | CLA | CMD-C2D-C3D | -2.65 | 121.62 | 127.69 |
| 37 | 7 | 315 | A86 | C36-C31-C32 | -2.65 | 117.07 | 119.70 |
| 30 | 14 | 310 | CLA | CHD-C4C-NC | 2.65 | 128.34 | 124.23 |
| 30 | 14 | 304 | CLA | CAA-C2A-C3A | -2.65 | 105.85 | 113.00 |
| 30 | 10 | 309 | CLA | CHD-C4C-NC | 2.65 | 128.33 | 124.23 |
| 37 | 15 | 317 | A86 | C10-C9-C8 | -2.65 | 115.53 | 123.20 |
| 30 | 14 | 307 | CLA | C1-O2A-CGA | 2.65 | 123.05 | 116.65 |
| 30 | B | 830 | CLA | O2D-CGD-O1D | -2.64 | 118.70 | 123.85 |
| 30 | A | 803 | CLA | O2D-CGD-O1D | -2.64 | 118.70 | 123.85 |
| 38 | 12 | 305 | KC1 | CHD-C4C-NC | 2.64 | 128.29 | 124.31 |
| 37 | 8 | 315 | A86 | C21-C20-C15 | -2.64 | 114.82 | 123.35 |
| 30 | B | 817 | CLA | C1C-C2C-C3C | -2.64 | 104.20 | 106.98 |
| 30 | 13 | 309 | CLA | CHD-C4C-NC | 2.64 | 128.33 | 124.23 |
| 30 | 2 | 313 | CLA | O2D-CGD-O1D | -2.64 | 118.71 | 123.85 |
| 30 | 1 | 307 | CLA | CHD-C4C-NC | 2.64 | 128.33 | 124.23 |
| 30 | 5 | 311 | CLA | CHD-C4C-NC | 2.64 | 128.33 | 124.23 |
| 30 | 2 | 304 | CLA | CMC-C2C-C1C | 2.64 | 129.16 | 125.03 |
| 33 | B | 841 | BCR | C7-C8-C9 | -2.64 | 122.33 | 126.23 |
| 37 | 10 | 302 | A86 | C21-C20-C15 | -2.64 | 114.83 | 123.35 |
| 38 | 2 | 314 | KC1 | CHD-C4C-NC | 2.64 | 128.28 | 124.31 |
| 30 | 13 | 302 | CLA | CAA-C2A-C3A | -2.64 | 105.87 | 113.00 |
| 30 | 4 | 306 | CLA | O2A-CGA-CBA | 2.64 | 119.88 | 111.83 |
| 30 | A | 834 | CLA | O2A-CGA-O1A | -2.64 | 117.03 | 123.63 |
| 37 | 15 | 317 | A86 | C12-C11-C13 | 2.64 | 120.28 | 116.00 |
| 30 | 15 | 309 | CLA | CMB-C2B-C3B | 2.64 | 129.95 | 124.68 |
| 30 | 4 | 306 | CLA | CMC-C2C-C1C | 2.64 | 129.16 | 125.03 |
| 30 | 6 | 309 | CLA | CMC-C2C-C1C | 2.64 | 129.16 | 125.03 |
| 30 | 8 | 303 | CLA | CAC-C3C-C4C | 2.64 | 128.22 | 124.79 |
| 37 | 15 | 323 | A86 | C4-C3-C2 | 2.64 | 128.91 | 123.52 |
| 30 | A | 807 | CLA | O2A-CGA-O1A | -2.64 | 117.04 | 123.63 |
| 30 | 12 | 304 | CLA | CBC-CAC-C3C | -2.64 | 105.28 | 112.42 |
| 30 | B | 823 | CLA | CMC-C2C-C1C | 2.64 | 129.15 | 125.03 |
| 30 | A | 822 | CLA | CAC-C3C-C4C | 2.63 | 128.22 | 124.79 |
| 30 | 2 | 308 | CLA | C3B-C4B-NB | 2.63 | 112.62 | 109.21 |
| 30 | B | 811 | CLA | CAA-C2A-C3A | -2.63 | 105.88 | 113.00 |
| 30 | 10 | 305 | CLA | C1-O2A-CGA | 2.63 | 123.03 | 116.65 |
| 30 | 15 | 303 | CLA | CHD-C4C-NC | 2.63 | 128.31 | 124.23 |
| 39 | 6 | 318 | DD6 | O1-C20-C21 | -2.63 | 112.11 | 115.05 |
| 30 | 10 | 304 | CLA | CAC-C3C-C4C | 2.63 | 128.22 | 124.79 |
| 38 | 4 | 307 | KC1 | CMB-C2B-C1B | 2.63 | 129.37 | 124.73 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 830 | CLA | CHC-C1C-C2C | -2.63 | 119.48 | 126.94 |
| 37 | 10 | 316 | A86 | C21-C20-C15 | -2.63 | 114.85 | 123.35 |
| 30 | B | 810 | CLA | CHC-C1C-C2C | -2.63 | 119.49 | 126.94 |
| 30 | 8 | 305 | CLA | O2A-CGA-CBA | 2.63 | 119.86 | 111.83 |
| 30 | A | 811 | CLA | CHB-C4A-NA | 2.63 | 128.20 | 124.40 |
| 30 | 6 | 315 | CLA | CAC-C3C-C4C | 2.63 | 128.21 | 124.79 |
| 30 | 2 | 309 | CLA | C1-O2A-CGA | 2.63 | 123.02 | 116.65 |
| 37 | 9 | 315 | A86 | C8-C6-C5 | -2.63 | 114.87 | 119.01 |
| 30 | A | 825 | CLA | C1-C2-C3 | -2.63 | 121.89 | 126.20 |
| 39 | 7 | 302 | DD6 | C25-C24-C1 | -2.63 | 119.15 | 126.36 |
| 30 | B | 809 | CLA | C4C-C3C-C2C | -2.63 | 103.06 | 106.89 |
| 30 | B | 829 | CLA | CAC-C3C-C4C | 2.63 | 128.21 | 124.79 |
| 30 | A | 822 | CLA | CHD-C4C-NC | 2.63 | 128.31 | 124.23 |
| 30 | 8 | 305 | CLA | CHC-C1C-C2C | -2.63 | 119.50 | 126.94 |
| 30 | A | 805 | CLA | C1-C2-C3 | -2.63 | 121.89 | 126.20 |
| 30 | 15 | 305 | CLA | O2D-CGD-O1D | -2.63 | 118.73 | 123.85 |
| 30 | 2 | 307 | CLA | CAC-C3C-C4C | 2.63 | 128.21 | 124.79 |
| 30 | B | 809 | CLA | CHD-C4C-NC | 2.63 | 128.30 | 124.23 |
| 38 | 11 | 307 | KC1 | CMC-C2C-C1C | 2.63 | 129.14 | 125.03 |
| 30 | A | 825 | CLA | CHB-C4A-NA | 2.63 | 128.19 | 124.40 |
| 30 | 9 | 302 | CLA | CHB-C4A-NA | 2.63 | 128.19 | 124.40 |
| 30 | A | 804 | CLA | O2A-CGA-CBA | 2.63 | 119.84 | 111.83 |
| 30 | 9 | 308 | CLA | O2A-CGA-CBA | 2.62 | 119.84 | 111.83 |
| 30 | B | 836 | CLA | CHD-C4C-NC | 2.62 | 128.30 | 124.23 |
| 30 | B | 825 | CLA | CHC-C1C-C2C | -2.62 | 119.51 | 126.94 |
| 30 | B | 826 | CLA | CHD-C4C-NC | 2.62 | 128.30 | 124.23 |
| 38 | 3 | 311 | KC1 | CHB-C4A-NA | 2.62 | 128.30 | 124.23 |
| 30 | B | 806 | CLA | C4C-C3C-C2C | -2.62 | 103.07 | 106.89 |
| 30 | 9 | 303 | CLA | C4C-C3C-C2C | -2.62 | 103.07 | 106.89 |
| 30 | 16 | 310 | CLA | CBC-CAC-C3C | -2.62 | 105.31 | 112.42 |
| 30 | B | 828 | CLA | C1-C2-C3 | -2.62 | 121.90 | 126.20 |
| 30 | 15 | 309 | CLA | C4-C3-C5 | 2.62 | 119.78 | 115.23 |
| 30 | B | 805 | CLA | O2A-CGA-CBA | 2.62 | 119.83 | 111.83 |
| 33 | A | 850 | BCR | C3-C4-C5 | -2.62 | 109.38 | 114.06 |
| 33 | 2u | 201 | BCR | C29-C30-C25 | 2.62 | 114.25 | 110.44 |
| 30 | 16 | 308 | CLA | CHD-C4C-NC | 2.62 | 128.29 | 124.23 |
| 30 | A | 842 | CLA | CMC-C2C-C1C | 2.62 | 129.13 | 125.03 |
| 30 | 12 | 310 | CLA | CAA-C2A-C3A | -2.62 | 105.92 | 113.00 |
| 30 | A | 808 | CLA | CHB-C4A-NA | 2.62 | 128.18 | 124.40 |
| 30 | 5 | 309 | CLA | CHB-C4A-NA | 2.62 | 128.18 | 124.40 |
| 30 | 13 | 301 | CLA | O2D-CGD-O1D | -2.62 | 118.75 | 123.85 |
| 30 | A | 842 | CLA | CAC-C3C-C4C | 2.62 | 128.20 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 302 | CLA | CHB-C4A-NA | 2.62 | 128.18 | 124.40 |
| 30 | 10 | 308 | CLA | CMC-C2C-C1C | 2.62 | 129.12 | 125.03 |
| 30 | 2 | 303 | CLA | CAA-C2A-C1A | -2.62 | 103.40 | 111.97 |
| 30 | 15 | 302 | CLA | CHC-C1C-C2C | -2.62 | 119.53 | 126.94 |
| 30 | 1 | 303 | CLA | CMB-C2B-C3B | 2.62 | 129.91 | 124.68 |
| 38 | 9 | 310 | KC1 | CMC-C2C-C1C | 2.62 | 129.12 | 125.03 |
| 30 | 13 | 302 | CLA | C1-O2A-CGA | 2.62 | 122.98 | 116.65 |
| 33 | B | 844 | BCR | C27-C26-C25 | 2.62 | 126.24 | 122.70 |
| 30 | 15 | 309 | CLA | C1-C2-C3 | -2.62 | 121.91 | 126.20 |
| 38 | 3 | 308 | KC1 | CHD-C4C-NC | 2.62 | 128.25 | 124.31 |
| 37 | 4 | 312 | A86 | C4-C3-C2 | -2.62 | 118.17 | 123.52 |
| 30 | A | 830 | CLA | CMA-C3A-C2A | -2.62 | 103.87 | 113.98 |
| 30 | A | 802 | CLA | O2A-CGA-CBA | 2.62 | 119.81 | 111.83 |
| 30 | 4 | 301 | CLA | CMB-C2B-C3B | 2.61 | 129.91 | 124.68 |
| 37 | 8 | 318 | A86 | C12-C11-C10 | -2.61 | 117.31 | 123.67 |
| 37 | 2 | 318 | A86 | C-C1-C24 | 2.61 | 122.08 | 118.09 |
| 37 | 7 | 315 | A86 | C4-C5-C6 | -2.61 | 123.61 | 127.28 |
| 39 | 13 | 314 | DD6 | C19-C18-C17 | 2.61 | 115.68 | 110.79 |
| 30 | A | 836 | CLA | CBC-CAC-C3C | -2.61 | 105.33 | 112.42 |
| 37 | 11 | 301 | A86 | C25-C24-C1 | -2.61 | 119.20 | 126.36 |
| 30 | B | 801 | CLA | O2A-CGA-CBA | 2.61 | 119.80 | 111.83 |
| 30 | A | 828 | CLA | OBD-CAD-C3D | -2.61 | 122.31 | 128.42 |
| 35 | B | 850 | LMT | C1'-C2'-C3' | 2.61 | 115.50 | 110.01 |
| 37 | 4 | 315 | A86 | C-C1-C24 | 2.61 | 122.08 | 118.09 |
| 37 | 13 | 313 | A86 | C7-C6-C5 | -2.61 | 118.59 | 122.82 |
| 36 | 6 | 301 | LMG | O7-C10-O9 | -2.61 | 117.60 | 123.70 |
| 30 | 9 | 307 | CLA | CAC-C3C-C4C | 2.61 | 128.19 | 124.79 |
| 30 | A | 820 | CLA | O2D-CGD-O1D | -2.61 | 118.77 | 123.85 |
| 39 | 11 | 313 | DD6 | C25-C24-C1 | -2.61 | 119.21 | 126.36 |
| 38 | 6 | 311 | KC1 | CAC-C3C-C4C | 2.61 | 128.19 | 124.79 |
| 37 | 5 | 301 | A86 | C3-C2-C1 | -2.61 | 123.62 | 127.28 |
| 30 | 2 | 308 | CLA | CHC-C1C-C2C | -2.61 | 119.55 | 126.94 |
| 39 | 2 | 315 | DD6 | C30-C29-C27 | -2.61 | 167.37 | 176.23 |
| 38 | 4 | 307 | KC1 | CHD-C4C-NC | 2.61 | 128.24 | 124.31 |
| 30 | A | 818 | CLA | CHC-C1C-C2C | -2.61 | 119.55 | 126.94 |
| 30 | 8 | 309 | CLA | CAC-C3C-C4C | 2.61 | 128.18 | 124.79 |
| 38 | 13 | 311 | KC1 | CAC-C3C-C4C | 2.61 | 128.18 | 124.79 |
| 37 | 15 | 317 | A86 | C3-C4-C5 | -2.61 | 118.18 | 123.52 |
| 30 | 5 | 309 | CLA | C1-C2-C3 | -2.61 | 121.92 | 126.20 |
| 30 | 4 | 306 | CLA | CAA-CBA-CGA | -2.61 | 105.81 | 113.21 |
| 30 | B | 828 | CLA | C1-O2A-CGA | 2.61 | 122.96 | 116.65 |
| 30 | A | 827 | CLA | CHC-C1C-C2C | -2.61 | 119.56 | 126.94 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 12 | 309 | KC1 | CBC-CAC-C3C | -2.61 | 105.36 | 112.42 |
| 30 | A | 823 | CLA | CMC-C2C-C1C | 2.61 | 129.10 | 125.03 |
| 39 | 2 | 315 | DD6 | C37-C36-C35 | -2.60 | 109.63 | 114.42 |
| 30 | 5 | 302 | CLA | CBA-CAA-C2A | 2.60 | 121.54 | 113.79 |
| 30 | 8 | 305 | CLA | CAA-C2A-C3A | -2.60 | 105.96 | 113.00 |
| 38 | 14 | 306 | KC1 | O2D-CGD-O1D | -2.60 | 118.78 | 123.85 |
| 30 | 15 | 312 | CLA | C2A-C3A-C4A | -2.60 | 97.67 | 101.87 |
| 38 | 12 | 305 | KC1 | CAA-CBA-CGA | -2.60 | 113.82 | 127.05 |
| 37 | 4 | 317 | A86 | C7-C6-C8 | 2.60 | 122.06 | 118.09 |
| 30 | 3 | 305 | CLA | C1-C2-C3 | -2.60 | 121.93 | 126.20 |
| 30 | B | 834 | CLA | CHC-C1C-C2C | -2.60 | 119.57 | 126.94 |
| 30 | 4 | 311 | CLA | C4C-C3C-C2C | -2.60 | 103.11 | 106.89 |
| 30 | A | 829 | CLA | CHB-C4A-NA | 2.60 | 128.15 | 124.40 |
| 30 | J | 101 | CLA | CMB-C2B-C3B | 2.60 | 129.88 | 124.68 |
| 30 | 2 | 310 | CLA | CBC-CAC-C3C | -2.60 | 105.37 | 112.42 |
| 38 | 6 | 308 | KC1 | CAC-C3C-C4C | 2.60 | 128.17 | 124.79 |
| 30 | 5 | 309 | CLA | O2A-CGA-CBA | 2.60 | 119.76 | 111.83 |
| 30 | 6 | 310 | CLA | CHB-C4A-NA | 2.60 | 128.15 | 124.40 |
| 30 | B | 804 | CLA | C4-C3-C5 | 2.60 | 119.74 | 115.23 |
| 30 | 6 | 310 | CLA | CHD-C4C-NC | 2.60 | 128.26 | 124.23 |
| 30 | B | 821 | CLA | C4-C3-C2 | -2.60 | 116.96 | 123.63 |
| 30 | 15 | 308 | CLA | CHB-C4A-NA | 2.60 | 128.15 | 124.40 |
| 39 | 13 | 314 | DD6 | C22-C16-C15 | 2.59 | 117.05 | 110.05 |
| 30 | 1 | 304 | CLA | CHC-C1C-C2C | -2.59 | 119.59 | 126.94 |
| 38 | 2 | 314 | KC1 | CAC-C3C-C4C | 2.59 | 128.16 | 124.79 |
| 38 | 13 | 311 | KC1 | CBC-CAC-C3C | -2.59 | 105.39 | 112.42 |
| 38 | 11 | 307 | KC1 | O2D-CGD-O1D | -2.59 | 118.80 | 123.85 |
| 39 | 9 | 314 | DD6 | C21-C20-C15 | -2.59 | 118.03 | 122.30 |
| 30 | A | 841 | CLA | O2A-CGA-O1A | -2.59 | 117.14 | 123.63 |
| 38 | 13 | 312 | KC1 | CBA-CAA-C2A | -2.59 | 115.04 | 125.45 |
| 30 | 6 | 317 | CLA | CHB-C4A-NA | 2.59 | 128.14 | 124.40 |
| 38 | 11 | 307 | KC1 | CMB-C2B-C1B | 2.59 | 129.29 | 124.73 |
| 30 | B | 817 | CLA | CHC-C1C-C2C | -2.59 | 119.60 | 126.94 |
| 30 | 3 | 310 | CLA | CAA-C2A-C3A | -2.59 | 105.99 | 113.00 |
| 30 | 12 | 310 | CLA | CMC-C2C-C1C | 2.59 | 129.09 | 125.03 |
| 30 | 3 | 309 | CLA | O2D-CGD-O1D | -2.59 | 118.80 | 123.85 |
| 30 | B | 803 | CLA | CAA-CBA-CGA | -2.59 | 105.85 | 113.21 |
| 30 | 6 | 310 | CLA | CAC-C3C-C4C | 2.59 | 128.16 | 124.79 |
| 30 | 8 | 301 | CLA | CBA-CAA-C2A | 2.59 | 121.50 | 113.79 |
| 30 | 1 | 305 | CLA | CAA-C2A-C3A | -2.59 | 106.00 | 113.00 |
| 38 | 6 | 311 | KC1 | O2D-CGD-O1D | -2.59 | 118.81 | 123.85 |
| 30 | 15 | 304 | CLA | C4-C3-C5 | 2.59 | 119.72 | 115.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 13 | 311 | KC1 | CMB-C2B-C1B | 2.59 | 129.29 | 124.73 |
| 38 | 16 | 311 | KC1 | CHD-C4C-NC | 2.59 | 128.21 | 124.31 |
| 30 | A | 805 | CLA | O1D-CGD-CBD | -2.59 | 119.41 | 124.52 |
| 30 | 14 | 307 | CLA | O2A-CGA-CBA | 2.59 | 119.73 | 111.83 |
| 30 | 8 | 305 | CLA | CMC-C2C-C1C | 2.59 | 129.08 | 125.03 |
| 33 | L | 201 | BCR | C16-C15-C14 | -2.59 | 118.22 | 123.52 |
| 30 | A | 834 | CLA | O2A-CGA-CBA | 2.59 | 119.72 | 111.83 |
| 30 | 6 | 315 | CLA | CAA-C2A-C3A | -2.59 | 106.01 | 113.00 |
| 30 | 7 | 310 | CLA | CHB-C4A-NA | 2.59 | 128.13 | 124.40 |
| 30 | 8 | 308 | CLA | CHB-C4A-NA | 2.59 | 128.13 | 124.40 |
| 37 | 4 | 314 | A86 | C12-C11-C13 | 2.59 | 120.19 | 116.00 |
| 38 | 3 | 311 | KC1 | CMB-C2B-C1B | 2.59 | 129.28 | 124.73 |
| 30 | A | 832 | CLA | CAA-C2A-C3A | -2.59 | 106.01 | 113.00 |
| 30 | 2u | 202 | CLA | O2A-CGA-CBA | 2.59 | 119.72 | 111.83 |
| 37 | 14 | 314 | A86 | C3-C4-C5 | 2.59 | 128.81 | 123.52 |
| 30 | 5 | 304 | CLA | CMC-C2C-C1C | 2.59 | 129.08 | 125.03 |
| 30 | 6 | 314 | CLA | CMC-C2C-C1C | 2.59 | 129.08 | 125.03 |
| 30 | 11 | 310 | CLA | CHD-C4C-NC | 2.59 | 128.24 | 124.23 |
| 30 | 11 | 309 | CLA | O1D-CGD-CBD | -2.59 | 119.42 | 124.52 |
| 30 | 9 | 307 | CLA | C1-C2-C3 | -2.58 | 121.96 | 126.20 |
| 38 | 1 | 308 | KC1 | CHD-C4C-NC | 2.58 | 128.20 | 124.31 |
| 30 | 5 | 308 | CLA | CHB-C4A-NA | 2.58 | 128.13 | 124.40 |
| 36 | A | 856 | LMG | O6-C1-O1 | -2.58 | 103.94 | 110.04 |
| 30 | B | 802 | CLA | C1-C2-C3 | -2.58 | 121.96 | 126.20 |
| 30 | B | 832 | CLA | C1-C2-C3 | -2.58 | 121.96 | 126.20 |
| 30 | 6 | 306 | CLA | CAC-C3C-C4C | 2.58 | 128.15 | 124.79 |
| 30 | 8 | 305 | CLA | O2D-CGD-O1D | -2.58 | 118.82 | 123.85 |
| 30 | A | 830 | CLA | CHC-C1C-C2C | -2.58 | 119.63 | 126.94 |
| 30 | A | 824 | CLA | CAC-C3C-C4C | 2.58 | 128.15 | 124.79 |
| 30 | A | 829 | CLA | CMC-C2C-C1C | 2.58 | 129.07 | 125.03 |
| 34 | B | 848 | LHG | C11-C10-C9 | -2.58 | 101.32 | 114.37 |
| 30 | B | 839 | CLA | CHA-C1A-NA | -2.58 | 120.55 | 126.39 |
| 30 | 7 | 307 | CLA | CHB-C4A-NA | 2.58 | 128.12 | 124.40 |
| 30 | B | 803 | CLA | CED-O2D-CGD | 2.58 | 121.77 | 115.92 |
| 30 | 3 | 307 | CLA | O2A-CGA-CBA | 2.58 | 119.70 | 111.83 |
| 30 | 2 | 305 | CLA | CMB-C2B-C3B | 2.58 | 129.84 | 124.68 |
| 30 | 4 | 309 | CLA | CMB-C2B-C3B | 2.58 | 129.84 | 124.68 |
| 30 | A | 814 | CLA | CHD-C4C-NC | 2.58 | 128.23 | 124.23 |
| 30 | 6 | 315 | CLA | CBC-CAC-C3C | -2.58 | 105.43 | 112.42 |
| 30 | 2 | 308 | CLA | CED-O2D-CGD | 2.58 | 121.77 | 115.92 |
| 30 | B | 835 | CLA | C1-C2-C3 | -2.58 | 121.97 | 126.20 |
| 30 | 14 | 313 | CLA | CAC-C3C-C4C | 2.58 | 128.15 | 124.79 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 819 | CLA | CHC-C1C-C2C | -2.58 | 119.64 | 126.94 |
| 30 | 1 | 301 | CLA | CHB-C4A-NA | 2.58 | 128.12 | 124.40 |
| 38 | 8 | 312 | KC1 | CHD-C4C-NC | 2.58 | 128.19 | 124.31 |
| 30 | A | 839 | CLA | O1D-CGD-CBD | -2.58 | 119.43 | 124.52 |
| 30 | A | 816 | CLA | CAA-C2A-C3A | -2.58 | 106.04 | 113.00 |
| 39 | 10 | 314 | DD6 | C25-C24-C1 | -2.58 | 119.30 | 126.36 |
| 30 | A | 813 | CLA | C1-C2-C3 | -2.58 | 121.98 | 126.20 |
| 30 | 15 | 307 | CLA | CHD-C4C-NC | 2.58 | 128.23 | 124.23 |
| 35 | A | 854 | LMT | C1B-C2B-C3B | 2.58 | 115.43 | 110.01 |
| 38 | 6 | 308 | KC1 | CMB-C2B-C1B | 2.58 | 129.26 | 124.73 |
| 30 | A | 822 | CLA | C1-C2-C3 | -2.58 | 121.98 | 126.20 |
| 38 | 6 | 311 | KC1 | CMB-C2B-C1B | 2.57 | 129.26 | 124.73 |
| 30 | B | 821 | CLA | CAA-C2A-C3A | -2.57 | 106.04 | 113.00 |
| 37 | 15 | 315 | A86 | C9-C8-C6 | 2.57 | 133.42 | 126.36 |
| 37 | 4 | 312 | A86 | C35-C34-C33 | 2.57 | 114.51 | 109.89 |
| 30 | 4 | 305 | CLA | C3B-C4B-NB | 2.57 | 112.54 | 109.21 |
| 33 | A | 847 | BCR | C11-C10-C9 | -2.57 | 123.67 | 127.28 |
| 30 | 11 | 306 | CLA | C3B-C4B-NB | 2.57 | 112.54 | 109.21 |
| 30 | 4 | 305 | CLA | CMC-C2C-C1C | 2.57 | 129.05 | 125.03 |
| 30 | 9 | 309 | CLA | CBC-CAC-C3C | -2.57 | 105.45 | 112.42 |
| 38 | 6 | 308 | KC1 | O2D-CGD-O1D | -2.57 | 118.84 | 123.85 |
| 38 | 6 | 312 | KC1 | CMB-C2B-C1B | 2.57 | 129.26 | 124.73 |
| 33 | B | 844 | BCR | C40-C30-C25 | 2.57 | 114.28 | 110.24 |
| 39 | 16 | 313 | DD6 | C10-C9-C8 | -2.57 | 115.75 | 123.20 |
| 30 | A | 828 | CLA | CAA-C2A-C3A | -2.57 | 106.05 | 113.00 |
| 38 | 3 | 311 | KC1 | O2D-CGD-O1D | -2.57 | 118.85 | 123.85 |
| 30 | 12 | 310 | CLA | C1-C2-C3 | -2.57 | 121.99 | 126.20 |
| 30 | A | 836 | CLA | CMA-C3A-C4A | -2.57 | 104.87 | 111.77 |
| 30 | A | 819 | CLA | O2A-CGA-CBA | 2.57 | 119.67 | 111.83 |
| 30 | A | 820 | CLA | CAA-C2A-C3A | -2.57 | 106.06 | 113.00 |
| 30 | A | 816 | CLA | CHB-C4A-NA | 2.57 | 128.11 | 124.40 |
| 30 | 9 | 306 | CLA | CHB-C4A-NA | 2.57 | 128.11 | 124.40 |
| 30 | 4 | 304 | CLA | CAA-C2A-C3A | -2.57 | 106.06 | 113.00 |
| 30 | 8 | 302 | CLA | O2A-CGA-CBA | 2.57 | 119.66 | 111.83 |
| 39 | 11 | 313 | DD6 | O1-C20-C21 | -2.57 | 112.18 | 115.05 |
| 30 | B | 813 | CLA | O2D-CGD-O1D | -2.57 | 118.85 | 123.85 |
| 30 | 9 | 305 | CLA | CMC-C2C-C1C | 2.57 | 129.04 | 125.03 |
| 38 | 8 | 314 | KC1 | C1A-NA-C4A | -2.57 | 105.51 | 106.68 |
| 38 | 13 | 312 | KC1 | CMB-C2B-C1B | 2.57 | 129.25 | 124.73 |
| 30 | 4 | 301 | CLA | CHB-C4A-NA | 2.57 | 128.10 | 124.40 |
| 30 | B | 802 | CLA | CHC-C1C-C2C | -2.57 | 119.67 | 126.94 |
| 30 | A | 814 | CLA | C4-C3-C5 | 2.57 | 119.68 | 115.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 6 | 312 | KC1 | CAC-C3C-C4C | 2.57 | 128.13 | 124.79 |
| 39 | 1 | 310 | DD6 | C25-C24-C1 | -2.57 | 119.33 | 126.36 |
| 30 | A | 842 | CLA | O2D-CGD-O1D | -2.57 | 118.85 | 123.85 |
| 30 | B | 817 | CLA | CMC-C2C-C1C | 2.57 | 129.04 | 125.03 |
| 30 | B | 815 | CLA | CHB-C4A-NA | 2.57 | 128.10 | 124.40 |
| 30 | 2 | 313 | CLA | CAA-C2A-C3A | -2.57 | 106.07 | 113.00 |
| 30 | B | 814 | CLA | CHB-C4A-NA | 2.56 | 128.10 | 124.40 |
| 30 | 16 | 301 | CLA | CHB-C4A-NA | 2.56 | 128.10 | 124.40 |
| 30 | A | 828 | CLA | CMB-C2B-C3B | 2.56 | 129.81 | 124.68 |
| 30 | B | 822 | CLA | CBC-CAC-C3C | -2.56 | 105.47 | 112.42 |
| 30 | 5 | 303 | CLA | CBC-CAC-C3C | -2.56 | 105.47 | 112.42 |
| 30 | 10 | 303 | CLA | CHB-C4A-NA | 2.56 | 128.10 | 124.40 |
| 39 | 6 | 303 | DD6 | C25-C24-C1 | -2.56 | 119.33 | 126.36 |
| 30 | 9 | 305 | CLA | CMB-C2B-C3B | 2.56 | 129.80 | 124.68 |
| 30 | 15 | 304 | CLA | CHB-C4A-NA | 2.56 | 128.10 | 124.40 |
| 37 | 16 | 314 | A86 | C7-C6-C8 | 2.56 | 122.00 | 118.09 |
| 37 | 9 | 315 | A86 | C21-C20-C15 | -2.56 | 115.08 | 123.35 |
| 37 | 14 | 317 | A86 | C35-C34-C33 | 2.56 | 114.49 | 109.89 |
| 30 | B | 821 | CLA | O2A-CGA-CBA | 2.56 | 119.65 | 111.83 |
| 38 | 16 | 311 | KC1 | O2D-CGD-O1D | -2.56 | 118.86 | 123.85 |
| 30 | 16 | 302 | CLA | C4-C3-C5 | 2.56 | 119.67 | 115.23 |
| 30 | 3 | 310 | CLA | CMC-C2C-C1C | 2.56 | 129.03 | 125.03 |
| 30 | 5 | 307 | CLA | C1B-CHB-C4A | -2.56 | 125.16 | 130.04 |
| 38 | 11 | 307 | KC1 | C4C-C3C-C2C | -2.56 | 103.17 | 106.89 |
| 30 | A | 836 | CLA | CMA-C3A-C2A | -2.56 | 104.09 | 113.98 |
| 30 | B | 851 | CLA | CED-O2D-CGD | 2.56 | 121.72 | 115.92 |
| 30 | A | 814 | CLA | CAA-C2A-C3A | -2.56 | 106.09 | 113.00 |
| 37 | 10 | 302 | A86 | C23-C16-C17 | -2.56 | 104.47 | 108.97 |
| 30 | 5 | 311 | CLA | CAC-C3C-C4C | 2.56 | 128.12 | 124.79 |
| 38 | 9 | 311 | KC1 | CMB-C2B-C1B | 2.56 | 129.23 | 124.73 |
| 38 | 12 | 311 | KC1 | CHB-C4A-NA | 2.56 | 128.20 | 124.23 |
| 33 | L | 204 | BCR | C1-C6-C5 | -2.56 | 119.14 | 122.64 |
| 30 | 2 | 309 | CLA | O2A-CGA-CBA | 2.56 | 119.63 | 111.83 |
| 30 | A | 823 | CLA | CAC-C3C-C4C | 2.56 | 128.12 | 124.79 |
| 30 | 2 | 309 | CLA | C1-C2-C3 | -2.56 | 122.01 | 126.20 |
| 30 | 7 | 312 | CLA | CMB-C2B-C3B | 2.56 | 129.79 | 124.68 |
| 30 | B | 811 | CLA | C4-C3-C5 | 2.56 | 119.66 | 115.23 |
| 39 | 1 | 310 | DD6 | C4-C3-C2 | -2.56 | 118.29 | 123.52 |
| 30 | 3 | 306 | CLA | CHB-C4A-NA | 2.56 | 128.09 | 124.40 |
| 30 | A | 843 | CLA | CMC-C2C-C1C | 2.56 | 129.03 | 125.03 |
| 30 | B | 837 | CLA | C4-C3-C5 | 2.56 | 119.66 | 115.23 |
| 38 | 13 | 306 | KC1 | CBA-CAA-C2A | -2.55 | 115.20 | 125.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 814 | CLA | CMB-C2B-C3B | 2.55 | 129.79 | 124.68 |
| 30 | B | 836 | CLA | CAC-C3C-C4C | 2.55 | 128.11 | 124.79 |
| 38 | 3 | 311 | KC1 | CHD-C4C-NC | 2.55 | 128.16 | 124.31 |
| 30 | A | 828 | CLA | CHB-C4A-NA | 2.55 | 128.09 | 124.40 |
| 30 | 7 | 306 | CLA | O2D-CGD-O1D | -2.55 | 118.88 | 123.85 |
| 30 | 7 | 311 | CLA | CAA-C2A-C3A | -2.55 | 106.10 | 113.00 |
| 30 | 5 | 309 | CLA | C4-C3-C5 | 2.55 | 119.66 | 115.23 |
| 30 | A | 804 | CLA | C1-C2-C3 | -2.55 | 122.02 | 126.20 |
| 30 | 14 | 313 | CLA | CBC-CAC-C3C | -2.55 | 105.50 | 112.42 |
| 38 | 6 | 311 | KC1 | CHD-C4C-NC | 2.55 | 128.15 | 124.31 |
| 30 | 15 | 310 | CLA | CAA-C2A-C3A | -2.55 | 106.11 | 113.00 |
| 38 | 9 | 312 | KC1 | CHD-C4C-NC | 2.55 | 128.15 | 124.31 |
| 30 | 2 | 309 | CLA | CHB-C4A-NA | 2.55 | 128.08 | 124.40 |
| 30 | 7 | 311 | CLA | CHD-C4C-NC | 2.55 | 128.18 | 124.23 |
| 38 | 8 | 313 | KC1 | C1C-C2C-C3C | -2.55 | 104.30 | 106.98 |
| 30 | 8 | 309 | CLA | CHD-C4C-NC | 2.55 | 128.18 | 124.23 |
| 30 | A | 803 | CLA | C1-O2A-CGA | 2.55 | 122.82 | 116.65 |
| 39 | 7 | 314 | DD6 | C3-C4-C5 | -2.55 | 118.31 | 123.52 |
| 38 | 8 | 307 | KC1 | O2D-CGD-O1D | -2.55 | 118.89 | 123.85 |
| 37 | 3 | 314 | A86 | C21-C20-C15 | -2.55 | 115.13 | 123.35 |
| 30 | B | 830 | CLA | O2A-CGA-CBA | 2.55 | 119.60 | 111.83 |
| 30 | B | 803 | CLA | CMB-C2B-C3B | 2.55 | 129.77 | 124.68 |
| 30 | 12 | 302 | CLA | CMB-C2B-C3B | 2.55 | 129.77 | 124.68 |
| 30 | A | 837 | CLA | CHD-C4C-NC | 2.55 | 128.18 | 124.23 |
| 30 | 4 | 306 | CLA | O2D-CGD-O1D | -2.55 | 118.89 | 123.85 |
| 30 | 6 | 307 | CLA | CHD-C4C-NC | 2.55 | 128.18 | 124.23 |
| 30 | 8 | 309 | CLA | CHB-C4A-NA | 2.55 | 128.07 | 124.40 |
| 33 | B | 846 | BCR | C10-C11-C12 | -2.55 | 115.82 | 123.20 |
| 39 | 7 | 317 | DD6 | C21-C20-C19 | -2.55 | 111.38 | 114.24 |
| 38 | 11 | 312 | KC1 | CHD-C4C-NC | 2.54 | 128.14 | 124.31 |
| 30 | A | 823 | CLA | C4A-NA-C1A | -2.54 | 105.52 | 106.68 |
| 37 | 5 | 301 | A86 | C9-C10-C11 | -2.54 | 119.45 | 126.64 |
| 30 | A | 833 | CLA | CHB-C4A-NA | 2.54 | 128.07 | 124.40 |
| 30 | 6 | 317 | CLA | CBC-CAC-C3C | -2.54 | 105.53 | 112.42 |
| 30 | A | 818 | CLA | CHB-C4A-NA | 2.54 | 128.07 | 124.40 |
| 37 | 7 | 316 | A86 | C19-C18-C17 | -2.54 | 106.03 | 110.79 |
| 39 | 7 | 302 | DD6 | O1-C20-C21 | -2.54 | 112.21 | 115.05 |
| 38 | 14 | 306 | KC1 | O1D-CGD-CBD | -2.54 | 119.50 | 124.52 |
| 30 | A | 805 | CLA | CHB-C4A-NA | 2.54 | 128.07 | 124.40 |
| 30 | 15 | 304 | CLA | CAA-C2A-C3A | -2.54 | 106.13 | 113.00 |
| 30 | A | 824 | CLA | O2D-CGD-O1D | -2.54 | 118.90 | 123.85 |
| 30 | B | 802 | CLA | O2A-CGA-O1A | -2.54 | 117.27 | 123.63 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 11 | 316 | A86 | C21-C20-C15 | -2.54 | 115.15 | 123.35 |
| 29 | A | 801 | CL0 | CHB-C4A-NA | 2.54 | 128.07 | 124.40 |
| 38 | 12 | 311 | KC1 | CAA-CBA-CGA | -2.54 | 114.13 | 127.05 |
| 30 | 12 | 312 | CLA | CMC-C2C-C1C | 2.54 | 129.00 | 125.03 |
| 30 | 11 | 309 | CLA | CAA-C2A-C3A | -2.54 | 106.13 | 113.00 |
| 30 | 7 | 310 | CLA | C1-C2-C3 | -2.54 | 122.03 | 126.20 |
| 30 | A | 831 | CLA | O2A-CGA-CBA | 2.54 | 119.58 | 111.83 |
| 30 | 1 | 307 | CLA | CHB-C4A-NA | 2.54 | 128.06 | 124.40 |
| 30 | B | 825 | CLA | OBD-CAD-C3D | -2.54 | 122.48 | 128.42 |
| 38 | 7 | 308 | KC1 | CAA-C2A-C1A | -2.54 | 113.52 | 124.64 |
| 30 | 6 | 305 | CLA | CMC-C2C-C1C | 2.54 | 129.00 | 125.03 |
| 30 | 9 | 309 | CLA | CAC-C3C-C4C | 2.54 | 128.09 | 124.79 |
| 30 | 1 | 307 | CLA | C4-C3-C5 | 2.54 | 119.63 | 115.23 |
| 30 | 7 | 303 | CLA | CHC-C1C-C2C | -2.54 | 119.76 | 126.94 |
| 30 | A | 817 | CLA | CAA-C2A-C3A | -2.54 | 106.14 | 113.00 |
| 30 | B | 837 | CLA | CAA-C2A-C3A | -2.54 | 106.14 | 113.00 |
| 30 | 7 | 304 | CLA | CMB-C2B-C3B | 2.54 | 129.75 | 124.68 |
| 38 | 11 | 312 | KC1 | CHB-C4A-NA | 2.54 | 128.16 | 124.23 |
| 30 | 3 | 306 | CLA | CBC-CAC-C3C | -2.54 | 105.55 | 112.42 |
| 38 | 4 | 307 | KC1 | CBC-CAC-C3C | -2.54 | 105.55 | 112.42 |
| 30 | B | 851 | CLA | CAA-CBA-CGA | -2.54 | 106.01 | 113.21 |
| 38 | 14 | 306 | KC1 | CAA-C2A-C1A | -2.53 | 113.53 | 124.64 |
| 30 | 5 | 307 | CLA | O2A-CGA-CBA | 2.53 | 119.56 | 111.83 |
| 30 | B | 827 | CLA | CMC-C2C-C1C | 2.53 | 129.00 | 125.03 |
| 38 | 8 | 313 | KC1 | CED-O2D-CGD | 2.53 | 121.66 | 115.92 |
| 35 | A | 854 | LMT | O1B-C4'-C3' | 2.53 | 113.67 | 107.23 |
| 38 | 16 | 304 | KC1 | O2D-CGD-O1D | -2.53 | 118.92 | 123.85 |
| 38 | 4 | 308 | KC1 | CHB-C4A-NA | 2.53 | 128.16 | 124.23 |
| 30 | 15 | 303 | CLA | O2D-CGD-O1D | -2.53 | 118.92 | 123.85 |
| 38 | 13 | 305 | KC1 | CHD-C4C-NC | 2.53 | 128.12 | 124.31 |
| 30 | B | 809 | CLA | O2A-CGA-CBA | 2.53 | 119.55 | 111.83 |
| 30 | J | 101 | CLA | CMC-C2C-C1C | 2.53 | 128.99 | 125.03 |
| 30 | B | 812 | CLA | CHD-C4C-NC | 2.53 | 128.16 | 124.23 |
| 30 | 12 | 321 | CLA | C1-C2-C3 | -2.53 | 122.05 | 126.20 |
| 30 | A | 839 | CLA | O2A-CGA-O1A | -2.53 | 117.30 | 123.63 |
| 30 | 4 | 304 | CLA | O2A-CGA-O1A | -2.53 | 117.30 | 123.63 |
| 30 | B | 813 | CLA | C1C-C2C-C3C | -2.53 | 104.32 | 106.98 |
| 37 | 14 | 320 | A86 | C40-C32-C31 | -2.53 | 108.21 | 110.47 |
| 30 | B | 824 | CLA | CHB-C4A-NA | 2.53 | 128.05 | 124.40 |
| 30 | 9 | 303 | CLA | CBC-CAC-C3C | -2.53 | 105.56 | 112.42 |
| 30 | 3 | 303 | CLA | C4-C3-C5 | 2.53 | 119.62 | 115.23 |
| 30 | 14 | 303 | CLA | CBC-CAC-C3C | -2.53 | 105.56 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | F | 202 | CLA | O2D-CGD-O1D | -2.53 | 118.92 | 123.85 |
| 37 | 8 | 315 | A86 | C7-C6-C8 | 2.53 | 121.95 | 118.09 |
| 30 | A | 841 | CLA | CHB-C4A-NA | 2.53 | 128.05 | 124.40 |
| 30 | 6 | 317 | CLA | CAC-C3C-C4C | 2.53 | 128.08 | 124.79 |
| 38 | 12 | 305 | KC1 | CMB-C2B-C1B | 2.53 | 129.18 | 124.73 |
| 30 | B | 820 | CLA | O2D-CGD-O1D | -2.53 | 118.93 | 123.85 |
| 37 | 16 | 314 | A86 | C12-C11-C13 | 2.53 | 120.10 | 116.00 |
| 30 | 5 | 303 | CLA | O2A-CGA-CBA | 2.53 | 119.54 | 111.83 |
| 30 | B | 807 | CLA | CHD-C4C-NC | 2.53 | 128.15 | 124.23 |
| 30 | A | 804 | CLA | CMA-C3A-C4A | -2.53 | 104.98 | 111.77 |
| 30 | 12 | 308 | CLA | C4-C3-C5 | 2.53 | 119.61 | 115.23 |
| 30 | 15 | 313 | CLA | CBC-CAC-C3C | -2.53 | 105.57 | 112.42 |
| 30 | 14 | 309 | CLA | CHD-C4C-NC | 2.53 | 128.15 | 124.23 |
| 38 | 13 | 308 | KC1 | CMB-C2B-C1B | 2.53 | 129.18 | 124.73 |
| 38 | 12 | 311 | KC1 | CBC-CAC-C3C | -2.52 | 105.58 | 112.42 |
| 30 | B | 831 | CLA | O2A-CGA-CBA | 2.52 | 119.53 | 111.83 |
| 30 | 4 | 303 | CLA | O2A-CGA-CBA | 2.52 | 119.53 | 111.83 |
| 37 | 15 | 322 | A86 | C23-C16-C17 | -2.52 | 104.53 | 108.97 |
| 38 | 16 | 304 | KC1 | CMB-C2B-C1B | 2.52 | 129.17 | 124.73 |
| 30 | 8 | 303 | CLA | O2A-CGA-CBA | 2.52 | 119.53 | 111.83 |
| 30 | A | 832 | CLA | CHB-C4A-NA | 2.52 | 128.04 | 124.40 |
| 30 | 2 | 305 | CLA | C1-O2A-CGA | 2.52 | 122.76 | 116.65 |
| 37 | 13 | 315 | A86 | C21-C20-C15 | -2.52 | 115.21 | 123.35 |
| 37 | 10 | 301 | A86 | C7-C6-C8 | 2.52 | 121.94 | 118.09 |
| 30 | 7 | 311 | CLA | CMC-C2C-C1C | 2.52 | 128.97 | 125.03 |
| 39 | 7 | 317 | DD6 | C3-C4-C5 | -2.52 | 118.36 | 123.52 |
| 36 | B | 847 | LMG | C40-C39-C38 | -2.52 | 101.63 | 114.37 |
| 30 | 5 | 303 | CLA | CMC-C2C-C1C | 2.52 | 128.97 | 125.03 |
| 38 | 2 | 312 | KC1 | CMB-C2B-C1B | 2.52 | 129.16 | 124.73 |
| 30 | 2 | 301 | CLA | CHB-C4A-NA | 2.52 | 128.04 | 124.40 |
| 30 | 4 | 311 | CLA | CHB-C4A-NA | 2.52 | 128.04 | 124.40 |
| 30 | 9 | 305 | CLA | CHB-C4A-NA | 2.52 | 128.04 | 124.40 |
| 30 | 8 | 301 | CLA | CMA-C3A-C2A | -2.52 | 104.24 | 113.98 |
| 37 | 3 | 315 | A86 | C9-C8-C6 | -2.52 | 119.46 | 126.36 |
| 30 | 8 | 309 | CLA | CAA-C2A-C3A | -2.52 | 106.19 | 113.00 |
| 30 | 10 | 307 | CLA | O2A-CGA-CBA | 2.52 | 119.51 | 111.83 |
| 30 | B | 803 | CLA | CHC-C1C-NC | 2.52 | 128.10 | 124.31 |
| 30 | 15 | 313 | CLA | C1-C2-C3 | -2.52 | 122.07 | 126.20 |
| 30 | 2 | 304 | CLA | O1D-CGD-CBD | -2.52 | 119.55 | 124.52 |
| 30 | B | 822 | CLA | CHD-C4C-NC | 2.52 | 128.14 | 124.23 |
| 30 | F | 203 | CLA | O2D-CGD-O1D | -2.52 | 118.95 | 123.85 |
| 30 | B | 806 | CLA | O2A-CGA-CBA | 2.52 | 119.51 | 111.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 302 | CLA | CMB-C2B-C3B | 2.52 | 129.71 | 124.68 |
| 30 | 6 | 310 | CLA | C4-C3-C5 | 2.52 | 119.60 | 115.23 |
| 38 | 8 | 310 | KC1 | C1C-C2C-C3C | -2.52 | 104.33 | 106.98 |
| 30 | 6 | 306 | CLA | CMB-C2B-C3B | 2.52 | 129.71 | 124.68 |
| 30 | 13 | 302 | CLA | CMC-C2C-C1C | 2.52 | 128.97 | 125.03 |
| 30 | A | 815 | CLA | CHB-C4A-NA | 2.52 | 128.03 | 124.40 |
| 38 | 5 | 310 | KC1 | O2D-CGD-O1D | -2.52 | 118.95 | 123.85 |
| 37 | 2u | 205 | A86 | C41-C32-C31 | -2.52 | 108.22 | 110.47 |
| 30 | 11 | 310 | CLA | CMB-C2B-C3B | 2.51 | 129.71 | 124.68 |
| 30 | 3 | 302 | CLA | CMC-C2C-C1C | 2.51 | 128.96 | 125.03 |
| 33 | L | 201 | BCR | C27-C26-C25 | 2.51 | 126.10 | 122.70 |
| 30 | F | 201 | CLA | C3B-C4B-NB | 2.51 | 112.46 | 109.21 |
| 30 | B | 811 | CLA | O2A-CGA-CBA | 2.51 | 119.50 | 111.83 |
| 31 | B | 840 | PQN | C2M-C2-C3 | -2.51 | 120.32 | 124.45 |
| 33 | M | 101 | BCR | C15-C14-C13 | -2.51 | 123.75 | 127.28 |
| 30 | B | 830 | CLA | CHB-C4A-NA | 2.51 | 128.03 | 124.40 |
| 38 | 12 | 309 | KC1 | CAC-C3C-C4C | 2.51 | 128.06 | 124.79 |
| 38 | 11 | 307 | KC1 | CHD-C4C-NC | 2.51 | 128.09 | 124.31 |
| 30 | 3 | 306 | CLA | O2D-CGD-O1D | -2.51 | 118.96 | 123.85 |
| 38 | 1 | 308 | KC1 | O2D-CGD-O1D | -2.51 | 118.96 | 123.85 |
| 33 | 2u | 201 | BCR | C28-C27-C26 | -2.51 | 109.58 | 114.06 |
| 34 | 2 | 320 | LHG | C11-C10-C9 | -2.51 | 101.67 | 114.37 |
| 38 | 13 | 312 | KC1 | CBC-CAC-C3C | -2.51 | 105.61 | 112.42 |
| 30 | 1 | 305 | CLA | CHD-C4C-NC | 2.51 | 128.12 | 124.23 |
| 30 | 15 | 306 | CLA | CHD-C4C-NC | 2.51 | 128.12 | 124.23 |
| 37 | 12 | 314 | A86 | C25-C26-C27 | -2.51 | 123.76 | 127.28 |
| 30 | 15 | 314 | CLA | CHD-C4C-NC | 2.51 | 128.12 | 124.23 |
| 30 | 1 | 303 | CLA | C4-C3-C5 | 2.51 | 119.58 | 115.23 |
| 37 | 12 | 316 | A86 | C36-C31-C32 | -2.51 | 117.21 | 119.70 |
| 30 | 15 | 306 | CLA | O1D-CGD-CBD | -2.51 | 119.57 | 124.52 |
| 30 | 14 | 303 | CLA | CMC-C2C-C1C | 2.51 | 128.96 | 125.03 |
| 30 | 8 | 304 | CLA | C1-O2A-CGA | 2.51 | 122.72 | 116.65 |
| 30 | 14 | 303 | CLA | CBA-CAA-C2A | 2.51 | 121.26 | 113.79 |
| 30 | B | 806 | CLA | C1-C2-C3 | -2.51 | 122.09 | 126.20 |
| 33 | B | 842 | BCR | C29-C30-C25 | 2.51 | 114.08 | 110.44 |
| 37 | 14 | 316 | A86 | C21-C20-C15 | -2.51 | 115.26 | 123.35 |
| 38 | 13 | 305 | KC1 | CMB-C2B-C1B | 2.51 | 129.14 | 124.73 |
| 33 | A | 847 | BCR | C7-C8-C9 | -2.51 | 122.53 | 126.23 |
| 30 | A | 843 | CLA | C4-C3-C5 | 2.51 | 119.58 | 115.23 |
| 30 | B | 819 | CLA | CAA-C2A-C3A | -2.50 | 106.23 | 113.00 |
| 30 | 2 | 307 | CLA | CHD-C4C-NC | 2.50 | 128.12 | 124.23 |
| 30 | 2 | 304 | CLA | CBC-CAC-C3C | -2.50 | 105.63 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 11 | 304 | CLA | CHB-C4A-NA | 2.50 | 128.01 | 124.40 |
| 30 | B | 837 | CLA | CMC-C2C-C1C | 2.50 | 128.95 | 125.03 |
| 30 | 6 | 304 | CLA | C4C-C3C-C2C | -2.50 | 103.25 | 106.89 |
| 30 | 5 | 302 | CLA | CMA-C3A-C2A | -2.50 | 104.31 | 113.98 |
| 37 | 15 | 317 | A86 | C21-C20-C15 | -2.50 | 115.27 | 123.35 |
| 30 | 9 | 302 | CLA | CHD-C4C-NC | 2.50 | 128.11 | 124.23 |
| 30 | 2 | 309 | CLA | C4-C3-C5 | 2.50 | 119.57 | 115.23 |
| 37 | 16 | 312 | A86 | C7-C6-C5 | -2.50 | 118.76 | 122.82 |
| 30 | B | 818 | CLA | CMB-C2B-C3B | 2.50 | 129.68 | 124.68 |
| 30 | 15 | 309 | CLA | CHB-C4A-NA | 2.50 | 128.01 | 124.40 |
| 30 | B | 808 | CLA | C4-C3-C5 | 2.50 | 119.57 | 115.23 |
| 30 | 7 | 305 | CLA | O2A-CGA-CBA | 2.50 | 119.46 | 111.83 |
| 37 | 11 | 316 | A86 | C-C1-C24 | 2.50 | 121.91 | 118.09 |
| 30 | A | 813 | CLA | CAC-C3C-C4C | 2.50 | 128.04 | 124.79 |
| 30 | 11 | 308 | CLA | CAC-C3C-C4C | 2.50 | 128.04 | 124.79 |
| 30 | 12 | 310 | CLA | CAC-C3C-C4C | 2.50 | 128.04 | 124.79 |
| 30 | L | 202 | CLA | C4A-NA-C1A | -2.50 | 105.54 | 106.68 |
| 30 | A | 804 | CLA | O1D-CGD-CBD | -2.50 | 119.59 | 124.52 |
| 30 | 16 | 310 | CLA | O1D-CGD-CBD | 2.50 | 129.45 | 124.52 |
| 30 | 6 | 309 | CLA | O2D-CGD-O1D | -2.50 | 118.98 | 123.85 |
| 30 | 5 | 302 | CLA | CMB-C2B-C3B | 2.50 | 129.68 | 124.68 |
| 30 | 11 | 309 | CLA | CHD-C4C-NC | 2.50 | 128.11 | 124.23 |
| 38 | 3 | 308 | KC1 | O2D-CGD-O1D | -2.50 | 118.98 | 123.85 |
| 30 | 9 | 302 | CLA | CMB-C2B-C3B | 2.50 | 129.68 | 124.68 |
| 38 | 2 | 312 | KC1 | CHD-C4C-NC | 2.50 | 128.07 | 124.31 |
| 30 | 9 | 306 | CLA | CAA-C2A-C3A | -2.50 | 106.25 | 113.00 |
| 30 | 9 | 306 | CLA | O2D-CGD-O1D | -2.50 | 118.98 | 123.85 |
| 37 | 15 | 321 | A86 | C-C1-C24 | 2.50 | 121.91 | 118.09 |
| 30 | A | 828 | CLA | O1D-CGD-CBD | -2.50 | 119.59 | 124.52 |
| 30 | 9 | 303 | CLA | C1-C2-C3 | -2.50 | 122.10 | 126.20 |
| 30 | A | 837 | CLA | CMB-C2B-C3B | 2.50 | 129.68 | 124.68 |
| 30 | B | 817 | CLA | C1-C2-C3 | -2.50 | 122.11 | 126.20 |
| 30 | 1 | 304 | CLA | C4-C3-C5 | 2.50 | 119.56 | 115.23 |
| 30 | 4 | 306 | CLA | CHB-C4A-NA | 2.50 | 128.00 | 124.40 |
| 37 | 15 | 323 | A86 | C21-C20-C15 | -2.50 | 115.29 | 123.35 |
| 30 | 16 | 301 | CLA | C4-C3-C5 | 2.50 | 119.56 | 115.23 |
| 30 | 6 | 307 | CLA | CMA-C3A-C4A | -2.50 | 105.06 | 111.77 |
| 30 | 3 | 305 | CLA | CBC-CAC-C3C | -2.50 | 105.65 | 112.42 |
| 36 | 8 | 319 | LMG | O3-C3-C2 | -2.50 | 104.49 | 110.38 |
| 30 | A | 826 | CLA | CHD-C4C-NC | 2.50 | 128.10 | 124.23 |
| 30 | 5 | 304 | CLA | O2D-CGD-O1D | -2.50 | 118.99 | 123.85 |
| 30 | B | 827 | CLA | CHD-C4C-NC | 2.50 | 128.10 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 833 | CLA | CAC-C3C-C4C | 2.49 | 128.04 | 124.79 |
| 30 | 11 | 306 | CLA | CMB-C2B-C3B | 2.49 | 129.67 | 124.68 |
| 30 | A | 834 | CLA | C1-C2-C3 | -2.49 | 122.11 | 126.20 |
| 30 | 6 | 306 | CLA | CHB-C4A-NA | 2.49 | 128.00 | 124.40 |
| 30 | A | 826 | CLA | CMC-C2C-C1C | 2.49 | 128.93 | 125.03 |
| 30 | A | 820 | CLA | CHD-C4C-NC | 2.49 | 128.10 | 124.23 |
| 36 | F | 205 | LMG | O7-C10-O9 | -2.49 | 117.88 | 123.70 |
| 38 | 1 | 308 | KC1 | CAC-C3C-C4C | 2.49 | 128.03 | 124.79 |
| 39 | 10 | 313 | DD6 | C19-C18-C17 | 2.49 | 115.45 | 110.79 |
| 30 | A | 819 | CLA | CMC-C2C-C1C | 2.49 | 128.93 | 125.03 |
| 30 | 2 | 309 | CLA | CMC-C2C-C1C | 2.49 | 128.93 | 125.03 |
| 37 | 5 | 316 | A86 | C3-C4-C5 | -2.49 | 118.42 | 123.52 |
| 38 | 8 | 306 | KC1 | CHB-C4A-NA | 2.49 | 128.09 | 124.23 |
| 37 | 4 | 314 | A86 | C24-C1-C2 | 2.49 | 122.93 | 119.01 |
| 30 | 15 | 313 | CLA | O2D-CGD-O1D | -2.49 | 119.00 | 123.85 |
| 30 | A | 844 | CLA | C4-C3-C5 | 2.49 | 119.55 | 115.23 |
| 37 | 14 | 314 | A86 | C23-C16-C17 | -2.49 | 104.59 | 108.97 |
| 30 | A | 823 | CLA | O2A-CGA-CBA | 2.49 | 119.43 | 111.83 |
| 30 | A | 843 | CLA | O2D-CGD-O1D | -2.49 | 119.00 | 123.85 |
| 38 | 4 | 308 | KC1 | CHC-C4B-C3B | -2.49 | 121.01 | 125.21 |
| 30 | 10 | 304 | CLA | O2A-CGA-CBA | 2.49 | 119.42 | 111.83 |
| 37 | 9 | 316 | A86 | C9-C10-C11 | -2.49 | 119.60 | 126.64 |
| 37 | 14 | 314 | A86 | C25-C24-C1 | -2.49 | 119.54 | 126.36 |
| 38 | 9 | 304 | KC1 | CMC-C2C-C1C | 2.49 | 128.92 | 125.03 |
| 30 | B | 805 | CLA | CHD-C4C-NC | 2.49 | 128.09 | 124.23 |
| 37 | 14 | 318 | A86 | C21-C20-C15 | -2.49 | 115.32 | 123.35 |
| 30 | 7 | 306 | CLA | CMC-C2C-C1C | 2.49 | 128.92 | 125.03 |
| 30 | 15 | 305 | CLA | CHD-C4C-NC | 2.49 | 128.09 | 124.23 |
| 30 | A | 806 | CLA | CBC-CAC-C3C | -2.49 | 105.68 | 112.42 |
| 30 | 7 | 303 | CLA | C3B-C4B-NB | 2.49 | 112.43 | 109.21 |
| 39 | 12 | 317 | DD6 | C19-C18-C17 | 2.49 | 115.44 | 110.79 |
| 37 | 4 | 312 | A86 | C10-C9-C8 | -2.49 | 116.00 | 123.20 |
| 30 | 4 | 304 | CLA | O2D-CGD-O1D | -2.49 | 119.01 | 123.85 |
| 30 | 15 | 304 | CLA | O2A-CGA-CBA | 2.49 | 119.42 | 111.83 |
| 30 | 6 | 314 | CLA | C4C-C3C-C2C | -2.49 | 103.27 | 106.89 |
| 38 | 2 | 306 | KC1 | O1D-CGD-CBD | -2.49 | 119.61 | 124.52 |
| 38 | 1 | 306 | KC1 | CHD-C4C-NC | 2.49 | 128.06 | 124.31 |
| 30 | 5 | 304 | CLA | C4-C3-C5 | 2.49 | 119.54 | 115.23 |
| 30 | A | 823 | CLA | O1D-CGD-CBD | -2.49 | 119.62 | 124.52 |
| 30 | 15 | 310 | CLA | O2D-CGD-O1D | -2.48 | 119.01 | 123.85 |
| 30 | 14 | 302 | CLA | CHB-C4A-NA | 2.48 | 127.99 | 124.40 |
| 30 | 4 | 304 | CLA | CBC-CAC-C3C | -2.48 | 105.68 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 1 | 301 | CLA | O2A-CGA-CBA | 2.48 | 119.41 | 111.83 |
| 30 | 14 | 305 | CLA | CMB-C2B-C3B | 2.48 | 129.65 | 124.68 |
| 38 | 12 | 309 | KC1 | CHB-C4A-NA | 2.48 | 128.08 | 124.23 |
| 30 | 1 | 307 | CLA | CBC-CAC-C3C | -2.48 | 105.69 | 112.42 |
| 29 | A | 801 | CL0 | C4-C3-C5 | 2.48 | 119.54 | 115.23 |
| 38 | 2 | 314 | KC1 | CAA-C2A-C1A | -2.48 | 113.76 | 124.64 |
| 30 | 8 | 304 | CLA | CBA-CAA-C2A | 2.48 | 121.18 | 113.79 |
| 30 | A | 815 | CLA | CHD-C4C-NC | 2.48 | 128.08 | 124.23 |
| 30 | 14 | 303 | CLA | O1D-CGD-CBD | -2.48 | 119.62 | 124.52 |
| 30 | 12 | 303 | CLA | O2A-CGA-CBA | 2.48 | 119.40 | 111.83 |
| 30 | 14 | 310 | CLA | CBC-CAC-C3C | -2.48 | 105.69 | 112.42 |
| 30 | 2 | 304 | CLA | CAA-C2A-C3A | -2.48 | 106.29 | 113.00 |
| 38 | 10 | 312 | KC1 | CBC-CAC-C3C | -2.48 | 105.69 | 112.42 |
| 38 | 12 | 305 | KC1 | O2D-CGD-O1D | -2.48 | 119.02 | 123.85 |
| 30 | A | 818 | CLA | O2D-CGD-O1D | -2.48 | 119.03 | 123.85 |
| 30 | 16 | 302 | CLA | CMC-C2C-C1C | 2.48 | 128.91 | 125.03 |
| 30 | 2 | 305 | CLA | O1D-CGD-CBD | -2.48 | 119.63 | 124.52 |
| 37 | 5 | 301 | A86 | C25-C26-C27 | -2.48 | 123.81 | 127.28 |
| 39 | 5 | 314 | DD6 | C4-C3-C2 | -2.48 | 118.45 | 123.52 |
| 30 | A | 810 | CLA | CHD-C4C-NC | 2.48 | 128.07 | 124.23 |
| 30 | 4 | 302 | CLA | CBA-CAA-C2A | 2.48 | 121.16 | 113.79 |
| 30 | 7 | 310 | CLA | O2A-CGA-CBA | 2.48 | 119.38 | 111.83 |
| 30 | 1 | 303 | CLA | CHB-C4A-NA | 2.48 | 127.97 | 124.40 |
| 30 | 15 | 302 | CLA | C1-C2-C3 | -2.47 | 122.14 | 126.20 |
| 30 | B | 812 | CLA | O2A-CGA-CBA | 2.47 | 119.38 | 111.83 |
| 30 | B | 815 | CLA | O1D-CGD-CBD | -2.47 | 119.64 | 124.52 |
| 38 | 11 | 305 | KC1 | CMB-C2B-C1B | 2.47 | 129.09 | 124.73 |
| 38 | 13 | 305 | KC1 | CAA-CBA-CGA | -2.47 | 114.47 | 127.05 |
| 30 | 14 | 302 | CLA | CBC-CAC-C3C | -2.47 | 105.72 | 112.42 |
| 38 | 10 | 310 | KC1 | CHD-C4C-NC | 2.47 | 128.03 | 124.31 |
| 30 | A | 819 | CLA | O2D-CGD-O1D | -2.47 | 119.04 | 123.85 |
| 30 | 14 | 305 | CLA | CBC-CAC-C3C | -2.47 | 105.72 | 112.42 |
| 30 | A | 841 | CLA | C4-C3-C5 | 2.47 | 119.52 | 115.23 |
| 37 | 2 | 319 | A86 | C9-C10-C11 | -2.47 | 119.66 | 126.64 |
| 30 | 5 | 307 | CLA | CBC-CAC-C3C | -2.47 | 105.72 | 112.42 |
| 30 | B | 806 | CLA | CAC-C3C-C4C | 2.47 | 128.00 | 124.79 |
| 39 | 3 | 316 | DD6 | C14-C13-C11 | -2.47 | 121.70 | 125.53 |
| 30 | A | 834 | CLA | CMA-C3A-C2A | -2.47 | 104.43 | 113.98 |
| 30 | 6 | 316 | CLA | CHB-C4A-NA | 2.47 | 127.96 | 124.40 |
| 30 | 7 | 304 | CLA | CAC-C3C-C4C | 2.47 | 128.00 | 124.79 |
| 30 | L | 203 | CLA | O2D-CGD-O1D | -2.47 | 119.04 | 123.85 |
| 30 | 10 | 308 | CLA | CBC-CAC-C3C | -2.47 | 105.73 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 816 | CLA | C4A-NA-C1A | -2.47 | 105.55 | 106.68 |
| 33 | B | 844 | BCR | C2-C1-C6 | 2.47 | 114.02 | 110.44 |
| 30 | 8 | 309 | CLA | O2A-CGA-CBA | 2.47 | 119.36 | 111.83 |
| 37 | 16 | 314 | A86 | C10-C9-C8 | -2.47 | 116.05 | 123.20 |
| 30 | B | 817 | CLA | CHB-C4A-NA | 2.47 | 127.96 | 124.40 |
| 30 | 13 | 304 | CLA | CBC-CAC-C3C | -2.47 | 105.73 | 112.42 |
| 39 | 3 | 313 | DD6 | C15-C14-C13 | -2.47 | 120.78 | 125.99 |
| 36 | B | 847 | LMG | C38-C37-C36 | -2.47 | 101.90 | 114.37 |
| 30 | 8 | 308 | CLA | CMB-C2B-C3B | 2.47 | 129.61 | 124.68 |
| 30 | A | 837 | CLA | CBC-CAC-C3C | -2.47 | 105.73 | 112.42 |
| 38 | 4 | 310 | KC1 | CHB-C4A-NA | 2.47 | 128.06 | 124.23 |
| 33 | A | 849 | BCR | C15-C16-C17 | -2.47 | 118.47 | 123.52 |
| 30 | B | 826 | CLA | C4-C3-C5 | 2.47 | 119.51 | 115.23 |
| 39 | 10 | 313 | DD6 | C25-C24-C1 | -2.46 | 119.61 | 126.36 |
| 30 | A | 814 | CLA | CHC-C1C-NC | 2.46 | 128.02 | 124.31 |
| 39 | 7 | 314 | DD6 | C26-C25-C24 | -2.46 | 116.06 | 123.20 |
| 37 | 13 | 313 | A86 | C4-C3-C2 | -2.46 | 118.48 | 123.52 |
| 30 | B | 819 | CLA | C3B-C4B-NB | 2.46 | 112.39 | 109.21 |
| 30 | A | 803 | CLA | C4-C3-C5 | 2.46 | 119.50 | 115.23 |
| 30 | 2 | 301 | CLA | CHD-C4C-NC | 2.46 | 128.05 | 124.23 |
| 30 | A | 834 | CLA | O2D-CGD-O1D | -2.46 | 119.05 | 123.85 |
| 30 | 7 | 306 | CLA | O2A-CGA-CBA | 2.46 | 119.34 | 111.83 |
| 37 | 14 | 316 | A86 | C4-C3-C2 | -2.46 | 118.48 | 123.52 |
| 30 | F | 201 | CLA | CMC-C2C-C1C | 2.46 | 128.88 | 125.03 |
| 30 | 16 | 308 | CLA | CAA-C2A-C3A | -2.46 | 106.34 | 113.00 |
| 30 | L | 202 | CLA | O2A-CGA-CBA | 2.46 | 119.34 | 111.83 |
| 30 | A | 809 | CLA | CHB-C4A-NA | 2.46 | 127.95 | 124.40 |
| 30 | B | 825 | CLA | CAC-C3C-C4C | 2.46 | 127.99 | 124.79 |
| 30 | 2 | 303 | CLA | C4C-C3C-C2C | -2.46 | 103.31 | 106.89 |
| 39 | 10 | 314 | DD6 | C23-C16-C22 | -2.46 | 103.79 | 107.37 |
| 30 | 4 | 309 | CLA | CBC-CAC-C3C | -2.46 | 105.75 | 112.42 |
| 38 | 13 | 305 | KC1 | CHB-C4A-NA | 2.46 | 128.05 | 124.23 |
| 30 | 9 | 308 | CLA | CAA-C2A-C1A | 2.46 | 120.04 | 111.97 |
| 30 | 1 | 302 | CLA | C1-C2-C3 | -2.46 | 122.17 | 126.20 |
| 30 | 1 | 307 | CLA | C1-C2-C3 | -2.46 | 122.17 | 126.20 |
| 38 | 12 | 311 | KC1 | CAA-C2A-C1A | -2.46 | 113.87 | 124.64 |
| 39 | 6 | 319 | DD6 | C9-C8-C6 | -2.46 | 119.62 | 126.36 |
| 30 | 14 | 310 | CLA | O2D-CGD-O1D | -2.46 | 119.06 | 123.85 |
| 30 | 10 | 307 | CLA | C4-C3-C5 | 2.46 | 119.50 | 115.23 |
| 30 | B | 833 | CLA | O2A-CGA-CBA | 2.46 | 119.33 | 111.83 |
| 37 | 11 | 301 | A86 | C3-C4-C5 | -2.46 | 118.49 | 123.52 |
| 30 | A | 804 | CLA | C4-C3-C5 | 2.46 | 119.49 | 115.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 802 | CLA | CBC-CAC-C3C | -2.46 | 105.76 | 112.42 |
| 30 | 5 | 302 | CLA | O2D-CGD-O1D | -2.46 | 119.07 | 123.85 |
| 30 | A | 822 | CLA | CHB-C4A-NA | 2.46 | 127.94 | 124.40 |
| 30 | 7 | 306 | CLA | CHB-C4A-NA | 2.46 | 127.94 | 124.40 |
| 30 | B | 823 | CLA | CHA-C1A-NA | -2.45 | 120.83 | 126.39 |
| 30 | 6 | 314 | CLA | O2A-CGA-CBA | 2.45 | 119.32 | 111.83 |
| 34 | 6 | 322 | LHG | C11-C10-C9 | -2.45 | 101.96 | 114.37 |
| 30 | 14 | 310 | CLA | CMB-C2B-C3B | 2.45 | 129.59 | 124.68 |
| 30 | A | 834 | CLA | C4-C3-C5 | 2.45 | 119.49 | 115.23 |
| 33 | F | 204 | BCR | C30-C25-C26 | -2.45 | 119.28 | 122.64 |
| 37 | 10 | 317 | A86 | C23-C16-C17 | -2.45 | 104.66 | 108.97 |
| 37 | 4 | 315 | A86 | C7-C6-C8 | 2.45 | 121.83 | 118.09 |
| 30 | 10 | 308 | CLA | CHB-C4A-NA | 2.45 | 127.94 | 124.40 |
| 30 | 5 | 309 | CLA | CMC-C2C-C1C | 2.45 | 128.87 | 125.03 |
| 38 | 13 | 305 | KC1 | CAA-C2A-C1A | -2.45 | 113.90 | 124.64 |
| 30 | 8 | 308 | CLA | CAA-C2A-C3A | -2.45 | 106.38 | 113.00 |
| 30 | 3 | 306 | CLA | CMC-C2C-C1C | 2.45 | 128.86 | 125.03 |
| 33 | B | 846 | BCR | C16-C15-C14 | -2.45 | 118.51 | 123.52 |
| 37 | 6 | 320 | A86 | C9-C10-C11 | -2.45 | 119.71 | 126.64 |
| 30 | 11 | 310 | CLA | C4-C3-C5 | 2.45 | 119.48 | 115.23 |
| 30 | 9 | 306 | CLA | CBC-CAC-C3C | -2.45 | 105.78 | 112.42 |
| 30 | B | 826 | CLA | CMB-C2B-C3B | 2.45 | 129.58 | 124.68 |
| 30 | 12 | 310 | CLA | C4-C3-C5 | 2.45 | 119.48 | 115.23 |
| 38 | 3 | 304 | KC1 | CHB-C4A-NA | 2.45 | 128.03 | 124.23 |
| 30 | 11 | 308 | CLA | CMB-C2B-C3B | 2.45 | 129.57 | 124.68 |
| 30 | 5 | 302 | CLA | O2A-CGA-CBA | 2.45 | 119.30 | 111.83 |
| 30 | B | 804 | CLA | O1D-CGD-CBD | -2.45 | 119.69 | 124.52 |
| 38 | 11 | 305 | KC1 | CBC-CAC-C3C | -2.45 | 105.79 | 112.42 |
| 30 | 8 | 303 | CLA | CBC-CAC-C3C | -2.45 | 105.79 | 112.42 |
| 39 | 15 | 319 | DD6 | C33-C32-C31 | 2.45 | 114.31 | 109.49 |
| 30 | A | 819 | CLA | CHB-C4A-NA | 2.45 | 127.93 | 124.40 |
| 39 | 2 | 317 | DD6 | C14-C13-C11 | -2.45 | 121.74 | 125.53 |
| 39 | 5 | 314 | DD6 | C41-C32-C31 | -2.45 | 106.14 | 110.52 |
| 37 | 5 | 316 | A86 | C29-C30-C31 | -2.44 | 174.78 | 177.66 |
| 30 | 15 | 307 | CLA | CHB-C4A-NA | 2.44 | 127.93 | 124.40 |
| 30 | A | 803 | CLA | O2A-CGA-CBA | 2.44 | 119.29 | 111.83 |
| 30 | 3 | 307 | CLA | CHB-C4A-NA | 2.44 | 127.93 | 124.40 |
| 38 | 3 | 311 | KC1 | CBA-CAA-C2A | -2.44 | 115.64 | 125.45 |
| 30 | 6 | 304 | CLA | O2D-CGD-O1D | -2.44 | 119.09 | 123.85 |
| 30 | 6 | 316 | CLA | CHD-C4C-NC | 2.44 | 128.02 | 124.23 |
| 38 | 5 | 305 | KC1 | CHB-C4A-NA | 2.44 | 128.02 | 124.23 |
| 38 | 12 | 311 | KC1 | CBA-CAA-C2A | -2.44 | 115.65 | 125.45 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 810 | CLA | C4-C3-C5 | 2.44 | 119.47 | 115.23 |
| 37 | 1 | 309 | A86 | C24-C1-C2 | -2.44 | 115.17 | 119.01 |
| 30 | F | 203 | CLA | CMC-C2C-C1C | 2.44 | 128.85 | 125.03 |
| 30 | 11 | 304 | CLA | CMB-C2B-C3B | 2.44 | 129.56 | 124.68 |
| 30 | 5 | 308 | CLA | CAA-C2A-C3A | -2.44 | 106.40 | 113.00 |
| 33 | M | 101 | BCR | C40-C30-C25 | 2.44 | 114.07 | 110.24 |
| 36 | 8 | 319 | LMG | C38-C37-C36 | -2.44 | 102.04 | 114.37 |
| 30 | B | 838 | CLA | O2D-CGD-O1D | -2.44 | 119.10 | 123.85 |
| 37 | 5 | 301 | A86 | C10-C9-C8 | -2.44 | 116.14 | 123.20 |
| 30 | 4 | 306 | CLA | CMB-C2B-C3B | 2.44 | 129.56 | 124.68 |
| 30 | B | 816 | CLA | C1-C2-C3 | -2.44 | 122.20 | 126.20 |
| 30 | B | 825 | CLA | C4-C3-C5 | 2.44 | 119.46 | 115.23 |
| 37 | 10 | 316 | A86 | O-C13-C11 | -2.44 | 115.79 | 121.04 |
| 30 | B | 819 | CLA | CAC-C3C-C4C | 2.44 | 127.96 | 124.79 |
| 30 | 2 | 301 | CLA | CAA-CBA-CGA | -2.44 | 106.29 | 113.21 |
| 36 | B | 849 | LMG | C38-C37-C36 | -2.44 | 102.05 | 114.37 |
| 30 | 11 | 304 | CLA | CMC-C2C-C1C | 2.44 | 128.84 | 125.03 |
| 30 | 12 | 310 | CLA | O2D-CGD-O1D | -2.44 | 119.11 | 123.85 |
| 30 | 7 | 303 | CLA | CAC-C3C-C4C | 2.44 | 127.96 | 124.79 |
| 30 | A | 817 | CLA | O2D-CGD-O1D | -2.44 | 119.11 | 123.85 |
| 30 | B | 811 | CLA | CMC-C2C-C1C | 2.43 | 128.84 | 125.03 |
| 30 | 15 | 308 | CLA | CAA-C2A-C1A | 2.43 | 119.95 | 111.97 |
| 30 | A | 810 | CLA | CBC-CAC-C3C | -2.43 | 105.82 | 112.42 |
| 30 | 4 | 304 | CLA | C1-C2-C3 | -2.43 | 122.21 | 126.20 |
| 30 | 3 | 309 | CLA | CAC-C3C-C4C | 2.43 | 127.95 | 124.79 |
| 30 | A | 823 | CLA | C4C-C3C-C2C | -2.43 | 103.35 | 106.89 |
| 30 | B | 807 | CLA | CHB-C4A-NA | 2.43 | 127.91 | 124.40 |
| 30 | B | 838 | CLA | CHB-C4A-NA | 2.43 | 127.91 | 124.40 |
| 30 | 2 | 303 | CLA | C1-O2A-CGA | 2.43 | 122.53 | 116.65 |
| 30 | B | 835 | CLA | CHB-C4A-NA | 2.43 | 127.91 | 124.40 |
| 38 | 8 | 311 | KC1 | CHB-C4A-NA | 2.43 | 128.00 | 124.23 |
| 30 | A | 815 | CLA | CBC-CAC-C3C | -2.43 | 105.83 | 112.42 |
| 30 | 9 | 307 | CLA | CMC-C2C-C1C | 2.43 | 128.83 | 125.03 |
| 38 | 12 | 313 | KC1 | CAC-C3C-C4C | 2.43 | 127.95 | 124.79 |
| 37 | 5 | 315 | A86 | C7-C6-C8 | 2.43 | 121.80 | 118.09 |
| 39 | 7 | 318 | DD6 | C9-C8-C6 | -2.43 | 119.70 | 126.36 |
| 30 | A | 839 | CLA | CBC-CAC-C3C | -2.43 | 105.83 | 112.42 |
| 30 | 10 | 309 | CLA | CMB-C2B-C3B | 2.43 | 129.53 | 124.68 |
| 30 | 7 | 304 | CLA | C1-C2-C3 | -2.43 | 122.22 | 126.20 |
| 30 | 4 | 311 | CLA | O2D-CGD-O1D | -2.43 | 119.12 | 123.85 |
| 30 | 6 | 309 | CLA | C4-C3-C5 | 2.43 | 119.44 | 115.23 |
| 30 | B | 814 | CLA | CBC-CAC-C3C | -2.43 | 105.84 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 16 | 304 | KC1 | CHB-C4A-NA | 2.43 | 128.00 | 124.23 |
| 38 | 4 | 310 | KC1 | CBA-CAA-C2A | -2.43 | 115.71 | 125.45 |
| 30 | J | 101 | CLA | CHB-C4A-NA | 2.43 | 127.90 | 124.40 |
| 30 | B | 819 | CLA | CED-O2D-CGD | 2.43 | 121.42 | 115.92 |
| 30 | 4 | 305 | CLA | CBC-CAC-C3C | -2.43 | 105.84 | 112.42 |
| 30 | 5 | 311 | CLA | CMB-C2B-C3B | 2.43 | 129.53 | 124.68 |
| 39 | 16 | 313 | DD6 | C25-C24-C1 | -2.43 | 119.71 | 126.36 |
| 33 | B | 844 | BCR | C3-C4-C5 | -2.43 | 109.73 | 114.06 |
| 30 | B | 802 | CLA | C1B-CHB-C4A | -2.43 | 125.41 | 130.04 |
| 30 | A | 824 | CLA | CMB-C2B-C3B | 2.43 | 129.53 | 124.68 |
| 30 | 3 | 303 | CLA | CBC-CAC-C3C | -2.43 | 105.84 | 112.42 |
| 38 | 8 | 311 | KC1 | CHD-C4C-NC | 2.42 | 127.96 | 124.31 |
| 30 | A | 835 | CLA | CHB-C4A-NA | 2.42 | 127.90 | 124.40 |
| 30 | B | 832 | CLA | CBC-CAC-C3C | -2.42 | 105.85 | 112.42 |
| 30 | 4 | 301 | CLA | CAC-C3C-C4C | 2.42 | 127.94 | 124.79 |
| 30 | A | 836 | CLA | CHD-C4C-NC | 2.42 | 127.99 | 124.23 |
| 30 | A | 823 | CLA | CHB-C4A-NA | 2.42 | 127.90 | 124.40 |
| 30 | 13 | 307 | CLA | CBC-CAC-C3C | -2.42 | 105.85 | 112.42 |
| 30 | 12 | 303 | CLA | C1-C2-C3 | -2.42 | 122.23 | 126.20 |
| 30 | B | 827 | CLA | O2D-CGD-O1D | -2.42 | 119.13 | 123.85 |
| 36 | 8 | 320 | LMG | O3-C3-C2 | -2.42 | 104.67 | 110.38 |
| 37 | 15 | 323 | A86 | C3-C2-C1 | 2.42 | 130.67 | 127.28 |
| 30 | L | 202 | CLA | CAC-C3C-C4C | 2.42 | 127.94 | 124.79 |
| 30 | 14 | 310 | CLA | O2A-CGA-CBA | 2.42 | 119.21 | 111.83 |
| 30 | A | 813 | CLA | C4-C3-C5 | 2.42 | 119.43 | 115.23 |
| 38 | 5 | 306 | KC1 | O2D-CGD-O1D | -2.42 | 119.14 | 123.85 |
| 38 | 8 | 313 | KC1 | CMB-C2B-C1B | 2.42 | 128.99 | 124.73 |
| 30 | B | 836 | CLA | CMC-C2C-C1C | 2.42 | 128.81 | 125.03 |
| 38 | 13 | 311 | KC1 | CMC-C2C-C1C | 2.42 | 128.81 | 125.03 |
| 37 | 5 | 301 | A86 | C-C1-C24 | 2.42 | 121.78 | 118.09 |
| 30 | A | 806 | CLA | C1C-C2C-C3C | -2.42 | 104.44 | 106.98 |
| 30 | A | 823 | CLA | CBC-CAC-C3C | -2.42 | 105.86 | 112.42 |
| 38 | 7 | 308 | KC1 | CAC-C3C-C4C | 2.42 | 127.94 | 124.79 |
| 30 | 15 | 302 | CLA | CGD-CBD-CAD | -2.42 | 103.02 | 110.85 |
| 30 | 7 | 304 | CLA | O2D-CGD-O1D | -2.42 | 119.14 | 123.85 |
| 30 | 4 | 305 | CLA | C1-C2-C3 | -2.42 | 122.24 | 126.20 |
| 30 | 7 | 303 | CLA | C4-C3-C2 | -2.42 | 117.42 | 123.63 |
| 37 | 14 | 318 | A86 | C9-C10-C11 | -2.42 | 119.81 | 126.64 |
| 30 | B | 823 | CLA | O2A-CGA-CBA | 2.42 | 119.20 | 111.83 |
| 37 | 12 | 316 | A86 | C21-C20-C15 | -2.42 | 115.55 | 123.35 |
| 30 | 11 | 306 | CLA | CHB-C4A-NA | 2.41 | 127.89 | 124.40 |
| 30 | 11 | 308 | CLA | C4-C3-C5 | 2.41 | 119.42 | 115.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 308 | CLA | CMC-C2C-C1C | 2.41 | 128.81 | 125.03 |
| 38 | 5 | 306 | KC1 | CHB-C4A-NA | 2.41 | 127.97 | 124.23 |
| 33 | A | 850 | BCR | C15-C14-C13 | -2.41 | 123.89 | 127.28 |
| 31 | B | 840 | PQN | C17-C16-C15 | -2.41 | 106.83 | 113.26 |
| 30 | 8 | 303 | CLA | CMB-C2B-C3B | 2.41 | 129.51 | 124.68 |
| 39 | 4 | 316 | DD6 | C10-C9-C8 | -2.41 | 116.21 | 123.20 |
| 30 | 1 | 305 | CLA | CMB-C2B-C3B | 2.41 | 129.50 | 124.68 |
| 30 | 2 | 313 | CLA | CHB-C4A-NA | 2.41 | 127.88 | 124.40 |
| 30 | 14 | 312 | CLA | CMB-C2B-C3B | 2.41 | 129.50 | 124.68 |
| 33 | I | 101 | BCR | C1-C6-C5 | -2.41 | 119.34 | 122.64 |
| 30 | B | 832 | CLA | C4-C3-C5 | 2.41 | 119.42 | 115.23 |
| 30 | 6 | 315 | CLA | CHB-C4A-NA | 2.41 | 127.88 | 124.40 |
| 30 | 15 | 314 | CLA | CHB-C4A-NA | 2.41 | 127.88 | 124.40 |
| 30 | B | 806 | CLA | CED-O2D-CGD | 2.41 | 121.39 | 115.92 |
| 30 | 8 | 309 | CLA | CMB-C2B-C3B | 2.41 | 129.50 | 124.68 |
| 30 | 9 | 309 | CLA | CED-O2D-CGD | 2.41 | 121.38 | 115.92 |
| 30 | 4 | 304 | CLA | CHB-C4A-NA | 2.41 | 127.88 | 124.40 |
| 30 | A | 813 | CLA | CAA-C2A-C3A | -2.41 | 106.49 | 113.00 |
| 37 | 7 | 316 | A86 | C10-C9-C8 | -2.41 | 116.22 | 123.20 |
| 30 | 10 | 303 | CLA | O2A-CGA-CBA | 2.41 | 119.18 | 111.83 |
| 30 | A | 827 | CLA | CMC-C2C-C1C | 2.41 | 128.80 | 125.03 |
| 30 | 3 | 302 | CLA | O2D-CGD-O1D | -2.41 | 119.16 | 123.85 |
| 37 | 2u | 205 | A86 | C23-C16-C17 | -2.41 | 104.74 | 108.97 |
| 30 | 1 | 304 | CLA | C1-C2-C3 | -2.41 | 122.25 | 126.20 |
| 37 | 10 | 316 | A86 | C7-C6-C8 | 2.41 | 121.77 | 118.09 |
| 37 | 1 | 309 | A86 | C3-C4-C5 | 2.41 | 128.44 | 123.52 |
| 38 | 12 | 311 | KC1 | O2D-CGD-O1D | -2.41 | 119.16 | 123.85 |
| 30 | 4 | 309 | CLA | C4-C3-C5 | 2.41 | 119.41 | 115.23 |
| 30 | 2u | 202 | CLA | O2A-CGA-O1A | -2.41 | 117.61 | 123.63 |
| 30 | B | 803 | CLA | CBC-CAC-C3C | -2.41 | 105.90 | 112.42 |
| 30 | B | 814 | CLA | CAC-C3C-C4C | 2.41 | 127.92 | 124.79 |
| 30 | 15 | 304 | CLA | CAC-C3C-C4C | 2.41 | 127.92 | 124.79 |
| 30 | 6 | 305 | CLA | CBC-CAC-C3C | -2.40 | 105.90 | 112.42 |
| 30 | B | 813 | CLA | O2A-CGA-O1A | -2.40 | 117.61 | 123.63 |
| 30 | 4 | 311 | CLA | O2A-CGA-O1A | -2.40 | 117.61 | 123.63 |
| 38 | 8 | 307 | KC1 | CAA-C2A-C1A | -2.40 | 114.11 | 124.64 |
| 30 | 9 | 306 | CLA | CMB-C2B-C3B | 2.40 | 129.49 | 124.68 |
| 30 | B | 811 | CLA | CAC-C3C-C4C | 2.40 | 127.92 | 124.79 |
| 30 | 4 | 306 | CLA | C4-C3-C5 | 2.40 | 119.40 | 115.23 |
| 38 | 10 | 306 | KC1 | CHB-C4A-NA | 2.40 | 127.96 | 124.23 |
| 39 | 9 | 314 | DD6 | C4-C3-C2 | -2.40 | 118.60 | 123.52 |
| 39 | 12 | 317 | DD6 | O1-C15-C14 | -2.40 | 109.99 | 116.88 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 16 | 302 | CLA | CBC-CAC-C3C | -2.40 | 105.90 | 112.42 |
| 37 | 7 | 316 | A86 | C24-C1-C2 | -2.40 | 115.23 | 119.01 |
| 30 | 10 | 303 | CLA | CMB-C2B-C3B | 2.40 | 129.49 | 124.68 |
| 30 | 9 | 303 | CLA | O2D-CGD-O1D | -2.40 | 119.17 | 123.85 |
| 30 | A | 821 | CLA | O1D-CGD-CBD | -2.40 | 119.78 | 124.52 |
| 36 | 8 | 321 | LMG | O3-C3-C2 | -2.40 | 104.71 | 110.38 |
| 30 | A | 803 | CLA | CHD-C4C-NC | 2.40 | 127.96 | 124.23 |
| 30 | 15 | 314 | CLA | O2D-CGD-O1D | -2.40 | 119.17 | 123.85 |
| 30 | 3 | 310 | CLA | CHB-C4A-NA | 2.40 | 127.87 | 124.40 |
| 30 | 10 | 303 | CLA | CBA-CAA-C2A | 2.40 | 120.94 | 113.79 |
| 38 | 14 | 306 | KC1 | C1C-C2C-C3C | -2.40 | 104.45 | 106.98 |
| 30 | 14 | 310 | CLA | CMC-C2C-C1C | 2.40 | 128.79 | 125.03 |
| 30 | 6 | 315 | CLA | CMC-C2C-C1C | 2.40 | 128.79 | 125.03 |
| 38 | 12 | 309 | KC1 | O2D-CGD-O1D | -2.40 | 119.17 | 123.85 |
| 38 | 8 | 307 | KC1 | CHB-C4A-NA | 2.40 | 127.95 | 124.23 |
| 30 | A | 832 | CLA | CMB-C2B-C3B | 2.40 | 129.48 | 124.68 |
| 30 | 14 | 303 | CLA | CMB-C2B-C3B | 2.40 | 129.48 | 124.68 |
| 30 | A | 813 | CLA | CHB-C4A-NA | 2.40 | 127.86 | 124.40 |
| 35 | 11 | 317 | LMT | C1-O1'-C1' | -2.40 | 109.58 | 113.68 |
| 38 | 13 | 310 | KC1 | CHB-C1B-NB | -2.40 | 121.43 | 124.80 |
| 37 | 10 | 302 | A86 | C3-C4-C5 | -2.40 | 118.61 | 123.52 |
| 36 | 14 | 321 | LMG | O6-C1-O1 | -2.40 | 104.38 | 110.04 |
| 30 | 16 | 303 | CLA | CHB-C4A-NA | 2.40 | 127.86 | 124.40 |
| 38 | 5 | 312 | KC1 | CAA-C2A-C1A | -2.40 | 114.13 | 124.64 |
| 30 | 3 | 301 | CLA | O2D-CGD-O1D | -2.40 | 119.18 | 123.85 |
| 30 | 3 | 301 | CLA | CHB-C4A-NA | 2.40 | 127.86 | 124.40 |
| 39 | 6 | 321 | DD6 | O1-C20-C21 | -2.40 | 112.37 | 115.05 |
| 30 | 8 | 301 | CLA | CBC-CAC-C3C | -2.40 | 105.92 | 112.42 |
| 37 | 4 | 312 | A86 | C9-C10-C11 | -2.40 | 119.87 | 126.64 |
| 30 | B | 829 | CLA | O2D-CGD-O1D | -2.40 | 119.19 | 123.85 |
| 30 | 12 | 310 | CLA | CBC-CAC-C3C | -2.40 | 105.93 | 112.42 |
| 30 | A | 826 | CLA | O2A-CGA-CBA | 2.40 | 119.14 | 111.83 |
| 36 | 8 | 321 | LMG | O1-C1-C2 | -2.39 | 104.64 | 108.27 |
| 37 | 10 | 315 | A86 | C22-C16-C17 | -2.39 | 104.76 | 108.97 |
| 30 | 13 | 309 | CLA | CHB-C4A-NA | 2.39 | 127.86 | 124.40 |
| 30 | A | 802 | CLA | C1-C2-C3 | -2.39 | 122.27 | 126.20 |
| 37 | 8 | 318 | A86 | C4-C5-C6 | 2.39 | 130.64 | 127.28 |
| 37 | 8 | 318 | A86 | C21-C20-C15 | -2.39 | 115.62 | 123.35 |
| 38 | 5 | 312 | KC1 | O2D-CGD-O1D | -2.39 | 119.19 | 123.85 |
| 30 | 5 | 311 | CLA | O2A-CGA-CBA | 2.39 | 119.13 | 111.83 |
| 30 | 9 | 306 | CLA | CHD-C4C-NC | 2.39 | 127.94 | 124.23 |
| 30 | 5 | 303 | CLA | CHB-C4A-NA | 2.39 | 127.85 | 124.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 36 | A | 856 | LMG | O2-C2-C1 | -2.39 | 104.38 | 110.08 |
| 38 | 10 | 310 | KC1 | CAA-C2A-C1A | -2.39 | 114.16 | 124.64 |
| 30 | B | 851 | CLA | C1-C2-C3 | -2.39 | 122.28 | 126.20 |
| 30 | A | 825 | CLA | CHD-C4C-NC | 2.39 | 127.94 | 124.23 |
| 37 | 13 | 313 | A86 | C36-C31-C32 | -2.39 | 117.32 | 119.70 |
| 37 | 11 | 316 | A86 | C40-C32-C31 | -2.39 | 108.33 | 110.47 |
| 30 | 15 | 304 | CLA | CMB-C2B-C3B | 2.39 | 129.46 | 124.68 |
| 37 | 16 | 312 | A86 | C-C1-C2 | -2.39 | 118.94 | 122.82 |
| 39 | 4 | 313 | DD6 | C33-C32-C31 | 2.39 | 114.20 | 109.49 |
| 30 | 3 | 301 | CLA | CAC-C3C-C4C | 2.39 | 127.90 | 124.79 |
| 30 | A | 822 | CLA | CED-O2D-CGD | 2.39 | 121.34 | 115.92 |
| 30 | 11 | 308 | CLA | O2D-CGD-O1D | -2.39 | 119.20 | 123.85 |
| 30 | 12 | 304 | CLA | O2D-CGD-O1D | -2.39 | 119.20 | 123.85 |
| 33 | B | 846 | BCR | C15-C16-C17 | -2.39 | 118.63 | 123.52 |
| 30 | 6 | 317 | CLA | CMC-C2C-C1C | 2.39 | 128.77 | 125.03 |
| 37 | 7 | 315 | A86 | C19-C18-C17 | 2.39 | 115.26 | 110.79 |
| 37 | 7 | 315 | A86 | C4-C3-C2 | -2.39 | 118.64 | 123.52 |
| 38 | 16 | 304 | KC1 | CHD-C4C-NC | 2.39 | 127.91 | 124.31 |
| 30 | 15 | 304 | CLA | CHD-C4C-NC | 2.39 | 127.93 | 124.23 |
| 30 | A | 806 | CLA | CHB-C4A-NA | 2.39 | 127.84 | 124.40 |
| 38 | 5 | 310 | KC1 | CAB-C3B-C4B | 2.39 | 130.52 | 124.82 |
| 30 | 1 | 305 | CLA | CHB-C4A-NA | 2.39 | 127.84 | 124.40 |
| 38 | 2 | 306 | KC1 | CBC-CAC-C3C | -2.39 | 105.95 | 112.42 |
| 37 | 2 | 318 | A86 | C10-C9-C8 | -2.39 | 116.29 | 123.20 |
| 30 | A | 812 | CLA | CHD-C4C-NC | 2.39 | 127.93 | 124.23 |
| 30 | 5 | 304 | CLA | C4A-NA-C1A | -2.38 | 105.59 | 106.68 |
| 35 | A | 855 | LMT | C1B-O1B-C4' | -2.38 | 112.33 | 117.98 |
| 38 | 6 | 308 | KC1 | CHB-C4A-NA | 2.38 | 127.93 | 124.23 |
| 30 | 13 | 307 | CLA | C4-C3-C5 | 2.38 | 119.37 | 115.23 |
| 30 | 6 | 306 | CLA | CAA-C2A-C3A | -2.38 | 106.56 | 113.00 |
| 38 | 1 | 306 | KC1 | CMB-C2B-C1B | 2.38 | 128.93 | 124.73 |
| 30 | B | 812 | CLA | O2D-CGD-O1D | -2.38 | 119.21 | 123.85 |
| 30 | 3 | 305 | CLA | CMC-C2C-C1C | 2.38 | 128.76 | 125.03 |
| 37 | 10 | 302 | A86 | C40-C32-C31 | -2.38 | 108.34 | 110.47 |
| 30 | A | 844 | CLA | C1-C2-C3 | -2.38 | 122.29 | 126.20 |
| 30 | B | 812 | CLA | CHB-C4A-NA | 2.38 | 127.84 | 124.40 |
| 30 | B | 818 | CLA | C4C-C3C-C2C | -2.38 | 103.42 | 106.89 |
| 30 | 7 | 307 | CLA | CMB-C2B-C3B | 2.38 | 129.44 | 124.68 |
| 30 | 15 | 312 | CLA | CAC-C3C-C4C | 2.38 | 127.89 | 124.79 |
| 38 | 4 | 310 | KC1 | O2D-CGD-O1D | -2.38 | 119.21 | 123.85 |
| 38 | 12 | 311 | KC1 | CMB-C2B-C1B | 2.38 | 128.92 | 124.73 |
| 30 | 4 | 306 | CLA | CBC-CAC-C3C | -2.38 | 105.97 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 13 | 310 | KC1 | CBC-CAC-C3C | -2.38 | 105.97 | 112.42 |
| 37 | 14 | 315 | A86 | C40-C32-C31 | -2.38 | 108.34 | 110.47 |
| 30 | B | 819 | CLA | CHD-C4C-NC | 2.38 | 127.92 | 124.23 |
| 30 | 1 | 303 | CLA | CAA-C2A-C3A | -2.38 | 106.57 | 113.00 |
| 38 | 14 | 306 | KC1 | CHC-C4B-NB | -2.38 | 121.45 | 124.80 |
| 30 | B | 834 | CLA | CHA-C1A-NA | -2.38 | 121.00 | 126.39 |
| 33 | A | 850 | BCR | C11-C10-C9 | -2.38 | 123.94 | 127.28 |
| 38 | 10 | 310 | KC1 | O2D-CGD-O1D | -2.38 | 119.22 | 123.85 |
| 33 | L | 205 | BCR | C15-C14-C13 | -2.38 | 123.94 | 127.28 |
| 30 | A | 823 | CLA | CAA-C2A-C3A | -2.38 | 106.57 | 113.00 |
| 30 | 13 | 309 | CLA | CBC-CAC-C3C | -2.38 | 105.97 | 112.42 |
| 30 | 2 | 311 | CLA | CHB-C4A-NA | 2.38 | 127.83 | 124.40 |
| 30 | A | 808 | CLA | C4-C3-C5 | 2.38 | 118.93 | 116.13 |
| 30 | 2 | 304 | CLA | CHB-C4A-NA | 2.38 | 127.83 | 124.40 |
| 35 | 15 | 301 | LMT | C4B-C3B-C2B | 2.38 | 115.00 | 110.83 |
| 38 | 4 | 308 | KC1 | C1A-NA-C4A | -2.38 | 105.59 | 106.68 |
| 30 | B | 812 | CLA | CMC-C2C-C1C | 2.38 | 128.75 | 125.03 |
| 30 | 3 | 302 | CLA | CAC-C3C-C4C | 2.38 | 127.88 | 124.79 |
| 30 | A | 820 | CLA | O2A-CGA-CBA | 2.37 | 119.08 | 111.83 |
| 30 | 12 | 307 | CLA | CMA-C3A-C2A | -2.37 | 104.80 | 113.98 |
| 33 | A | 850 | BCR | C15-C16-C17 | -2.37 | 118.66 | 123.52 |
| 38 | 12 | 309 | KC1 | CMB-C2B-C1B | 2.37 | 128.91 | 124.73 |
| 30 | 2 | 310 | CLA | O2A-CGA-CBA | 2.37 | 119.07 | 111.83 |
| 30 | 10 | 308 | CLA | C1-C2-C3 | -2.37 | 122.31 | 126.20 |
| 38 | 2 | 306 | KC1 | CMC-C2C-C1C | 2.37 | 128.74 | 125.03 |
| 30 | 13 | 303 | CLA | CHB-C4A-NA | 2.37 | 127.83 | 124.40 |
| 38 | 6 | 313 | KC1 | CAC-C3C-C4C | 2.37 | 127.88 | 124.79 |
| 30 | B | 811 | CLA | CHB-C4A-NA | 2.37 | 127.82 | 124.40 |
| 30 | A | 814 | CLA | O2D-CGD-O1D | -2.37 | 119.23 | 123.85 |
| 30 | A | 821 | CLA | CHD-C4C-NC | 2.37 | 127.91 | 124.23 |
| 30 | B | 824 | CLA | CHD-C4C-NC | 2.37 | 127.91 | 124.23 |
| 30 | 13 | 303 | CLA | O1D-CGD-CBD | -2.37 | 119.84 | 124.52 |
| 30 | 8 | 302 | CLA | C1-C2-C3 | -2.37 | 122.31 | 126.20 |
| 30 | 3 | 301 | CLA | O2A-CGA-O1A | -2.37 | 117.70 | 123.63 |
| 30 | B | 822 | CLA | CHB-C4A-NA | 2.37 | 127.82 | 124.40 |
| 30 | B | 814 | CLA | O2A-CGA-CBA | 2.37 | 119.06 | 111.83 |
| 37 | 15 | 320 | A86 | C3-C2-C1 | -2.37 | 123.95 | 127.28 |
| 30 | B | 833 | CLA | O2D-CGD-O1D | -2.37 | 119.24 | 123.85 |
| 30 | 1 | 305 | CLA | C1-C2-C3 | -2.37 | 122.31 | 126.20 |
| 37 | 4 | 315 | A86 | C35-C34-C33 | 2.37 | 114.14 | 109.89 |
| 30 | 12 | 321 | CLA | C4-C3-C5 | 2.37 | 119.34 | 115.23 |
| 38 | 8 | 311 | KC1 | O1D-CGD-CBD | -2.37 | 119.85 | 124.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 7 | 319 | A86 | C4-C3-C2 | -2.37 | 118.67 | 123.52 |
| 37 | 15 | 320 | A86 | C10-C9-C8 | 2.37 | 130.06 | 123.20 |
| 30 | B | 822 | CLA | O2A-CGA-O1A | -2.37 | 117.71 | 123.63 |
| 30 | B | 835 | CLA | CMB-C2B-C3B | 2.37 | 129.41 | 124.68 |
| 30 | 16 | 301 | CLA | CBC-CAC-C3C | -2.37 | 106.00 | 112.42 |
| 39 | 7 | 318 | DD6 | C14-C13-C11 | -2.37 | 121.86 | 125.53 |
| 30 | 4 | 301 | CLA | O2A-CGA-O1A | -2.37 | 117.71 | 123.63 |
| 33 | B | 844 | BCR | C11-C10-C9 | -2.37 | 123.96 | 127.28 |
| 30 | A | 825 | CLA | CMC-C2C-C1C | 2.37 | 128.73 | 125.03 |
| 30 | 8 | 308 | CLA | CAC-C3C-C4C | 2.37 | 127.87 | 124.79 |
| 30 | 7 | 309 | CLA | CHB-C4A-NA | 2.37 | 127.81 | 124.40 |
| 39 | 4 | 316 | DD6 | C23-C16-C15 | 2.36 | 116.43 | 110.05 |
| 30 | A | 843 | CLA | O2A-CGA-CBA | 2.36 | 119.05 | 111.83 |
| 30 | F | 203 | CLA | CBC-CAC-C3C | -2.36 | 106.01 | 112.42 |
| 37 | 15 | 320 | A86 | C23-C16-C17 | -2.36 | 104.81 | 108.97 |
| 33 | A | 848 | BCR | C30-C25-C26 | -2.36 | 119.41 | 122.64 |
| 39 | 9 | 314 | DD6 | C10-C9-C8 | -2.36 | 116.35 | 123.20 |
| 30 | B | 813 | CLA | CHB-C4A-NA | 2.36 | 127.81 | 124.40 |
| 30 | A | 822 | CLA | CBC-CAC-C3C | -2.36 | 106.02 | 112.42 |
| 30 | A | 831 | CLA | CAA-C2A-C3A | -2.36 | 106.61 | 113.00 |
| 37 | 8 | 318 | A86 | C22-C16-C17 | -2.36 | 104.82 | 108.97 |
| 30 | 7 | 307 | CLA | C1-O2A-CGA | 2.36 | 122.37 | 116.65 |
| 30 | 5 | 304 | CLA | CBC-CAC-C3C | -2.36 | 106.02 | 112.42 |
| 30 | 1 | 301 | CLA | O2D-CGD-O1D | -2.36 | 119.25 | 123.85 |
| 38 | 10 | 310 | KC1 | CAB-C3B-C4B | 2.36 | 130.46 | 124.82 |
| 37 | 5 | 301 | A86 | C34-O4-C38 | -2.36 | 113.67 | 117.85 |
| 30 | 11 | 309 | CLA | CHB-C4A-NA | 2.36 | 127.81 | 124.40 |
| 38 | 10 | 306 | KC1 | CMC-C2C-C1C | 2.36 | 128.72 | 125.03 |
| 30 | 14 | 313 | CLA | CMA-C3A-C2A | -2.36 | 104.85 | 113.98 |
| 30 | A | 828 | CLA | CAC-C3C-C2C | 2.36 | 131.90 | 127.56 |
| 30 | 3 | 302 | CLA | CBC-CAC-C3C | -2.36 | 106.02 | 112.42 |
| 30 | F | 203 | CLA | CMB-C2B-C3B | 2.36 | 129.40 | 124.68 |
| 30 | 15 | 314 | CLA | CBC-CAC-C3C | -2.36 | 106.02 | 112.42 |
| 33 | 2u | 201 | BCR | C15-C14-C13 | -2.36 | 123.97 | 127.28 |
| 37 | 2 | 319 | A86 | C12-C11-C13 | 2.36 | 119.83 | 116.00 |
| 30 | B | 817 | CLA | C3B-C4B-NB | 2.36 | 112.26 | 109.21 |
| 30 | 5 | 309 | CLA | CBC-CAC-C3C | -2.36 | 106.03 | 112.42 |
| 38 | 11 | 307 | KC1 | CAA-C2A-C1A | -2.36 | 114.31 | 124.64 |
| 30 | 2 | 308 | CLA | CHB-C4A-NA | 2.36 | 127.80 | 124.40 |
| 30 | 14 | 309 | CLA | O2D-CGD-O1D | -2.36 | 119.26 | 123.85 |
| 30 | 12 | 304 | CLA | CHB-C4A-NA | 2.36 | 127.80 | 124.40 |
| 30 | 2 | 309 | CLA | CMB-C2B-C3B | 2.36 | 129.39 | 124.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 4 | 304 | CLA | CMC-C2C-C1C | 2.36 | 128.72 | 125.03 |
| 30 | A | 809 | CLA | O2D-CGD-O1D | -2.36 | 119.26 | 123.85 |
| 30 | 7 | 312 | CLA | CAA-C2A-C3A | -2.36 | 106.63 | 113.00 |
| 38 | 12 | 305 | KC1 | CHB-C4A-NA | 2.36 | 127.89 | 124.23 |
| 30 | A | 824 | CLA | CMC-C2C-C1C | 2.36 | 128.72 | 125.03 |
| 30 | 15 | 305 | CLA | CMB-C2B-C3B | 2.36 | 129.39 | 124.68 |
| 37 | 12 | 316 | A86 | O-C13-C11 | -2.36 | 115.97 | 121.04 |
| 39 | 3 | 316 | DD6 | C41-C32-C31 | -2.36 | 106.30 | 110.52 |
| 37 | 14 | 317 | A86 | C10-C9-C8 | -2.36 | 116.38 | 123.20 |
| 37 | 2 | 319 | A86 | C23-C16-C17 | -2.35 | 104.83 | 108.97 |
| 30 | A | 822 | CLA | CAA-C2A-C3A | -2.35 | 106.64 | 113.00 |
| 38 | 2 | 306 | KC1 | CHB-C4A-NA | 2.35 | 127.88 | 124.23 |
| 33 | F | 204 | BCR | C31-C1-C6 | 2.35 | 113.93 | 110.24 |
| 30 | 11 | 309 | CLA | CMA-C3A-C2A | -2.35 | 104.88 | 113.98 |
| 30 | A | 833 | CLA | O2D-CGD-O1D | -2.35 | 119.27 | 123.85 |
| 30 | 12 | 303 | CLA | CAC-C3C-C4C | 2.35 | 127.85 | 124.79 |
| 30 | 16 | 301 | CLA | CMB-C2B-C3B | 2.35 | 129.38 | 124.68 |
| 30 | A | 827 | CLA | CAC-C3C-C2C | 2.35 | 131.88 | 127.56 |
| 39 | 13 | 314 | DD6 | C12-C11-C13 | -2.35 | 114.50 | 118.09 |
| 30 | 11 | 308 | CLA | CBC-CAC-C3C | -2.35 | 106.05 | 112.42 |
| 30 | B | 809 | CLA | C4-C3-C5 | 2.35 | 119.31 | 115.23 |
| 30 | 13 | 301 | CLA | CBA-CAA-C2A | 2.35 | 120.79 | 113.79 |
| 38 | 3 | 304 | KC1 | CMB-C2B-C1B | 2.35 | 128.87 | 124.73 |
| 33 | L | 201 | BCR | C3-C4-C5 | -2.35 | 109.86 | 114.06 |
| 30 | A | 809 | CLA | O1D-CGD-CBD | -2.35 | 119.88 | 124.52 |
| 30 | B | 808 | CLA | C1-C2-C3 | -2.35 | 122.35 | 126.20 |
| 30 | 2 | 310 | CLA | CMC-C2C-C1C | 2.35 | 128.71 | 125.03 |
| 30 | 14 | 302 | CLA | CMB-C2B-C3B | 2.35 | 129.38 | 124.68 |
| 30 | B | 807 | CLA | O2A-CGA-CBA | 2.35 | 119.00 | 111.83 |
| 39 | 10 | 313 | DD6 | C22-C16-C17 | -2.35 | 104.84 | 108.97 |
| 30 | 14 | 305 | CLA | O2A-CGA-CBA | 2.35 | 119.00 | 111.83 |
| 30 | A | 805 | CLA | O2A-CGA-CBA | 2.35 | 118.99 | 111.83 |
| 30 | A | 834 | CLA | CAC-C3C-C4C | 2.35 | 127.84 | 124.79 |
| 30 | 10 | 307 | CLA | O2D-CGD-O1D | -2.35 | 119.28 | 123.85 |
| 30 | 3 | 301 | CLA | CMC-C2C-C1C | 2.35 | 128.70 | 125.03 |
| 30 | 15 | 305 | CLA | CMC-C2C-C1C | 2.35 | 128.70 | 125.03 |
| 30 | 16 | 306 | CLA | CMC-C2C-C1C | 2.35 | 128.70 | 125.03 |
| 30 | 3 | 310 | CLA | C4C-C3C-C2C | -2.35 | 103.48 | 106.89 |
| 37 | 2 | 319 | A86 | C3-C4-C5 | -2.35 | 118.72 | 123.52 |
| 30 | A | 837 | CLA | CMC-C2C-C1C | 2.35 | 128.70 | 125.03 |
| 36 | B | 847 | LMG | O3-C3-C2 | -2.35 | 104.85 | 110.38 |
| 33 | B | 845 | BCR | C30-C25-C26 | -2.35 | 119.43 | 122.64 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 14 | 302 | CLA | O2A-CGA-O1A | -2.35 | 117.76 | 123.63 |
| 30 | 7 | 303 | CLA | C6-C5-C3 | -2.35 | 107.75 | 113.47 |
| 30 | 6 | 307 | CLA | O2D-CGD-O1D | -2.34 | 119.28 | 123.85 |
| 30 | 9 | 303 | CLA | CAA-C2A-C3A | -2.34 | 106.67 | 113.00 |
| 30 | 15 | 302 | CLA | C1B-CHB-C4A | -2.34 | 125.57 | 130.04 |
| 30 | 16 | 309 | CLA | CHB-C4A-NA | 2.34 | 127.78 | 124.40 |
| 30 | 3 | 309 | CLA | CMB-C2B-C3B | 2.34 | 129.37 | 124.68 |
| 38 | 2 | 312 | KC1 | CHB-C4A-NA | 2.34 | 127.86 | 124.23 |
| 30 | B | 820 | CLA | CMB-C2B-C3B | 2.34 | 129.37 | 124.68 |
| 30 | 2u | 202 | CLA | C1-O2A-CGA | 2.34 | 122.32 | 116.65 |
| 30 | B | 808 | CLA | CAC-C3C-C4C | 2.34 | 127.84 | 124.79 |
| 38 | 3 | 308 | KC1 | O1D-CGD-CBD | -2.34 | 119.90 | 124.52 |
| 30 | 8 | 302 | CLA | CMC-C2C-C1C | 2.34 | 128.69 | 125.03 |
| 37 | 10 | 301 | A86 | C26-C25-C24 | 2.34 | 129.99 | 123.20 |
| 30 | B | 823 | CLA | CMB-C2B-C3B | 2.34 | 129.36 | 124.68 |
| 37 | 16 | 314 | A86 | C34-O4-C38 | -2.34 | 113.71 | 117.85 |
| 33 | J | 103 | BCR | C15-C14-C13 | -2.34 | 124.00 | 127.28 |
| 30 | A | 831 | CLA | CHB-C4A-NA | 2.34 | 127.78 | 124.40 |
| 30 | 15 | 305 | CLA | CHB-C4A-NA | 2.34 | 127.78 | 124.40 |
| 30 | 15 | 310 | CLA | CHB-C4A-NA | 2.34 | 127.78 | 124.40 |
| 30 | A | 818 | CLA | CAA-C2A-C3A | -2.34 | 106.67 | 113.00 |
| 31 | A | 845 | PQN | C11-C12-C13 | -2.34 | 122.80 | 126.83 |
| 30 | 3 | 310 | CLA | O2D-CGD-O1D | -2.34 | 119.29 | 123.85 |
| 38 | 3 | 308 | KC1 | CMC-C2C-C1C | 2.34 | 128.69 | 125.03 |
| 36 | 8 | 321 | LMG | O6-C1-O1 | -2.34 | 104.52 | 110.04 |
| 30 | A | 803 | CLA | CMA-C3A-C2A | -2.34 | 104.94 | 113.98 |
| 30 | 8 | 301 | CLA | CHC-C1C-C2C | -2.34 | 120.32 | 126.94 |
| 38 | 13 | 308 | KC1 | CBC-CAC-C3C | -2.34 | 106.08 | 112.42 |
| 30 | 2 | 303 | CLA | O2D-CGD-O1D | -2.34 | 119.30 | 123.85 |
| 33 | I | 101 | BCR | C15-C16-C17 | -2.34 | 118.73 | 123.52 |
| 30 | 4 | 304 | CLA | CMB-C2B-C3B | 2.34 | 129.36 | 124.68 |
| 37 | 2 | 318 | A86 | C21-C20-C15 | -2.34 | 115.80 | 123.35 |
| 30 | A | 822 | CLA | O2D-CGD-O1D | -2.34 | 119.30 | 123.85 |
| 38 | 4 | 308 | KC1 | O2D-CGD-O1D | -2.34 | 119.30 | 123.85 |
| 38 | 13 | 310 | KC1 | O2D-CGD-O1D | -2.34 | 119.30 | 123.85 |
| 30 | B | 839 | CLA | CHC-C1C-C2C | -2.34 | 120.32 | 126.94 |
| 38 | 9 | 311 | KC1 | CMC-C2C-C1C | 2.34 | 128.69 | 125.03 |
| 33 | 2u | 201 | BCR | C33-C5-C6 | -2.34 | 121.94 | 124.48 |
| 36 | B | 847 | LMG | C42-C41-C40 | -2.34 | 102.56 | 114.37 |
| 30 | 5 | 309 | CLA | O2D-CGD-O1D | -2.34 | 119.30 | 123.85 |
| 30 | 3 | 309 | CLA | CMC-C2C-C1C | 2.34 | 128.68 | 125.03 |
| 37 | 9 | 313 | A86 | C-C1-C24 | 2.34 | 121.66 | 118.09 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 16 | 311 | KC1 | CMB-C2B-C1B | 2.33 | 128.84 | 124.73 |
| 30 | 7 | 310 | CLA | O2D-CGD-O1D | -2.33 | 119.30 | 123.85 |
| 30 | 14 | 309 | CLA | CBC-CAC-C3C | -2.33 | 106.09 | 112.42 |
| 37 | 2 | 318 | A86 | C26-C25-C24 | 2.33 | 129.96 | 123.20 |
| 35 | 6 | 302 | LMT | O5'-C5'-C4' | 2.33 | 114.55 | 109.72 |
| 38 | 8 | 307 | KC1 | CAC-C3C-C4C | 2.33 | 127.83 | 124.79 |
| 38 | 2 | 314 | KC1 | CHB-C4A-NA | 2.33 | 127.85 | 124.23 |
| 30 | 15 | 311 | CLA | O2D-CGD-O1D | -2.33 | 119.31 | 123.85 |
| 30 | 15 | 311 | CLA | CAA-C2A-C3A | -2.33 | 106.70 | 113.00 |
| 30 | 16 | 306 | CLA | CHD-C4C-NC | 2.33 | 127.85 | 124.23 |
| 33 | A | 851 | BCR | C10-C11-C12 | -2.33 | 116.44 | 123.20 |
| 38 | 1 | 308 | KC1 | CED-O2D-CGD | 2.33 | 121.20 | 115.92 |
| 38 | 13 | 311 | KC1 | O2D-CGD-O1D | -2.33 | 119.31 | 123.85 |
| 30 | B | 829 | CLA | C1-C2-C3 | -2.33 | 122.38 | 126.20 |
| 39 | 10 | 314 | DD6 | O1-C20-C21 | -2.33 | 112.44 | 115.05 |
| 30 | 5 | 304 | CLA | CAA-C2A-C3A | -2.33 | 106.70 | 113.00 |
| 30 | 15 | 311 | CLA | CBC-CAC-C3C | -2.33 | 106.11 | 112.42 |
| 30 | 6 | 317 | CLA | CMB-C2B-C3B | 2.33 | 129.34 | 124.68 |
| 30 | 5 | 303 | CLA | CED-O2D-CGD | 2.33 | 121.20 | 115.92 |
| 30 | A | 812 | CLA | CMC-C2C-C1C | 2.33 | 128.67 | 125.03 |
| 30 | 2u | 202 | CLA | O1D-CGD-CBD | -2.33 | 119.93 | 124.52 |
| 30 | A | 816 | CLA | C1-O2A-CGA | 2.33 | 122.29 | 116.65 |
| 30 | 16 | 303 | CLA | CAC-C3C-C4C | 2.33 | 127.82 | 124.79 |
| 37 | 11 | 301 | A86 | C4-C3-C2 | -2.33 | 118.76 | 123.52 |
| 37 | 15 | 322 | A86 | O-C13-C14 | -2.33 | 116.99 | 121.76 |
| 37 | 3 | 315 | A86 | C35-C34-C33 | 2.33 | 114.07 | 109.89 |
| 30 | 15 | 306 | CLA | CHB-C4A-NA | 2.33 | 127.76 | 124.40 |
| 38 | 7 | 308 | KC1 | CMB-C2B-C1B | 2.33 | 128.82 | 124.73 |
| 30 | B | 813 | CLA | CHD-C4C-NC | 2.33 | 127.84 | 124.23 |
| 30 | 13 | 309 | CLA | CED-O2D-CGD | 2.33 | 121.19 | 115.92 |
| 30 | A | 826 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 35 | 9 | 317 | LMT | C1B-O1B-C4' | -2.32 | 112.47 | 117.98 |
| 30 | A | 836 | CLA | CED-O2D-CGD | 2.32 | 121.19 | 115.92 |
| 30 | A | 806 | CLA | O1D-CGD-CBD | -2.32 | 119.93 | 124.52 |
| 30 | 2 | 301 | CLA | C4-C3-C5 | 2.32 | 119.26 | 115.23 |
| 36 | 6 | 301 | LMG | O6-C1-O1 | -2.32 | 104.55 | 110.04 |
| 33 | B | 843 | BCR | C27-C26-C25 | 2.32 | 125.84 | 122.70 |
| 36 | B | 847 | LMG | O2-C2-C1 | -2.32 | 104.54 | 110.08 |
| 38 | 12 | 309 | KC1 | CMC-C2C-C1C | 2.32 | 128.67 | 125.03 |
| 30 | 13 | 304 | CLA | CMB-C2B-C3B | 2.32 | 129.33 | 124.68 |
| 38 | 11 | 312 | KC1 | CAA-CBA-CGA | -2.32 | 115.23 | 127.05 |
| 34 | A | 853 | LHG | C11-C10-C9 | -2.32 | 102.62 | 114.37 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 15 | 322 | A86 | C12-C11-C13 | 2.32 | 119.77 | 116.00 |
| 30 | 13 | 307 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 30 | J | 101 | CLA | O2D-CGD-O1D | -2.32 | 119.33 | 123.85 |
| 38 | 1 | 306 | KC1 | O2D-CGD-O1D | -2.32 | 119.33 | 123.85 |
| 30 | 10 | 305 | CLA | O2A-CGA-CBA | 2.32 | 118.92 | 111.83 |
| 39 | 13 | 314 | DD6 | C4-C3-C2 | -2.32 | 118.77 | 123.52 |
| 37 | 3 | 315 | A86 | C34-O4-C38 | -2.32 | 113.75 | 117.85 |
| 36 | 2u | 204 | LMG | O3-C3-C2 | -2.32 | 104.90 | 110.38 |
| 33 | B | 841 | BCR | C30-C25-C26 | -2.32 | 119.46 | 122.64 |
| 30 | 9 | 303 | CLA | C4-C3-C5 | 2.32 | 119.26 | 115.23 |
| 38 | 11 | 305 | KC1 | O2D-CGD-O1D | -2.32 | 119.33 | 123.85 |
| 30 | 5 | 311 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 37 | 2u | 203 | A86 | O4-C38-O5 | -2.32 | 118.51 | 122.99 |
| 30 | A | 844 | CLA | CED-O2D-CGD | 2.32 | 121.18 | 115.92 |
| 30 | 10 | 307 | CLA | CAA-C2A-C3A | -2.32 | 106.73 | 113.00 |
| 30 | A | 807 | CLA | O2D-CGD-O1D | -2.32 | 119.33 | 123.85 |
| 30 | A | 837 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 30 | 14 | 312 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 37 | 3 | 315 | A86 | C-C1-C24 | 2.32 | 121.63 | 118.09 |
| 30 | 15 | 313 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 33 | L | 205 | BCR | C7-C8-C9 | -2.32 | 122.81 | 126.23 |
| 30 | 10 | 304 | CLA | O2D-CGD-O1D | -2.32 | 119.33 | 123.85 |
| 30 | B | 816 | CLA | CBC-CAC-C3C | -2.32 | 106.14 | 112.42 |
| 30 | A | 821 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 30 | 4 | 302 | CLA | CHB-C4A-NA | 2.32 | 127.75 | 124.40 |
| 30 | 9 | 307 | CLA | O2A-CGA-CBA | 2.32 | 118.90 | 111.83 |
| 30 | B | 818 | CLA | CBC-CAC-C3C | -2.32 | 106.14 | 112.42 |
| 30 | 3 | 305 | CLA | CMB-C2B-C3B | 2.32 | 129.31 | 124.68 |
| 30 | 15 | 313 | CLA | CMB-C2B-C3B | 2.32 | 129.31 | 124.68 |
| 30 | 4 | 311 | CLA | CMC-C2C-C1C | 2.32 | 128.66 | 125.03 |
| 39 | 8 | 317 | DD6 | C4-C3-C2 | -2.32 | 118.78 | 123.52 |
| 30 | A | 818 | CLA | CBC-CAC-C3C | -2.32 | 106.14 | 112.42 |
| 30 | B | 806 | CLA | CHB-C4A-NA | 2.32 | 127.74 | 124.40 |
| 30 | 9 | 309 | CLA | C4-C3-C5 | 2.32 | 119.25 | 115.23 |
| 34 | 5 | 317 | LHG | C11-C10-C9 | -2.32 | 102.66 | 114.37 |
| 30 | 2 | 308 | CLA | CBA-CAA-C2A | 2.32 | 120.68 | 113.79 |
| 30 | 12 | 306 | CLA | CMC-C2C-C1C | 2.32 | 128.65 | 125.03 |
| 30 | A | 807 | CLA | CHB-C4A-NA | 2.32 | 127.74 | 124.40 |
| 39 | 1 | 310 | DD6 | C15-C14-C13 | -2.32 | 121.10 | 125.99 |
| 37 | 14 | 316 | A86 | C3-C4-C5 | -2.32 | 118.78 | 123.52 |
| 39 | 7 | 317 | DD6 | C23-C16-C17 | -2.31 | 104.90 | 108.97 |
| 30 | 9 | 309 | CLA | C1-C2-C3 | -2.31 | 122.41 | 126.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | B | 823 | CLA | CHB-C4A-NA | 2.31 | 127.74 | 124.40 |
| 30 | 4 | 309 | CLA | CHB-C4A-NA | 2.31 | 127.74 | 124.40 |
| 38 | 4 | 307 | KC1 | CAA-C2A-C1A | -2.31 | 114.51 | 124.64 |
| 37 | 16 | 314 | A86 | C26-C25-C24 | -2.31 | 116.50 | 123.20 |
| 30 | B | 822 | CLA | CED-O2D-CGD | 2.31 | 121.16 | 115.92 |
| 30 | A | 819 | CLA | CBA-CAA-C2A | 2.31 | 120.67 | 113.79 |
| 38 | 13 | 312 | KC1 | CHB-C4A-NA | 2.31 | 127.82 | 124.23 |
| 30 | B | 816 | CLA | CHB-C4A-NA | 2.31 | 127.74 | 124.40 |
| 30 | 7 | 312 | CLA | CHB-C4A-NA | 2.31 | 127.74 | 124.40 |
| 30 | 10 | 305 | CLA | CMC-C2C-C1C | 2.31 | 128.65 | 125.03 |
| 30 | 15 | 302 | CLA | C4-C3-C5 | 2.31 | 119.24 | 115.23 |
| 30 | 6 | 305 | CLA | CHB-C4A-NA | 2.31 | 127.73 | 124.40 |
| 30 | 12 | 306 | CLA | O2A-CGA-CBA | 2.31 | 118.88 | 111.83 |
| 38 | 14 | 308 | KC1 | CAC-C3C-C4C | 2.31 | 127.80 | 124.79 |
| 33 | L | 201 | BCR | C16-C17-C18 | -2.31 | 124.04 | 127.28 |
| 30 | A | 826 | CLA | CHA-C1A-NA | -2.31 | 121.16 | 126.39 |
| 37 | 15 | 323 | A86 | C36-C31-C32 | -2.31 | 117.40 | 119.70 |
| 30 | A | 834 | CLA | CHB-C4A-NA | 2.31 | 127.73 | 124.40 |
| 30 | 15 | 303 | CLA | CMC-C2C-C1C | 2.31 | 128.64 | 125.03 |
| 30 | 15 | 312 | CLA | C4C-C3C-C2C | -2.31 | 103.53 | 106.89 |
| 30 | 10 | 311 | CLA | CMB-C2B-C3B | 2.31 | 129.30 | 124.68 |
| 38 | 5 | 310 | KC1 | O1D-CGD-CBD | -2.31 | 119.96 | 124.52 |
| 30 | 7 | 303 | CLA | C6-C7-C8 | -2.31 | 108.29 | 115.97 |
| 30 | B | 830 | CLA | CAA-C2A-C3A | -2.31 | 106.76 | 113.00 |
| 38 | 9 | 310 | KC1 | CHB-C4A-NA | 2.31 | 127.81 | 124.23 |
| 35 | 7 | 321 | LMT | C1B-O1B-C4' | -2.31 | 112.51 | 117.98 |
| 30 | 15 | 308 | CLA | O2D-CGD-O1D | -2.31 | 119.36 | 123.85 |
| 30 | 14 | 309 | CLA | CAA-C2A-C3A | -2.31 | 106.76 | 113.00 |
| 30 | 8 | 302 | CLA | O2D-CGD-O1D | -2.31 | 119.36 | 123.85 |
| 30 | A | 827 | CLA | O2A-CGA-CBA | 2.31 | 118.87 | 111.83 |
| 37 | 10 | 317 | A86 | C12-C11-C10 | -2.31 | 118.06 | 123.67 |
| 30 | A | 808 | CLA | CMB-C2B-C3B | 2.31 | 129.29 | 124.68 |
| 30 | 12 | 302 | CLA | O2D-CGD-O1D | -2.31 | 119.36 | 123.85 |
| 38 | 4 | 307 | KC1 | CHB-C1B-NB | -2.31 | 121.56 | 124.80 |
| 38 | 14 | 308 | KC1 | O2A-CGA-O1A | -2.31 | 118.01 | 122.70 |
| 30 | F | 202 | CLA | CMC-C2C-C1C | 2.31 | 128.64 | 125.03 |
| 30 | A | 833 | CLA | CMB-C2B-C3B | 2.30 | 129.29 | 124.68 |
| 30 | A | 830 | CLA | O2D-CGD-O1D | -2.30 | 119.36 | 123.85 |
| 37 | 6 | 320 | A86 | C3-C2-C1 | -2.30 | 124.05 | 127.28 |
| 30 | 1 | 307 | CLA | CMC-C2C-C1C | 2.30 | 128.63 | 125.03 |
| 38 | 5 | 305 | KC1 | O2D-CGD-O1D | -2.30 | 119.36 | 123.85 |
| 36 | 5 | 318 | LMG | O1-C7-C8 | -2.30 | 105.21 | 110.82 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 803 | CLA | CMC-C2C-C1C | 2.30 | 128.63 | 125.03 |
| 30 | L | 202 | CLA | CAA-C2A-C3A | -2.30 | 106.77 | 113.00 |
| 36 | 8 | 320 | LMG | O2-C2-C1 | -2.30 | 104.59 | 110.08 |
| 30 | 7 | 309 | CLA | O2A-CGA-CBA | 2.30 | 118.86 | 111.83 |
| 30 | 7 | 306 | CLA | C4-C3-C5 | 2.30 | 119.23 | 115.23 |
| 33 | B | 841 | BCR | C15-C14-C13 | -2.30 | 124.05 | 127.28 |
| 37 | 15 | 317 | A86 | C-C1-C24 | 2.30 | 121.61 | 118.09 |
| 30 | 7 | 305 | CLA | CAC-C3C-C4C | 2.30 | 127.78 | 124.79 |
| 30 | B | 851 | CLA | CBC-CAC-C3C | -2.30 | 106.18 | 112.42 |
| 38 | 7 | 313 | KC1 | CMC-C2C-C1C | 2.30 | 128.63 | 125.03 |
| 33 | A | 849 | BCR | C16-C17-C18 | -2.30 | 124.05 | 127.28 |
| 38 | 8 | 311 | KC1 | CAA-C2A-C1A | -2.30 | 114.56 | 124.64 |
| 31 | A | 845 | PQN | C11-C3-C2 | -2.30 | 120.95 | 124.89 |
| 33 | 2u | 201 | BCR | C7-C8-C9 | -2.30 | 122.83 | 126.23 |
| 30 | B | 839 | CLA | C3B-C4B-NB | 2.30 | 112.18 | 109.21 |
| 38 | 9 | 304 | KC1 | O2D-CGD-O1D | -2.30 | 119.37 | 123.85 |
| 38 | 10 | 310 | KC1 | CHC-C4B-NB | -2.30 | 121.57 | 124.80 |
| 37 | 2u | 203 | A86 | C3-C4-C5 | -2.30 | 118.81 | 123.52 |
| 30 | A | 827 | CLA | CBC-CAC-C3C | -2.30 | 106.19 | 112.42 |
| 37 | 14 | 318 | A86 | C10-C9-C8 | -2.30 | 116.54 | 123.20 |
| 30 | B | 809 | CLA | O2D-CGD-O1D | -2.30 | 119.37 | 123.85 |
| 37 | 14 | 301 | A86 | C25-C24-C1 | -2.30 | 120.06 | 126.36 |
| 37 | 10 | 301 | A86 | C25-C24-C1 | 2.30 | 132.66 | 126.36 |
| 30 | A | 807 | CLA | CMB-C2B-C3B | 2.30 | 129.28 | 124.68 |
| 37 | 7 | 316 | A86 | C34-O4-C38 | -2.30 | 113.79 | 117.85 |
| 38 | 5 | 306 | KC1 | CMB-C2B-C1B | 2.30 | 128.77 | 124.73 |
| 36 | 14 | 321 | LMG | O3-C3-C2 | -2.30 | 104.96 | 110.38 |
| 37 | 11 | 315 | A86 | C-C1-C24 | 2.30 | 121.60 | 118.09 |
| 38 | 5 | 312 | KC1 | CBC-CAC-C3C | -2.30 | 106.19 | 112.42 |
| 33 | A | 849 | BCR | C38-C26-C27 | -2.30 | 108.70 | 113.60 |
| 38 | 2 | 312 | KC1 | CMC-C2C-C1C | 2.30 | 128.62 | 125.03 |
| 30 | 14 | 302 | CLA | CAA-C2A-C3A | -2.30 | 106.79 | 113.00 |
| 30 | 2u | 202 | CLA | CHB-C4A-NA | 2.30 | 127.71 | 124.40 |
| 30 | 3 | 302 | CLA | O2A-CGA-CBA | 2.30 | 118.84 | 111.83 |
| 30 | 13 | 309 | CLA | CMC-C2C-C1C | 2.30 | 128.62 | 125.03 |
| 38 | 6 | 312 | KC1 | CMC-C2C-C1C | 2.30 | 128.62 | 125.03 |
| 30 | B | 803 | CLA | O2A-CGA-O1A | -2.30 | 117.89 | 123.63 |
| 30 | 7 | 311 | CLA | CMB-C2B-C3B | 2.29 | 129.27 | 124.68 |
| 30 | 16 | 305 | CLA | CMC-C2C-C1C | 2.29 | 128.62 | 125.03 |
| 39 | 6 | 303 | DD6 | C4-C3-C2 | -2.29 | 118.82 | 123.52 |
| 30 | A | 814 | CLA | C1-C2-C3 | -2.29 | 122.44 | 126.20 |
| 33 | L | 205 | BCR | C27-C26-C25 | 2.29 | 125.80 | 122.70 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 312 | KC1 | CBA-CAA-C2A | -2.29 | 116.25 | 125.45 |
| 30 | 1 | 303 | CLA | O2D-CGD-O1D | -2.29 | 119.38 | 123.85 |
| 30 | 1 | 307 | CLA | O1D-CGD-CBD | -2.29 | 119.99 | 124.52 |
| 30 | 1 | 302 | CLA | CMC-C2C-C1C | 2.29 | 128.62 | 125.03 |
| 30 | 16 | 303 | CLA | CMC-C2C-C1C | 2.29 | 128.62 | 125.03 |
| 34 | 9 | 318 | LHG | C11-C10-C9 | -2.29 | 102.78 | 114.37 |
| 37 | 14 | 315 | A86 | C-C1-C24 | 2.29 | 121.59 | 118.09 |
| 30 | 2 | 310 | CLA | O2D-CGD-O1D | -2.29 | 119.39 | 123.85 |
| 37 | 9 | 315 | A86 | C7-C6-C8 | 2.29 | 121.59 | 118.09 |
| 30 | 13 | 302 | CLA | CBC-CAC-C3C | -2.29 | 106.21 | 112.42 |
| 30 | B | 815 | CLA | CHD-C4C-NC | 2.29 | 127.78 | 124.23 |
| 39 | 16 | 313 | DD6 | C3-C4-C5 | -2.29 | 118.83 | 123.52 |
| 30 | 2 | 313 | CLA | CMB-C2B-C3B | 2.29 | 129.26 | 124.68 |
| 30 | 5 | 308 | CLA | C1-C2-C3 | -2.29 | 122.44 | 126.20 |
| 37 | 3 | 314 | A86 | C7-C6-C5 | -2.29 | 119.10 | 122.82 |
| 38 | 9 | 312 | KC1 | CHB-C4A-NA | 2.29 | 127.78 | 124.23 |
| 30 | A | 844 | CLA | CAA-C2A-C3A | -2.29 | 106.81 | 113.00 |
| 30 | A | 842 | CLA | CMA-C3A-C2A | -2.29 | 105.12 | 113.98 |
| 37 | 10 | 315 | A86 | C7-C6-C8 | 2.29 | 121.59 | 118.09 |
| 30 | 9 | 305 | CLA | CBC-CAC-C3C | -2.29 | 106.21 | 112.42 |
| 30 | 4 | 311 | CLA | CMB-C2B-C3B | 2.29 | 129.26 | 124.68 |
| 30 | 14 | 307 | CLA | CMC-C2C-C1C | 2.29 | 128.61 | 125.03 |
| 30 | B | 807 | CLA | C4-C3-C5 | 2.29 | 119.20 | 115.23 |
| 30 | B | 839 | CLA | C4-C3-C5 | 2.29 | 119.20 | 115.23 |
| 38 | 16 | 311 | KC1 | CHB-C1B-NB | -2.29 | 121.58 | 124.80 |
| 30 | 15 | 305 | CLA | O1D-CGD-CBD | -2.29 | 120.00 | 124.52 |
| 30 | 14 | 302 | CLA | O1D-CGD-CBD | -2.29 | 120.00 | 124.52 |
| 30 | 3 | 303 | CLA | CMB-C2B-C3B | 2.29 | 129.25 | 124.68 |
| 37 | 2 | 318 | A86 | C3-C4-C5 | -2.29 | 118.84 | 123.52 |
| 37 | 14 | 316 | A86 | C25-C24-C1 | -2.29 | 120.09 | 126.36 |
| 30 | A | 838 | CLA | C4-C3-C5 | 2.29 | 118.82 | 116.13 |
| 30 | 14 | 309 | CLA | CHB-C4A-NA | 2.29 | 127.70 | 124.40 |
| 30 | A | 840 | CLA | CBC-CAC-C3C | -2.29 | 106.22 | 112.42 |
| 30 | A | 827 | CLA | OBD-CAD-C3D | -2.29 | 123.07 | 128.42 |
| 38 | 11 | 305 | KC1 | CMC-C2C-C1C | 2.29 | 128.61 | 125.03 |
| 33 | A | 850 | BCR | C16-C15-C14 | -2.29 | 118.84 | 123.52 |
| 38 | 14 | 308 | KC1 | CHB-C4A-NA | 2.29 | 127.78 | 124.23 |
| 30 | 14 | 304 | CLA | CMC-C2C-C1C | 2.28 | 128.60 | 125.03 |
| 30 | F | 202 | CLA | CHA-C1A-NA | -2.28 | 121.22 | 126.39 |
| 38 | 13 | 312 | KC1 | CMC-C2C-C1C | 2.28 | 128.60 | 125.03 |
| 30 | 8 | 301 | CLA | O2D-CGD-O1D | -2.28 | 119.40 | 123.85 |
| 36 | 14 | 321 | LMG | O2-C2-C1 | -2.28 | 104.64 | 110.08 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 11 | 311 | KC1 | O2D-CGD-O1D | -2.28 | 119.41 | 123.85 |
| 30 | 8 | 303 | CLA | O1D-CGD-CBD | -2.28 | 120.02 | 124.52 |
| 38 | 6 | 311 | KC1 | CHB-C4A-NA | 2.28 | 127.77 | 124.23 |
| 30 | 16 | 309 | CLA | CMB-C2B-C3B | 2.28 | 129.24 | 124.68 |
| 33 | B | 843 | BCR | C11-C10-C9 | -2.28 | 124.08 | 127.28 |
| 30 | B | 805 | CLA | CBA-CAA-C2A | 2.28 | 120.58 | 113.79 |
| 30 | 16 | 308 | CLA | CMB-C2B-C3B | 2.28 | 129.24 | 124.68 |
| 38 | 8 | 314 | KC1 | CMC-C2C-C1C | 2.28 | 128.60 | 125.03 |
| 30 | 12 | 308 | CLA | CHB-C4A-NA | 2.28 | 127.69 | 124.40 |
| 30 | B | 833 | CLA | CHA-C1A-NA | -2.28 | 121.23 | 126.39 |
| 30 | A | 809 | CLA | C4-C3-C5 | 2.28 | 119.19 | 115.23 |
| 37 | 11 | 315 | A86 | C35-C34-C33 | 2.28 | 113.98 | 109.89 |
| 30 | A | 840 | CLA | O2A-CGA-O1A | -2.28 | 117.93 | 123.63 |
| 30 | 12 | 312 | CLA | O2D-CGD-O1D | -2.28 | 119.41 | 123.85 |
| 30 | 7 | 305 | CLA | OBD-CAD-C3D | -2.28 | 123.09 | 128.42 |
| 30 | 2 | 303 | CLA | CHD-C4C-NC | 2.28 | 127.77 | 124.23 |
| 30 | 7 | 309 | CLA | CBC-CAC-C3C | -2.28 | 106.24 | 112.42 |
| 30 | B | 837 | CLA | CHB-C4A-NA | 2.28 | 127.69 | 124.40 |
| 38 | 5 | 305 | KC1 | CMC-C2C-C1C | 2.28 | 128.59 | 125.03 |
| 30 | 9 | 301 | CLA | CHD-C4C-NC | 2.28 | 127.76 | 124.23 |
| 30 | A | 838 | CLA | CHA-C1A-NA | -2.28 | 121.23 | 126.39 |
| 30 | A | 809 | CLA | CBC-CAC-C3C | -2.28 | 106.25 | 112.42 |
| 37 | 16 | 314 | A86 | C9-C10-C11 | -2.28 | 120.20 | 126.64 |
| 30 | 14 | 312 | CLA | O2D-CGD-O1D | -2.28 | 119.42 | 123.85 |
| 30 | 2 | 305 | CLA | CHB-C4A-NA | 2.28 | 127.69 | 124.40 |
| 30 | 7 | 306 | CLA | CHD-C4C-NC | 2.28 | 127.76 | 124.23 |
| 30 | 4 | 303 | CLA | CMC-C2C-C1C | 2.28 | 128.59 | 125.03 |
| 30 | 13 | 303 | CLA | CBC-CAC-C3C | -2.28 | 106.25 | 112.42 |
| 30 | B | 832 | CLA | O2A-CGA-CBA | 2.28 | 118.77 | 111.83 |
| 39 | 7 | 317 | DD6 | C14-C13-C11 | -2.28 | 122.00 | 125.53 |
| 38 | 10 | 306 | KC1 | CBC-CAC-C3C | -2.28 | 106.25 | 112.42 |
| 30 | 11 | 309 | CLA | O2A-CGA-O1A | -2.28 | 117.94 | 123.63 |
| 30 | A | 815 | CLA | C4-C3-C5 | 2.28 | 119.18 | 115.23 |
| 30 | 16 | 307 | CLA | CMB-C2B-C3B | 2.27 | 129.23 | 124.68 |
| 30 | 16 | 308 | CLA | O2D-CGD-O1D | -2.27 | 119.42 | 123.85 |
| 38 | 13 | 306 | KC1 | OBD-CAD-C3D | -2.27 | 124.34 | 127.89 |
| 37 | 5 | 316 | A86 | C10-C9-C8 | -2.27 | 116.61 | 123.20 |
| 30 | 6 | 316 | CLA | O1D-CGD-CBD | -2.27 | 120.03 | 124.52 |
| 30 | 11 | 310 | CLA | CHB-C4A-NA | 2.27 | 127.68 | 124.40 |
| 30 | 6 | 316 | CLA | CED-O2D-CGD | 2.27 | 121.07 | 115.92 |
| 30 | 7 | 310 | CLA | CAA-C2A-C3A | -2.27 | 106.86 | 113.00 |
| 30 | 4 | 303 | CLA | CHD-C4C-NC | 2.27 | 127.76 | 124.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 301 | CLA | O2A-CGA-CBA | 2.27 | 118.77 | 111.83 |
| 39 | 8 | 316 | DD6 | C33-C32-C31 | 2.27 | 113.97 | 109.49 |
| 30 | 6 | 304 | CLA | CHB-C4A-NA | 2.27 | 127.68 | 124.40 |
| 30 | B | 822 | CLA | C2A-C1A-CHA | -2.27 | 119.92 | 123.87 |
| 30 | 13 | 303 | CLA | CBA-CAA-C2A | 2.27 | 120.55 | 113.79 |
| 30 | 9 | 302 | CLA | CBC-CAC-C3C | -2.27 | 106.26 | 112.42 |
| 36 | 7 | 320 | LMG | O1-C7-C8 | -2.27 | 105.29 | 110.82 |
| 30 | F | 201 | CLA | C4-C3-C5 | 2.27 | 119.17 | 115.23 |
| 30 | 15 | 303 | CLA | CBC-CAC-C3C | -2.27 | 106.26 | 112.42 |
| 38 | 4 | 307 | KC1 | CHB-C4A-NA | 2.27 | 127.75 | 124.23 |
| 35 | 1 | 311 | LMT | O1B-C4'-C3' | 2.27 | 113.00 | 107.23 |
| 30 | 15 | 302 | CLA | C11-C12-C13 | -2.27 | 108.42 | 115.97 |
| 30 | 8 | 301 | CLA | CAA-C2A-C3A | -2.27 | 106.86 | 113.00 |
| 38 | 13 | 306 | KC1 | O1D-CGD-CBD | -2.27 | 120.04 | 124.52 |
| 38 | 1 | 308 | KC1 | CHB-C4A-NA | 2.27 | 127.75 | 124.23 |
| 37 | 10 | 316 | A86 | C19-C18-C17 | -2.27 | 106.55 | 110.79 |
| 30 | 3 | 307 | CLA | CHA-C1A-NA | -2.27 | 121.25 | 126.39 |
| 30 | B | 851 | CLA | CMB-C2B-C3B | 2.27 | 129.22 | 124.68 |
| 30 | B | 851 | CLA | O2A-CGA-O1A | -2.27 | 117.95 | 123.63 |
| 30 | 13 | 303 | CLA | C4-C3-C5 | 2.27 | 119.17 | 115.23 |
| 38 | 5 | 310 | KC1 | CBC-CAC-C3C | -2.27 | 106.27 | 112.42 |
| 30 | B | 838 | CLA | C1-C2-C3 | -2.27 | 122.48 | 126.20 |
| 30 | 11 | 309 | CLA | O2D-CGD-O1D | -2.27 | 119.44 | 123.85 |
| 30 | A | 807 | CLA | CHA-C1A-NA | -2.27 | 121.26 | 126.39 |
| 30 | A | 816 | CLA | O1D-CGD-CBD | -2.27 | 120.05 | 124.52 |
| 30 | 11 | 308 | CLA | C1-C2-C3 | -2.27 | 122.48 | 126.20 |
| 30 | 11 | 306 | CLA | O1D-CGD-CBD | -2.27 | 120.05 | 124.52 |
| 33 | J | 103 | BCR | C15-C16-C17 | -2.27 | 118.88 | 123.52 |
| 39 | 3 | 312 | DD6 | C3-C4-C5 | -2.27 | 118.88 | 123.52 |
| 30 | 14 | 303 | CLA | CMA-C3A-C4A | -2.27 | 105.68 | 111.77 |
| 38 | 11 | 311 | KC1 | CMC-C2C-C1C | 2.27 | 128.57 | 125.03 |
| 30 | A | 833 | CLA | CED-O2D-CGD | 2.27 | 121.05 | 115.92 |
| 30 | 16 | 302 | CLA | O2D-CGD-O1D | -2.27 | 119.44 | 123.85 |
| 38 | 6 | 313 | KC1 | O2D-CGD-O1D | -2.27 | 119.44 | 123.85 |
| 37 | 15 | 316 | A86 | O-C13-C11 | -2.26 | 116.16 | 121.04 |
| 37 | 14 | 320 | A86 | C7-C6-C8 | 2.26 | 121.55 | 118.09 |
| 30 | 16 | 310 | CLA | CMC-C2C-C1C | 2.26 | 128.57 | 125.03 |
| 38 | 12 | 309 | KC1 | O1D-CGD-CBD | -2.26 | 120.05 | 124.52 |
| 30 | B | 829 | CLA | CBC-CAC-C3C | -2.26 | 106.28 | 112.42 |
| 37 | 14 | 301 | A86 | C34-O4-C38 | -2.26 | 113.85 | 117.85 |
| 30 | 3 | 309 | CLA | O1D-CGD-CBD | -2.26 | 120.05 | 124.52 |
| 38 | 8 | 310 | KC1 | O2D-CGD-O1D | -2.26 | 119.44 | 123.85 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 303 | CLA | CMC-C2C-C1C | 2.26 | 128.57 | 125.03 |
| 38 | 1 | 308 | KC1 | CBC-CAC-C3C | -2.26 | 106.29 | 112.42 |
| 30 | A | 812 | CLA | CHB-C4A-NA | 2.26 | 127.67 | 124.40 |
| 30 | 9 | 308 | CLA | CBC-CAC-C3C | -2.26 | 106.29 | 112.42 |
| 30 | 10 | 311 | CLA | O2D-CGD-O1D | -2.26 | 119.45 | 123.85 |
| 30 | 16 | 309 | CLA | O1D-CGD-CBD | -2.26 | 120.06 | 124.52 |
| 33 | B | 842 | BCR | C28-C27-C26 | -2.26 | 110.03 | 114.06 |
| 30 | 16 | 307 | CLA | CMC-C2C-C1C | 2.26 | 128.57 | 125.03 |
| 30 | 9 | 302 | CLA | CMC-C2C-C1C | 2.26 | 128.56 | 125.03 |
| 30 | B | 820 | CLA | O1D-CGD-CBD | -2.26 | 120.06 | 124.52 |
| 30 | 16 | 310 | CLA | CHB-C4A-NA | 2.26 | 127.66 | 124.40 |
| 30 | 7 | 306 | CLA | CBC-CAC-C3C | -2.26 | 106.30 | 112.42 |
| 38 | 11 | 312 | KC1 | CBC-CAC-C3C | -2.26 | 106.30 | 112.42 |
| 38 | 8 | 312 | KC1 | CMC-C2C-C1C | 2.26 | 128.56 | 125.03 |
| 39 | 8 | 317 | DD6 | C3-C4-C5 | -2.26 | 118.90 | 123.52 |
| 38 | 14 | 311 | KC1 | CBC-CAC-C3C | -2.26 | 106.30 | 112.42 |
| 30 | 12 | 312 | CLA | CHB-C4A-NA | 2.26 | 127.66 | 124.40 |
| 30 | A | 806 | CLA | C1-C2-C3 | -2.26 | 122.50 | 126.20 |
| 37 | 11 | 315 | A86 | C12-C11-C13 | 2.26 | 119.66 | 116.00 |
| 30 | 3 | 302 | CLA | CMA-C3A-C2A | -2.26 | 105.26 | 113.98 |
| 30 | 10 | 305 | CLA | CMB-C2B-C1B | 2.26 | 131.76 | 128.46 |
| 30 | 1 | 307 | CLA | CMB-C2B-C3B | 2.26 | 129.19 | 124.68 |
| 30 | A | 810 | CLA | O2A-CGA-O1A | -2.26 | 117.98 | 123.63 |
| 30 | 5 | 307 | CLA | CAA-C2A-C3A | -2.26 | 106.90 | 113.00 |
| 30 | 10 | 309 | CLA | CHB-C4A-NA | 2.26 | 127.66 | 124.40 |
| 30 | A | 839 | CLA | CBA-CAA-C2A | 2.26 | 120.50 | 113.79 |
| 30 | 16 | 303 | CLA | C4-C3-C5 | 2.26 | 119.14 | 115.23 |
| 30 | 2 | 303 | CLA | CBC-CAC-C3C | -2.26 | 106.31 | 112.42 |
| 36 | A | 856 | LMG | O3-C3-C2 | -2.25 | 105.06 | 110.38 |
| 30 | B | 809 | CLA | CBC-CAC-C3C | -2.25 | 106.31 | 112.42 |
| 30 | 16 | 307 | CLA | CBC-CAC-C3C | -2.25 | 106.31 | 112.42 |
| 37 | 7 | 316 | A86 | C21-C20-C15 | -2.25 | 116.07 | 123.35 |
| 37 | 3 | 314 | A86 | C9-C8-C6 | -2.25 | 120.18 | 126.36 |
| 30 | 7 | 310 | CLA | CMC-C2C-C1C | 2.25 | 128.56 | 125.03 |
| 33 | J | 102 | BCR | C30-C25-C26 | -2.25 | 119.56 | 122.64 |
| 39 | 6 | 303 | DD6 | C15-C14-C13 | -2.25 | 121.23 | 125.99 |
| 30 | 4 | 303 | CLA | C4-C3-C5 | 2.25 | 119.14 | 115.23 |
| 30 | F | 203 | CLA | CHB-C4A-NA | 2.25 | 127.65 | 124.40 |
| 38 | 7 | 313 | KC1 | CBA-CAA-C2A | -2.25 | 116.41 | 125.45 |
| 30 | 13 | 303 | CLA | O2A-CGA-CBA | 2.25 | 118.70 | 111.83 |
| 30 | 5 | 304 | CLA | CMB-C2B-C3B | 2.25 | 129.18 | 124.68 |
| 30 | B | 819 | CLA | O2A-CGA-CBA | 2.25 | 118.70 | 111.83 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 2u | 203 | A86 | C41-C32-C31 | -2.25 | 108.46 | 110.47 |
| 30 | 15 | 311 | CLA | CHB-C4A-NA | 2.25 | 127.65 | 124.40 |
| 30 | 14 | 302 | CLA | CMD-C2D-C3D | -2.25 | 122.53 | 127.69 |
| 33 | L | 204 | BCR | C20-C21-C22 | -2.25 | 124.12 | 127.28 |
| 30 | F | 202 | CLA | C1-C2-C3 | -2.25 | 122.51 | 126.20 |
| 30 | B | 825 | CLA | O1D-CGD-CBD | -2.25 | 120.08 | 124.52 |
| 30 | F | 202 | CLA | C4-C3-C5 | 2.25 | 119.13 | 115.23 |
| 37 | 9 | 316 | A86 | C19-C18-C17 | 2.25 | 115.00 | 110.79 |
| 30 | 6 | 310 | CLA | CAA-C2A-C3A | -2.25 | 106.92 | 113.00 |
| 30 | 7 | 312 | CLA | O2D-CGD-O1D | -2.25 | 119.47 | 123.85 |
| 30 | 14 | 303 | CLA | C4-C3-C5 | 2.25 | 119.13 | 115.23 |
| 38 | 8 | 310 | KC1 | CHB-C4A-NA | 2.25 | 127.72 | 124.23 |
| 30 | A | 820 | CLA | CBC-CAC-C3C | -2.25 | 106.33 | 112.42 |
| 29 | A | 801 | CL0 | CAC-C3C-C4C | 2.25 | 127.71 | 124.79 |
| 37 | 11 | 314 | A86 | C7-C6-C5 | -2.25 | 119.17 | 122.82 |
| 33 | A | 847 | BCR | C15-C16-C17 | -2.25 | 118.92 | 123.52 |
| 30 | A | 822 | CLA | CMB-C2B-C3B | 2.25 | 129.17 | 124.68 |
| 30 | A | 842 | CLA | CMB-C2B-C3B | 2.25 | 129.17 | 124.68 |
| 30 | B | 819 | CLA | CMB-C2B-C3B | 2.25 | 129.17 | 124.68 |
| 30 | 6 | 315 | CLA | CMB-C2B-C3B | 2.25 | 129.17 | 124.68 |
| 39 | 6 | 321 | DD6 | C23-C16-C17 | -2.25 | 105.02 | 108.97 |
| 30 | A | 811 | CLA | O2D-CGD-O1D | -2.25 | 119.47 | 123.85 |
| 30 | 12 | 307 | CLA | CHB-C4A-NA | 2.25 | 127.64 | 124.40 |
| 30 | 14 | 304 | CLA | O2D-CGD-O1D | -2.25 | 119.48 | 123.85 |
| 30 | B | 821 | CLA | O2A-C1-C2 | 2.25 | 116.75 | 108.11 |
| 38 | 14 | 308 | KC1 | O1D-CGD-CBD | -2.25 | 120.09 | 124.52 |
| 30 | A | 810 | CLA | CED-O2D-CGD | 2.25 | 121.01 | 115.92 |
| 30 | A | 808 | CLA | C1-C2-C3 | -2.25 | 122.52 | 126.20 |
| 30 | 15 | 307 | CLA | O2D-CGD-O1D | -2.25 | 119.48 | 123.85 |
| 30 | B | 823 | CLA | C1-O2A-CGA | 2.24 | 122.08 | 116.65 |
| 38 | 12 | 311 | KC1 | O1D-CGD-CBD | -2.24 | 120.09 | 124.52 |
| 30 | A | 831 | CLA | C1-C2-C3 | -2.24 | 122.52 | 126.20 |
| 38 | 5 | 305 | KC1 | CAA-C2A-C1A | -2.24 | 114.81 | 124.64 |
| 39 | 12 | 315 | DD6 | C33-C32-C31 | 2.24 | 113.91 | 109.49 |
| 30 | 12 | 310 | CLA | CHB-C4A-NA | 2.24 | 127.64 | 124.40 |
| 30 | 6 | 306 | CLA | CMC-C2C-C1C | 2.24 | 128.54 | 125.03 |
| 30 | B | 824 | CLA | CMB-C2B-C3B | 2.24 | 129.16 | 124.68 |
| 30 | 6 | 307 | CLA | CMB-C2B-C3B | 2.24 | 129.16 | 124.68 |
| 30 | 14 | 303 | CLA | O2A-CGA-CBA | 2.24 | 118.67 | 111.83 |
| 37 | 3 | 315 | A86 | C3-C2-C1 | -2.24 | 124.14 | 127.28 |
| 37 | 15 | 323 | A86 | C24-C1-C2 | -2.24 | 115.48 | 119.01 |
| 30 | 10 | 305 | CLA | CBC-CAC-C3C | -2.24 | 106.34 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 3 | 308 | KC1 | CHB-C4A-NA | 2.24 | 127.71 | 124.23 |
| 38 | 11 | 311 | KC1 | CBC-CAC-C3C | -2.24 | 106.35 | 112.42 |
| 38 | 8 | 313 | KC1 | OBD-CAD-C3D | -2.24 | 124.40 | 127.89 |
| 30 | 5 | 309 | CLA | CMB-C2B-C3B | 2.24 | 129.16 | 124.68 |
| 38 | 9 | 310 | KC1 | CAA-C2A-C1A | -2.24 | 114.83 | 124.64 |
| 30 | 4 | 301 | CLA | O2A-CGA-CBA | 2.24 | 118.66 | 111.83 |
| 30 | 12 | 321 | CLA | CMB-C2B-C3B | 2.24 | 129.16 | 124.68 |
| 30 | 2 | 313 | CLA | CMC-C2C-C1C | 2.24 | 128.53 | 125.03 |
| 30 | B | 814 | CLA | C4-C3-C5 | 2.24 | 119.11 | 115.23 |
| 30 | 16 | 308 | CLA | CHB-C4A-NA | 2.24 | 127.63 | 124.40 |
| 30 | 12 | 321 | CLA | CBC-CAC-C3C | -2.24 | 106.36 | 112.42 |
| 30 | L | 202 | CLA | CMC-C2C-C1C | 2.24 | 128.53 | 125.03 |
| 38 | 13 | 306 | KC1 | CMC-C2C-C1C | 2.24 | 128.53 | 125.03 |
| 30 | A | 831 | CLA | OBD-CAD-C3D | -2.24 | 123.19 | 128.42 |
| 30 | B | 834 | CLA | CMC-C2C-C1C | 2.24 | 128.53 | 125.03 |
| 30 | 12 | 308 | CLA | CBC-CAC-C3C | -2.24 | 106.36 | 112.42 |
| 35 | 8 | 322 | LMT | C2'-C3'-C4' | 2.24 | 114.76 | 109.68 |
| 30 | B | 828 | CLA | C4-C3-C5 | 2.24 | 119.11 | 115.23 |
| 30 | 15 | 306 | CLA | CMB-C2B-C3B | 2.24 | 129.15 | 124.68 |
| 30 | B | 822 | CLA | O2D-CGD-O1D | -2.24 | 119.50 | 123.85 |
| 30 | A | 819 | CLA | CHA-C1A-NA | -2.24 | 121.33 | 126.39 |
| 39 | 5 | 313 | DD6 | C10-C9-C8 | -2.24 | 116.72 | 123.20 |
| 30 | A | 822 | CLA | C1-O2A-CGA | 2.24 | 122.06 | 116.65 |
| 30 | L | 203 | CLA | CHB-C4A-NA | 2.24 | 127.63 | 124.40 |
| 30 | B | 817 | CLA | C4-C3-C5 | 2.24 | 119.11 | 115.23 |
| 30 | B | 820 | CLA | CHC-C1C-C2C | -2.24 | 120.61 | 126.94 |
| 30 | A | 815 | CLA | CHA-C1A-NA | -2.23 | 121.33 | 126.39 |
| 39 | 8 | 316 | DD6 | C40-C32-C31 | -2.23 | 106.52 | 110.52 |
| 30 | B | 810 | CLA | O2A-CGA-CBA | 2.23 | 118.64 | 111.83 |
| 30 | 16 | 302 | CLA | CED-O2D-CGD | 2.23 | 120.98 | 115.92 |
| 30 | A | 844 | CLA | CBC-CAC-C3C | -2.23 | 106.37 | 112.42 |
| 30 | 14 | 313 | CLA | O1D-CGD-CBD | -2.23 | 120.11 | 124.52 |
| 30 | 14 | 305 | CLA | O2D-CGD-O1D | -2.23 | 119.50 | 123.85 |
| 33 | A | 849 | BCR | C11-C10-C9 | -2.23 | 124.15 | 127.28 |
| 30 | 9 | 301 | CLA | O2A-CGA-CBA | 2.23 | 118.64 | 111.83 |
| 30 | B | 831 | CLA | CMB-C2B-C3B | 2.23 | 129.14 | 124.68 |
| 30 | 7 | 309 | CLA | O2A-CGA-O1A | -2.23 | 118.05 | 123.63 |
| 38 | 14 | 306 | KC1 | CHB-C1B-C2B | -2.23 | 120.84 | 125.49 |
| 38 | 13 | 312 | KC1 | O2D-CGD-O1D | -2.23 | 119.50 | 123.85 |
| 30 | 15 | 312 | CLA | O1D-CGD-CBD | -2.23 | 120.12 | 124.52 |
| 30 | 12 | 321 | CLA | CHB-C4A-NA | 2.23 | 127.62 | 124.40 |
| 39 | 15 | 319 | DD6 | C9-C8-C6 | -2.23 | 120.25 | 126.36 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 14 | 302 | CLA | C4-C3-C2 | -2.23 | 117.90 | 123.63 |
| 30 | 7 | 311 | CLA | CHB-C4A-NA | 2.23 | 127.62 | 124.40 |
| 38 | 5 | 312 | KC1 | CHB-C4A-NA | 2.23 | 127.69 | 124.23 |
| 37 | 4 | 314 | A86 | C36-C31-C32 | -2.23 | 117.48 | 119.70 |
| 37 | 13 | 313 | A86 | C3-C2-C1 | -2.23 | 124.15 | 127.28 |
| 36 | 2u | 204 | LMG | O2-C2-C1 | -2.23 | 104.76 | 110.08 |
| 30 | F | 201 | CLA | C11-C10-C8 | -2.23 | 108.56 | 115.97 |
| 30 | 1 | 305 | CLA | O2D-CGD-O1D | -2.23 | 119.51 | 123.85 |
| 30 | 16 | 301 | CLA | CBA-CAA-C2A | 2.23 | 120.42 | 113.79 |
| 33 | B | 845 | BCR | C16-C15-C14 | -2.23 | 118.96 | 123.52 |
| 30 | 12 | 312 | CLA | CMB-C2B-C3B | 2.23 | 129.13 | 124.68 |
| 30 | B | 827 | CLA | CBC-CAC-C3C | -2.23 | 106.38 | 112.42 |
| 38 | 12 | 313 | KC1 | CHB-C1B-NB | -2.23 | 121.67 | 124.80 |
| 30 | 3 | 306 | CLA | C1B-CHB-C4A | -2.23 | 125.80 | 130.04 |
| 38 | 11 | 311 | KC1 | CHB-C4A-NA | 2.23 | 127.68 | 124.23 |
| 30 | A | 836 | CLA | CMC-C2C-C1C | 2.23 | 128.51 | 125.03 |
| 30 | 3 | 307 | CLA | C1-O2A-CGA | 2.22 | 122.04 | 116.65 |
| 30 | A | 802 | CLA | CHD-C4C-NC | 2.22 | 127.68 | 124.23 |
| 30 | 8 | 304 | CLA | CBC-CAC-C3C | -2.22 | 106.39 | 112.42 |
| 30 | B | 825 | CLA | CHB-C4A-NA | 2.22 | 127.61 | 124.40 |
| 30 | 15 | 312 | CLA | CHB-C4A-NA | 2.22 | 127.61 | 124.40 |
| 30 | 7 | 309 | CLA | CMC-C2C-C1C | 2.22 | 128.51 | 125.03 |
| 30 | 13 | 307 | CLA | CMC-C2C-C1C | 2.22 | 128.51 | 125.03 |
| 30 | A | 830 | CLA | CED-O2D-CGD | 2.22 | 120.96 | 115.92 |
| 37 | 14 | 314 | A86 | C35-C34-C33 | 2.22 | 113.88 | 109.89 |
| 39 | 6 | 321 | DD6 | C3-C4-C5 | -2.22 | 118.97 | 123.52 |
| 30 | A | 827 | CLA | O2D-CGD-O1D | -2.22 | 119.52 | 123.85 |
| 30 | B | 803 | CLA | C1C-C2C-C3C | -2.22 | 104.64 | 106.98 |
| 38 | 13 | 306 | KC1 | CHB-C4A-NA | 2.22 | 127.68 | 124.23 |
| 36 | B | 849 | LMG | C1-C2-C3 | -2.22 | 105.33 | 110.01 |
| 37 | 8 | 315 | A86 | C8-C6-C5 | -2.22 | 115.51 | 119.01 |
| 30 | B | 813 | CLA | CHA-C1A-NA | -2.22 | 121.36 | 126.39 |
| 30 | 1 | 302 | CLA | O2A-CGA-CBA | 2.22 | 118.61 | 111.83 |
| 39 | 7 | 314 | DD6 | C23-C16-C22 | -2.22 | 104.14 | 107.37 |
| 37 | 8 | 318 | A86 | O-C13-C11 | -2.22 | 116.26 | 121.04 |
| 37 | 15 | 320 | A86 | C4-C3-C2 | 2.22 | 128.06 | 123.52 |
| 30 | 7 | 304 | CLA | O2A-CGA-CBA | 2.22 | 118.61 | 111.83 |
| 30 | 9 | 301 | CLA | CHB-C4A-NA | 2.22 | 127.61 | 124.40 |
| 38 | 14 | 311 | KC1 | CHB-C4A-NA | 2.22 | 127.68 | 124.23 |
| 30 | 3 | 307 | CLA | CMB-C2B-C3B | 2.22 | 129.12 | 124.68 |
| 33 | B | 843 | BCR | C24-C23-C22 | -2.22 | 122.95 | 126.23 |
| 30 | 10 | 305 | CLA | O1D-CGD-CBD | -2.22 | 120.14 | 124.52 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 829 | CLA | C1B-CHB-C4A | -2.22 | 125.81 | 130.04 |
| 30 | 15 | 312 | CLA | CMC-C2C-C1C | 2.22 | 128.50 | 125.03 |
| 33 | B | 843 | BCR | C40-C30-C25 | 2.22 | 113.72 | 110.24 |
| 30 | 4 | 303 | CLA | CAA-C2A-C3A | -2.22 | 107.00 | 113.00 |
| 30 | B | 828 | CLA | CBC-CAC-C3C | -2.22 | 106.41 | 112.42 |
| 30 | B | 835 | CLA | CAC-C3C-C4C | 2.22 | 127.68 | 124.79 |
| 30 | B | 814 | CLA | O1D-CGD-CBD | -2.22 | 120.14 | 124.52 |
| 38 | 8 | 306 | KC1 | CAC-C3C-C4C | 2.22 | 127.67 | 124.79 |
| 30 | A | 830 | CLA | CMB-C2B-C3B | 2.22 | 129.11 | 124.68 |
| 30 | A | 838 | CLA | CMC-C2C-C1C | 2.22 | 128.50 | 125.03 |
| 30 | 11 | 308 | CLA | C1-O2A-CGA | 2.22 | 122.02 | 116.65 |
| 36 | 3 | 317 | LMG | O3-C3-C2 | -2.22 | 105.15 | 110.38 |
| 30 | 3 | 302 | CLA | C4-C3-C5 | 2.22 | 119.08 | 115.23 |
| 30 | B | 851 | CLA | O2D-CGD-O1D | -2.22 | 119.53 | 123.85 |
| 37 | 14 | 315 | A86 | C21-C20-C15 | -2.22 | 116.19 | 123.35 |
| 38 | 10 | 312 | KC1 | O2D-CGD-O1D | -2.22 | 119.53 | 123.85 |
| 38 | 5 | 306 | KC1 | CMC-C2C-C1C | 2.22 | 128.50 | 125.03 |
| 35 | A | 854 | LMT | O3'-C3'-C2' | -2.22 | 105.15 | 110.38 |
| 30 | 6 | 314 | CLA | CMD-C2D-C3D | -2.22 | 122.61 | 127.69 |
| 30 | B | 810 | CLA | CHB-C4A-NA | 2.21 | 127.60 | 124.40 |
| 30 | 6 | 307 | CLA | CHB-C4A-NA | 2.21 | 127.60 | 124.40 |
| 30 | B | 811 | CLA | CMA-C3A-C4A | -2.21 | 105.82 | 111.77 |
| 30 | 8 | 308 | CLA | O2D-CGD-O1D | -2.21 | 119.54 | 123.85 |
| 30 | 11 | 310 | CLA | CMD-C2D-C3D | -2.21 | 122.61 | 127.69 |
| 38 | 11 | 307 | KC1 | CHB-C4A-NA | 2.21 | 127.66 | 124.23 |
| 33 | B | 842 | BCR | C30-C25-C26 | -2.21 | 119.61 | 122.64 |
| 37 | 8 | 315 | A86 | O4-C38-O5 | -2.21 | 118.72 | 122.99 |
| 30 | 6 | 305 | CLA | O2D-CGD-O1D | -2.21 | 119.54 | 123.85 |
| 30 | B | 808 | CLA | O1D-CGD-CBD | -2.21 | 120.15 | 124.52 |
| 38 | 12 | 313 | KC1 | CBC-CAC-C3C | -2.21 | 106.42 | 112.42 |
| 30 | B | 831 | CLA | C1-O2A-CGA | 2.21 | 122.00 | 116.65 |
| 38 | 8 | 310 | KC1 | CHC-C1C-NC | 2.21 | 127.66 | 124.23 |
| 35 | 11 | 302 | LMT | C1B-O1B-C4' | -2.21 | 112.74 | 117.98 |
| 30 | 2 | 311 | CLA | CMB-C2B-C3B | 2.21 | 129.10 | 124.68 |
| 30 | A | 838 | CLA | O2A-CGA-O1A | -2.21 | 118.10 | 123.63 |
| 37 | 7 | 316 | A86 | C23-C16-C22 | -2.21 | 104.16 | 107.37 |
| 39 | 5 | 314 | DD6 | C23-C16-C15 | 2.21 | 116.01 | 110.05 |
| 30 | 10 | 309 | CLA | CED-O2D-CGD | 2.21 | 120.93 | 115.92 |
| 30 | A | 829 | CLA | CMA-C3A-C2A | -2.21 | 105.44 | 113.98 |
| 30 | 5 | 308 | CLA | O1D-CGD-CBD | -2.21 | 120.16 | 124.52 |
| 30 | 9 | 308 | CLA | CHA-C1A-NA | -2.21 | 121.39 | 126.39 |
| 37 | 11 | 315 | A86 | C22-C16-C17 | -2.21 | 105.09 | 108.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 12 | 307 | CLA | CMA-C3A-C4A | -2.21 | 105.84 | 111.77 |
| 33 | F | 204 | BCR | C16-C15-C14 | -2.21 | 119.00 | 123.52 |
| 30 | 4 | 311 | CLA | C5-C3-C4 | 2.21 | 119.67 | 114.59 |
| 30 | 6 | 304 | CLA | CMA-C3A-C2A | -2.21 | 105.45 | 113.98 |
| 38 | 13 | 305 | KC1 | CAB-C3B-C4B | 2.21 | 130.09 | 124.82 |
| 30 | A | 840 | CLA | CHA-C1A-NA | -2.21 | 121.39 | 126.39 |
| 39 | 3 | 316 | DD6 | C3-C4-C5 | -2.21 | 119.00 | 123.52 |
| 30 | 3 | 307 | CLA | C4-C3-C5 | 2.21 | 119.06 | 115.23 |
| 30 | 12 | 304 | CLA | CMC-C2C-C1C | 2.21 | 128.48 | 125.03 |
| 30 | 3 | 305 | CLA | CHA-C1A-NA | -2.21 | 121.40 | 126.39 |
| 30 | 8 | 304 | CLA | CMB-C2B-C3B | 2.21 | 129.09 | 124.68 |
| 37 | 5 | 315 | A86 | C34-O4-C38 | -2.21 | 113.95 | 117.85 |
| 30 | B | 811 | CLA | CBC-CAC-C3C | -2.21 | 106.44 | 112.42 |
| 30 | 14 | 309 | CLA | CHA-C1A-NA | -2.20 | 121.40 | 126.39 |
| 30 | 9 | 307 | CLA | CMB-C2B-C3B | 2.20 | 129.09 | 124.68 |
| 37 | 8 | 318 | A86 | C7-C6-C5 | 2.20 | 126.39 | 122.82 |
| 37 | 5 | 316 | A86 | C7-C6-C8 | 2.20 | 121.46 | 118.09 |
| 30 | 8 | 305 | CLA | C11-C10-C8 | -2.20 | 108.64 | 115.97 |
| 37 | 13 | 315 | A86 | C3-C4-C5 | -2.20 | 119.01 | 123.52 |
| 30 | 6 | 309 | CLA | CBA-CAA-C2A | 2.20 | 120.35 | 113.79 |
| 30 | B | 830 | CLA | CHA-C1A-NA | -2.20 | 121.40 | 126.39 |
| 30 | 7 | 305 | CLA | CMD-C2D-C3D | -2.20 | 122.64 | 127.69 |
| 30 | 11 | 308 | CLA | O2A-CGA-CBA | 2.20 | 118.55 | 111.83 |
| 39 | 6 | 319 | DD6 | C23-C16-C22 | -2.20 | 104.17 | 107.37 |
| 30 | 10 | 309 | CLA | CMC-C2C-C1C | 2.20 | 128.48 | 125.03 |
| 39 | 8 | 317 | DD6 | C33-C32-C31 | 2.20 | 113.83 | 109.49 |
| 30 | B | 812 | CLA | CAA-C2A-C3A | -2.20 | 107.05 | 113.00 |
| 33 | B | 843 | BCR | C15-C14-C13 | -2.20 | 124.19 | 127.28 |
| 30 | A | 815 | CLA | CHC-C1C-NC | 2.20 | 127.63 | 124.31 |
| 36 | 7 | 320 | LMG | O8-C28-O10 | -2.20 | 118.12 | 123.63 |
| 30 | 1 | 303 | CLA | CMC-C2C-C1C | 2.20 | 128.47 | 125.03 |
| 30 | 2 | 308 | CLA | CBC-CAC-C3C | -2.20 | 106.45 | 112.42 |
| 30 | 7 | 310 | CLA | CBA-CAA-C2A | 2.20 | 120.34 | 113.79 |
| 30 | 4 | 309 | CLA | CMC-C2C-C1C | 2.20 | 128.47 | 125.03 |
| 30 | A | 831 | CLA | CBC-CAC-C3C | -2.20 | 106.45 | 112.42 |
| 30 | 6 | 317 | CLA | O2D-CGD-O1D | -2.20 | 119.56 | 123.85 |
| 30 | A | 844 | CLA | CMB-C2B-C3B | 2.20 | 129.08 | 124.68 |
| 30 | A | 803 | CLA | C1B-CHB-C4A | -2.20 | 125.84 | 130.04 |
| 30 | B | 821 | CLA | CHB-C4A-NA | 2.20 | 127.57 | 124.40 |
| 30 | B | 801 | CLA | O1D-CGD-CBD | -2.20 | 120.18 | 124.52 |
| 30 | B | 813 | CLA | C1-C2-C3 | -2.20 | 122.59 | 126.20 |
| 38 | 12 | 313 | KC1 | CGD-CBD-CAD | -2.20 | 103.73 | 110.85 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 13 | 302 | CLA | CHB-C4A-NA | 2.20 | 127.57 | 124.40 |
| 30 | 15 | 312 | CLA | CAA-C2A-C3A | -2.20 | 107.06 | 113.00 |
| 30 | B | 821 | CLA | C4-C3-C5 | 2.20 | 119.04 | 115.23 |
| 38 | 16 | 311 | KC1 | CHB-C4A-NA | 2.20 | 127.64 | 124.23 |
| 38 | 13 | 306 | KC1 | O2D-CGD-O1D | -2.20 | 119.57 | 123.85 |
| 37 | 16 | 312 | A86 | C22-C16-C17 | -2.20 | 105.11 | 108.97 |
| 30 | A | 844 | CLA | CMC-C2C-C1C | 2.20 | 128.47 | 125.03 |
| 30 | 14 | 313 | CLA | CMC-C2C-C1C | 2.20 | 128.47 | 125.03 |
| 30 | 5 | 302 | CLA | CHB-C4A-NA | 2.20 | 127.57 | 124.40 |
| 30 | A | 835 | CLA | CMB-C2B-C3B | 2.20 | 129.07 | 124.68 |
| 30 | A | 835 | CLA | O1D-CGD-CBD | -2.20 | 120.19 | 124.52 |
| 37 | 11 | 314 | A86 | C-C1-C24 | 2.20 | 121.44 | 118.09 |
| 30 | 6 | 309 | CLA | C1-C2-C3 | -2.20 | 122.60 | 126.20 |
| 38 | 2 | 312 | KC1 | CAA-C2A-C1A | -2.20 | 115.02 | 124.64 |
| 30 | B | 819 | CLA | C11-C10-C8 | -2.20 | 108.67 | 115.97 |
| 39 | 10 | 314 | DD6 | C10-C9-C8 | -2.19 | 116.84 | 123.20 |
| 38 | 12 | 311 | KC1 | CAB-C3B-C4B | 2.19 | 130.06 | 124.82 |
| 30 | B | 818 | CLA | C2A-C3A-C4A | -2.19 | 98.32 | 101.87 |
| 30 | 1 | 303 | CLA | O2A-CGA-CBA | 2.19 | 118.52 | 111.83 |
| 39 | 8 | 317 | DD6 | C23-C16-C17 | -2.19 | 105.11 | 108.97 |
| 30 | 6 | 304 | CLA | CAA-C2A-C3A | -2.19 | 107.07 | 113.00 |
| 30 | A | 839 | CLA | CMB-C2B-C3B | 2.19 | 129.06 | 124.68 |
| 30 | B | 803 | CLA | CAC-C3C-C4C | 2.19 | 127.64 | 124.79 |
| 30 | 2 | 313 | CLA | CBC-CAC-C3C | -2.19 | 106.48 | 112.42 |
| 37 | 11 | 314 | A86 | C8-C6-C5 | 2.19 | 122.46 | 119.01 |
| 30 | 16 | 306 | CLA | O1D-CGD-CBD | -2.19 | 120.20 | 124.52 |
| 30 | 6 | 314 | CLA | O1D-CGD-CBD | -2.19 | 120.20 | 124.52 |
| 36 | 7 | 320 | LMG | O3-C3-C2 | -2.19 | 105.21 | 110.38 |
| 30 | B | 809 | CLA | C1-C2-C3 | -2.19 | 122.61 | 126.20 |
| 30 | 5 | 303 | CLA | C1-O2A-CGA | 2.19 | 121.95 | 116.65 |
| 30 | 16 | 301 | CLA | C4-C3-C2 | -2.19 | 118.00 | 123.63 |
| 38 | 14 | 306 | KC1 | CMB-C2B-C1B | 2.19 | 128.59 | 124.73 |
| 30 | 15 | 302 | CLA | CBC-CAC-C3C | -2.19 | 106.48 | 112.42 |
| 30 | 13 | 303 | CLA | CMB-C2B-C3B | 2.19 | 129.06 | 124.68 |
| 30 | 9 | 305 | CLA | C4-C3-C5 | 2.19 | 119.03 | 115.23 |
| 30 | 7 | 306 | CLA | CMB-C2B-C3B | 2.19 | 129.06 | 124.68 |
| 30 | 5 | 311 | CLA | C1-C2-C3 | -2.19 | 122.61 | 126.20 |
| 30 | 7 | 309 | CLA | C1-C2-C3 | -2.19 | 122.61 | 126.20 |
| 33 | J | 103 | BCR | C33-C5-C6 | -2.19 | 122.10 | 124.48 |
| 37 | 14 | 315 | A86 | C3-C4-C5 | -2.19 | 119.04 | 123.52 |
| 38 | 6 | 313 | KC1 | CHB-C4A-NA | 2.19 | 127.62 | 124.23 |
| 38 | 11 | 311 | KC1 | CMB-C2B-C1B | 2.19 | 128.58 | 124.73 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | F | 202 | CLA | C1-O2A-CGA | 2.19 | 121.94 | 116.65 |
| 39 | 7 | 318 | DD6 | C4-C3-C2 | -2.19 | 119.04 | 123.52 |
| 30 | L | 202 | CLA | CMB-C2B-C3B | 2.19 | 129.05 | 124.68 |
| 37 | 1 | 309 | A86 | C-C1-C24 | 2.19 | 121.43 | 118.09 |
| 30 | B | 826 | CLA | CHA-C1A-NA | -2.19 | 121.44 | 126.39 |
| 39 | 3 | 313 | DD6 | O1-C20-C21 | -2.19 | 112.61 | 115.05 |
| 36 | 5 | 318 | LMG | O2-C2-C1 | -2.19 | 104.87 | 110.08 |
| 30 | A | 811 | CLA | O2A-CGA-CBA | 2.19 | 118.50 | 111.83 |
| 30 | 11 | 306 | CLA | O2A-CGA-CBA | 2.19 | 118.50 | 111.83 |
| 38 | 13 | 308 | KC1 | O1D-CGD-CBD | -2.19 | 120.21 | 124.52 |
| 30 | B | 823 | CLA | C1-C2-C3 | -2.18 | 122.62 | 126.20 |
| 37 | 15 | 315 | A86 | C9-C10-C11 | -2.18 | 120.46 | 126.64 |
| 30 | F | 201 | CLA | CMB-C2B-C3B | 2.18 | 129.05 | 124.68 |
| 38 | 5 | 310 | KC1 | CHB-C4A-NA | 2.18 | 127.62 | 124.23 |
| 39 | 7 | 302 | DD6 | C23-C16-C22 | -2.18 | 104.20 | 107.37 |
| 30 | B | 801 | CLA | O2D-CGD-O1D | -2.18 | 119.60 | 123.85 |
| 30 | 10 | 305 | CLA | CHB-C4A-NA | 2.18 | 127.55 | 124.40 |
| 30 | B | 834 | CLA | O1D-CGD-CBD | -2.18 | 120.21 | 124.52 |
| 30 | A | 819 | CLA | C4-C3-C5 | 2.18 | 119.02 | 115.23 |
| 38 | 11 | 305 | KC1 | CHB-C4A-NA | 2.18 | 127.62 | 124.23 |
| 30 | A | 834 | CLA | CMC-C2C-C1C | 2.18 | 128.44 | 125.03 |
| 36 | F | 205 | LMG | O3-C3-C2 | -2.18 | 105.23 | 110.38 |
| 30 | 2 | 311 | CLA | O2D-CGD-O1D | -2.18 | 119.60 | 123.85 |
| 37 | 9 | 315 | A86 | C12-C11-C13 | 2.18 | 119.54 | 116.00 |
| 30 | B | 802 | CLA | CHD-C4C-NC | 2.18 | 127.61 | 124.23 |
| 30 | 14 | 309 | CLA | CMB-C2B-C3B | 2.18 | 129.04 | 124.68 |
| 30 | B | 835 | CLA | C4-C3-C5 | 2.18 | 119.02 | 115.23 |
| 30 | A | 842 | CLA | CHB-C4A-NA | 2.18 | 127.55 | 124.40 |
| 37 | 8 | 315 | A86 | C3-C2-C1 | -2.18 | 124.22 | 127.28 |
| 30 | 8 | 308 | CLA | CBC-CAC-C3C | -2.18 | 106.51 | 112.42 |
| 30 | 2 | 309 | CLA | CED-O2D-CGD | 2.18 | 120.86 | 115.92 |
| 37 | 10 | 317 | A86 | C34-O4-C38 | -2.18 | 113.99 | 117.85 |
| 30 | A | 810 | CLA | CHB-C4A-NA | 2.18 | 127.55 | 124.40 |
| 38 | 7 | 313 | KC1 | O2D-CGD-O1D | -2.18 | 119.61 | 123.85 |
| 30 | 6 | 310 | CLA | CBC-CAC-C3C | -2.18 | 106.51 | 112.42 |
| 30 | 12 | 312 | CLA | C4-C3-C5 | 2.18 | 119.01 | 115.23 |
| 30 | 16 | 307 | CLA | CHB-C4A-NA | 2.18 | 127.55 | 124.40 |
| 34 | A | 852 | LHG | C20-C19-C18 | -2.18 | 103.35 | 114.37 |
| 37 | 2u | 203 | A86 | C-C1-C2 | -2.18 | 119.29 | 122.82 |
| 34 | B | 848 | LHG | O8-C23-O10 | -2.18 | 118.18 | 123.63 |
| 38 | 13 | 310 | KC1 | CHB-C4A-NA | 2.18 | 127.61 | 124.23 |
| 33 | J | 103 | BCR | C10-C11-C12 | -2.18 | 116.89 | 123.20 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 16 | 305 | CLA | C5-C3-C4 | 2.18 | 119.60 | 114.59 |
| 33 | 2u | 201 | BCR | C10-C11-C12 | -2.18 | 116.89 | 123.20 |
| 37 | 2 | 318 | A86 | C4-C3-C2 | -2.18 | 119.06 | 123.52 |
| 38 | 6 | 312 | KC1 | CAB-C3B-C4B | 2.18 | 130.02 | 124.82 |
| 37 | 15 | 315 | A86 | C12-C11-C10 | -2.18 | 118.38 | 123.67 |
| 30 | A | 837 | CLA | CAA-C2A-C3A | -2.18 | 107.12 | 113.00 |
| 30 | 2u | 202 | CLA | CAA-C2A-C3A | -2.18 | 107.12 | 113.00 |
| 30 | 3 | 306 | CLA | C2A-C3A-C4A | -2.18 | 98.35 | 101.87 |
| 30 | 5 | 307 | CLA | CBA-CAA-C2A | 2.18 | 120.27 | 113.79 |
| 30 | 13 | 301 | CLA | CBC-CAC-C3C | -2.18 | 106.52 | 112.42 |
| 38 | 4 | 310 | KC1 | CBC-CAC-C3C | -2.18 | 106.52 | 112.42 |
| 30 | 1 | 304 | CLA | CHB-C4A-NA | 2.18 | 127.54 | 124.40 |
| 34 | A | 852 | LHG | C27-C26-C25 | -2.18 | 103.37 | 114.37 |
| 38 | 9 | 312 | KC1 | CAA-C2A-C1A | -2.18 | 115.11 | 124.64 |
| 30 | B | 834 | CLA | O2A-CGA-O1A | -2.17 | 118.19 | 123.63 |
| 30 | 16 | 306 | CLA | O2D-CGD-O1D | -2.17 | 119.61 | 123.85 |
| 38 | 3 | 304 | KC1 | CAA-C2A-C1A | -2.17 | 115.12 | 124.64 |
| 30 | 16 | 309 | CLA | CMC-C2C-C1C | 2.17 | 128.43 | 125.03 |
| 37 | 15 | 315 | A86 | C26-C25-C24 | 2.17 | 129.50 | 123.20 |
| 37 | 14 | 316 | A86 | C7-C6-C8 | 2.17 | 121.41 | 118.09 |
| 30 | 10 | 308 | CLA | O2D-CGD-O1D | -2.17 | 119.62 | 123.85 |
| 30 | 10 | 311 | CLA | CMC-C2C-C1C | 2.17 | 128.43 | 125.03 |
| 30 | A | 825 | CLA | CBC-CAC-C3C | -2.17 | 106.53 | 112.42 |
| 30 | B | 826 | CLA | CHB-C4A-NA | 2.17 | 127.53 | 124.40 |
| 37 | 14 | 317 | A86 | C21-C20-C15 | -2.17 | 116.34 | 123.35 |
| 30 | 15 | 307 | CLA | C5-C3-C4 | 2.17 | 119.58 | 114.59 |
| 37 | 15 | 315 | A86 | O-C13-C14 | -2.17 | 117.31 | 121.76 |
| 30 | 12 | 308 | CLA | CMB-C2B-C3B | 2.17 | 129.02 | 124.68 |
| 38 | 13 | 308 | KC1 | CHB-C4A-NA | 2.17 | 127.59 | 124.23 |
| 38 | 11 | 312 | KC1 | CED-O2D-CGD | 2.17 | 120.83 | 115.92 |
| 30 | B | 823 | CLA | C4-C3-C5 | 2.17 | 118.99 | 115.23 |
| 37 | 2 | 318 | A86 | C34-O4-C38 | -2.17 | 114.02 | 117.85 |
| 30 | 15 | 309 | CLA | CBC-CAC-C3C | -2.17 | 106.55 | 112.42 |
| 30 | B | 812 | CLA | C4-C3-C5 | 2.17 | 118.99 | 115.23 |
| 30 | A | 844 | CLA | O2A-CGA-CBA | 2.17 | 118.44 | 111.83 |
| 37 | 6 | 320 | A86 | O1-C15-C20 | -2.17 | 57.61 | 59.45 |
| 30 | B | 826 | CLA | CMC-C2C-C1C | 2.17 | 128.42 | 125.03 |
| 30 | 15 | 313 | CLA | CMC-C2C-C1C | 2.17 | 128.42 | 125.03 |
| 36 | 5 | 318 | LMG | O3-C3-C2 | -2.17 | 105.27 | 110.38 |
| 37 | 14 | 315 | A86 | C8-C6-C5 | 2.16 | 122.41 | 119.01 |
| 30 | 7 | 303 | CLA | O2A-CGA-O1A | -2.16 | 118.21 | 123.63 |
| 30 | 1 | 302 | CLA | CHB-C4A-NA | 2.16 | 127.52 | 124.40 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 33 | A | 850 | BCR | C20-C21-C22 | -2.16 | 124.24 | 127.28 |
| 30 | 12 | 303 | CLA | CHA-C1A-NA | -2.16 | 121.49 | 126.39 |
| 30 | B | 833 | CLA | CMC-C2C-C1C | 2.16 | 128.41 | 125.03 |
| 30 | B | 818 | CLA | CHA-C1A-NA | -2.16 | 121.49 | 126.39 |
| 30 | 13 | 309 | CLA | CMB-C2B-C3B | 2.16 | 129.01 | 124.68 |
| 36 | 5 | 318 | LMG | O1-C1-C2 | -2.16 | 104.99 | 108.27 |
| 30 | B | 833 | CLA | CMB-C2B-C3B | 2.16 | 129.00 | 124.68 |
| 38 | 8 | 314 | KC1 | CHB-C1B-NB | -2.16 | 121.76 | 124.80 |
| 30 | 4 | 306 | CLA | C1-C2-C3 | -2.16 | 122.65 | 126.20 |
| 30 | 7 | 307 | CLA | C6-C7-C8 | -2.16 | 108.78 | 115.97 |
| 30 | 12 | 304 | CLA | O1D-CGD-CBD | -2.16 | 120.25 | 124.52 |
| 36 | 8 | 319 | LMG | O1-C1-C2 | -2.16 | 104.99 | 108.27 |
| 38 | 1 | 306 | KC1 | CMC-C2C-C1C | 2.16 | 128.41 | 125.03 |
| 30 | 12 | 303 | CLA | CED-O2D-CGD | 2.16 | 120.82 | 115.92 |
| 30 | A | 839 | CLA | C4-C3-C5 | 2.16 | 118.98 | 115.23 |
| 30 | B | 804 | CLA | O2A-CGA-O1A | -2.16 | 118.23 | 123.63 |
| 37 | 15 | 321 | A86 | C21-C20-C15 | -2.16 | 116.38 | 123.35 |
| 30 | A | 830 | CLA | O2A-CGA-O1A | -2.16 | 118.23 | 123.63 |
| 36 | 8 | 320 | LMG | O1-C1-C2 | -2.16 | 104.99 | 108.27 |
| 38 | 12 | 311 | KC1 | O2A-CGA-O1A | -2.16 | 118.30 | 122.70 |
| 37 | 14 | 301 | A86 | C4-C3-C2 | -2.16 | 119.10 | 123.52 |
| 37 | 15 | 316 | A86 | C19-C18-C17 | 2.16 | 114.83 | 110.79 |
| 30 | J | 101 | CLA | CBC-CAC-C3C | -2.16 | 106.57 | 112.42 |
| 30 | 2 | 308 | CLA | O2D-CGD-O1D | -2.16 | 119.65 | 123.85 |
| 30 | A | 836 | CLA | O2D-CGD-O1D | -2.16 | 119.65 | 123.85 |
| 30 | 15 | 311 | CLA | CMC-C2C-C1C | 2.16 | 128.41 | 125.03 |
| 30 | 4 | 304 | CLA | CAA-CBA-CGA | 2.16 | 119.33 | 113.21 |
| 30 | A | 811 | CLA | CMC-C2C-C1C | 2.16 | 128.40 | 125.03 |
| 36 | F | 205 | LMG | C9-C8-C7 | -2.16 | 106.76 | 111.78 |
| 36 | 3 | 317 | LMG | C9-C8-C7 | -2.16 | 106.76 | 111.78 |
| 30 | 13 | 304 | CLA | CMC-C2C-C1C | 2.16 | 128.40 | 125.03 |
| 30 | 6 | 307 | CLA | CBC-CAC-C3C | -2.16 | 106.58 | 112.42 |
| 30 | 2 | 313 | CLA | O1D-CGD-CBD | -2.16 | 120.27 | 124.52 |
| 30 | 7 | 309 | CLA | O2D-CGD-O1D | -2.16 | 119.65 | 123.85 |
| 30 | A | 810 | CLA | CAA-C2A-C1A | 2.15 | 119.04 | 111.97 |
| 30 | 2 | 305 | CLA | CBC-CAC-C3C | -2.15 | 106.58 | 112.42 |
| 38 | 13 | 305 | KC1 | CMC-C2C-C1C | 2.15 | 128.40 | 125.03 |
| 30 | B | 811 | CLA | C2A-C1A-CHA | -2.15 | 120.13 | 123.87 |
| 30 | 8 | 302 | CLA | CHB-C4A-NA | 2.15 | 127.51 | 124.40 |
| 30 | 15 | 305 | CLA | O2A-CGA-CBA | 2.15 | 120.81 | 114.00 |
| 30 | B | 825 | CLA | O2A-CGA-O1A | -2.15 | 118.24 | 123.63 |
| 30 | 13 | 302 | CLA | CED-O2D-CGD | 2.15 | 120.80 | 115.92 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 3 | 309 | CLA | CHB-C4A-NA | 2.15 | 127.51 | 124.40 |
| 30 | A | 822 | CLA | O2A-CGA-CBA | 2.15 | 118.40 | 111.83 |
| 39 | 15 | 318 | DD6 | C3-C4-C5 | -2.15 | 119.11 | 123.52 |
| 30 | 5 | 303 | CLA | O2D-CGD-O1D | -2.15 | 119.66 | 123.85 |
| 30 | 2 | 310 | CLA | CHA-C1A-NA | -2.15 | 121.52 | 126.39 |
| 30 | 7 | 312 | CLA | CBC-CAC-C3C | -2.15 | 106.59 | 112.42 |
| 37 | 2 | 318 | A86 | C7-C6-C8 | 2.15 | 121.37 | 118.09 |
| 30 | A | 827 | CLA | CMB-C2B-C3B | 2.15 | 128.98 | 124.68 |
| 38 | 5 | 310 | KC1 | CMB-C2B-C1B | 2.15 | 128.51 | 124.73 |
| 38 | 5 | 306 | KC1 | CBC-CAC-C3C | -2.15 | 106.59 | 112.42 |
| 37 | 15 | 321 | A86 | C8-C6-C5 | -2.15 | 115.63 | 119.01 |
| 30 | 11 | 304 | CLA | CAA-C2A-C3A | -2.15 | 107.19 | 113.00 |
| 30 | A | 835 | CLA | CBC-CAC-C3C | -2.15 | 106.59 | 112.42 |
| 30 | 15 | 308 | CLA | CHA-C1A-NA | -2.15 | 121.53 | 126.39 |
| 30 | F | 201 | CLA | O2A-CGA-O1A | -2.15 | 118.25 | 123.63 |
| 37 | 11 | 315 | A86 | C10-C9-C8 | -2.15 | 116.97 | 123.20 |
| 37 | 2 | 319 | A86 | C4-C3-C2 | -2.15 | 119.12 | 123.52 |
| 30 | 5 | 307 | CLA | CHA-C1A-NA | -2.15 | 121.53 | 126.39 |
| 36 | 6 | 301 | LMG | O3-C3-C2 | -2.15 | 105.31 | 110.38 |
| 30 | 2 | 309 | CLA | CBC-CAC-C3C | -2.15 | 106.60 | 112.42 |
| 33 | F | 204 | BCR | C38-C26-C27 | -2.15 | 109.02 | 113.60 |
| 33 | J | 102 | BCR | C33-C5-C6 | -2.15 | 122.14 | 124.48 |
| 30 | 11 | 310 | CLA | CED-O2D-CGD | 2.15 | 120.78 | 115.92 |
| 30 | B | 831 | CLA | CHB-C4A-NA | 2.15 | 127.50 | 124.40 |
| 39 | 6 | 321 | DD6 | C25-C24-C1 | -2.15 | 120.48 | 126.36 |
| 30 | B | 802 | CLA | CGD-CBD-CAD | -2.15 | 103.90 | 110.85 |
| 30 | 5 | 311 | CLA | CBC-CAC-C3C | -2.15 | 106.60 | 112.42 |
| 37 | 10 | 316 | A86 | C34-O4-C38 | -2.15 | 114.06 | 117.85 |
| 30 | A | 807 | CLA | CMC-C2C-C1C | 2.15 | 128.39 | 125.03 |
| 30 | 3 | 305 | CLA | CED-O2D-CGD | 2.14 | 120.78 | 115.92 |
| 30 | B | 833 | CLA | CHB-C4A-NA | 2.14 | 127.50 | 124.40 |
| 33 | B | 844 | BCR | C24-C23-C22 | -2.14 | 123.06 | 126.23 |
| 38 | 11 | 307 | KC1 | CBC-CAC-C3C | -2.14 | 106.61 | 112.42 |
| 30 | B | 828 | CLA | CHB-C4A-NA | 2.14 | 127.49 | 124.40 |
| 39 | 6 | 319 | DD6 | C15-C14-C13 | -2.14 | 121.46 | 125.99 |
| 37 | 14 | 301 | A86 | C7-C6-C8 | 2.14 | 121.36 | 118.09 |
| 30 | F | 201 | CLA | CAC-C3C-C4C | 2.14 | 127.58 | 124.79 |
| 35 | 1 | 311 | LMT | O3'-C3'-C2' | -2.14 | 105.33 | 110.38 |
| 30 | B | 806 | CLA | CMB-C2B-C3B | 2.14 | 128.96 | 124.68 |
| 30 | 3 | 302 | CLA | CHB-C4A-NA | 2.14 | 127.49 | 124.40 |
| 37 | 4 | 317 | A86 | C8-C6-C5 | -2.14 | 115.64 | 119.01 |
| 39 | 2 | 316 | DD6 | C22-C16-C17 | -2.14 | 105.21 | 108.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 36 | B | 847 | LMG | O7-C10-O9 | -2.14 | 118.70 | 123.70 |
| 30 | F | 203 | CLA | O1D-CGD-CBD | -2.14 | 120.30 | 124.52 |
| 36 | 7 | 320 | LMG | O7-C10-O9 | -2.14 | 118.70 | 123.70 |
| 30 | A | 843 | CLA | CHB-C4A-NA | 2.14 | 127.49 | 124.40 |
| 30 | 13 | 304 | CLA | CHB-C4A-NA | 2.14 | 127.49 | 124.40 |
| 30 | 12 | 321 | CLA | CHA-C1A-NA | -2.14 | 121.55 | 126.39 |
| 30 | A | 832 | CLA | C5-C3-C4 | 2.14 | 119.51 | 114.59 |
| 38 | 9 | 304 | KC1 | CHB-C4A-NA | 2.14 | 127.55 | 124.23 |
| 30 | 15 | 311 | CLA | CMB-C2B-C3B | 2.14 | 128.96 | 124.68 |
| 30 | 9 | 303 | CLA | CHB-C4A-NA | 2.14 | 127.48 | 124.40 |
| 30 | 1 | 304 | CLA | O2A-CGA-CBA | 2.14 | 118.35 | 111.83 |
| 38 | 4 | 308 | KC1 | CHC-C1C-NC | 2.14 | 127.55 | 124.23 |
| 30 | 4 | 302 | CLA | O2A-CGA-CBA | 2.14 | 118.35 | 111.83 |
| 30 | 13 | 304 | CLA | O2D-CGD-O1D | -2.14 | 119.69 | 123.85 |
| 30 | B | 824 | CLA | O2A-CGA-O1A | -2.14 | 118.29 | 123.63 |
| 38 | 13 | 305 | KC1 | CBC-CAC-C3C | -2.14 | 106.63 | 112.42 |
| 37 | 14 | 314 | A86 | C26-C25-C24 | -2.13 | 117.01 | 123.20 |
| 30 | A | 807 | CLA | CAC-C3C-C4C | 2.13 | 127.57 | 124.79 |
| 30 | 16 | 306 | CLA | CHB-C4A-NA | 2.13 | 127.48 | 124.40 |
| 30 | A | 829 | CLA | C4-C3-C5 | 2.13 | 118.93 | 115.23 |
| 30 | A | 807 | CLA | CBC-CAC-C3C | -2.13 | 106.64 | 112.42 |
| 33 | A | 851 | BCR | C15-C14-C13 | -2.13 | 124.29 | 127.28 |
| 38 | 1 | 306 | KC1 | CHB-C4A-NA | 2.13 | 127.54 | 124.23 |
| 30 | 14 | 304 | CLA | CMB-C2B-C3B | 2.13 | 128.94 | 124.68 |
| 30 | A | 830 | CLA | CHB-C4A-NA | 2.13 | 127.48 | 124.40 |
| 30 | 8 | 303 | CLA | CHB-C4A-NA | 2.13 | 127.48 | 124.40 |
| 37 | 10 | 315 | A86 | C36-C31-C32 | -2.13 | 117.58 | 119.70 |
| 30 | 10 | 307 | CLA | CHA-C1A-NA | -2.13 | 121.56 | 126.39 |
| 30 | A | 804 | CLA | CBC-CAC-C3C | -2.13 | 106.64 | 112.42 |
| 30 | B | 825 | CLA | CMC-C2C-C1C | 2.13 | 128.36 | 125.03 |
| 30 | 15 | 307 | CLA | CMC-C2C-C1C | 2.13 | 128.36 | 125.03 |
| 30 | B | 836 | CLA | CHB-C4A-NA | 2.13 | 127.47 | 124.40 |
| 37 | 12 | 316 | A86 | C7-C6-C5 | -2.13 | 119.36 | 122.82 |
| 37 | 2u | 205 | A86 | O4-C38-O5 | -2.13 | 118.88 | 122.99 |
| 34 | 9 | 318 | LHG | C27-C26-C25 | -2.13 | 103.60 | 114.37 |
| 30 | B | 818 | CLA | CAA-C2A-C1A | -2.13 | 105.00 | 111.97 |
| 30 | B | 831 | CLA | CBC-CAC-C3C | -2.13 | 106.65 | 112.42 |
| 38 | 12 | 305 | KC1 | O2A-CGA-O1A | -2.13 | 118.36 | 122.70 |
| 39 | 10 | 314 | DD6 | C14-C13-C11 | 2.13 | 128.83 | 125.53 |
| 38 | 1 | 306 | KC1 | CHC-C4B-NB | -2.13 | 121.81 | 124.80 |
| 30 | B | 838 | CLA | CHA-C1A-NA | -2.13 | 121.57 | 126.39 |
| 30 | 7 | 305 | CLA | C4-C3-C5 | 2.13 | 118.92 | 115.23 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 9 | 311 | KC1 | CHB-C4A-NA | 2.13 | 127.53 | 124.23 |
| 30 | 15 | 308 | CLA | CMC-C2C-C1C | 2.13 | 128.36 | 125.03 |
| 34 | A | 852 | LHG | C11-C10-C9 | -2.13 | 103.62 | 114.37 |
| 30 | A | 804 | CLA | CMB-C2B-C3B | 2.13 | 128.93 | 124.68 |
| 30 | A | 804 | CLA | CHB-C4A-NA | 2.13 | 127.47 | 124.40 |
| 30 | 2 | 303 | CLA | CED-O2D-CGD | 2.13 | 120.74 | 115.92 |
| 30 | A | 814 | CLA | CHA-C1A-NA | -2.13 | 121.58 | 126.39 |
| 39 | 8 | 316 | DD6 | C4-C3-C2 | -2.12 | 119.17 | 123.52 |
| 30 | 4 | 309 | CLA | O2A-CGA-O1A | -2.12 | 118.31 | 123.63 |
| 30 | A | 807 | CLA | C4-C3-C5 | 2.12 | 118.92 | 115.23 |
| 30 | B | 813 | CLA | C7-C6-C5 | -2.12 | 107.60 | 113.26 |
| 30 | 10 | 303 | CLA | O2D-CGD-O1D | -2.12 | 119.71 | 123.85 |
| 30 | A | 841 | CLA | O2D-CGD-O1D | -2.12 | 119.72 | 123.85 |
| 30 | 2 | 310 | CLA | CHB-C4A-NA | 2.12 | 127.46 | 124.40 |
| 30 | B | 822 | CLA | C1-C2-C3 | -2.12 | 122.72 | 126.20 |
| 30 | 7 | 303 | CLA | CMB-C2B-C3B | 2.12 | 128.93 | 124.68 |
| 30 | A | 818 | CLA | C4-C3-C5 | 2.12 | 118.91 | 115.23 |
| 37 | 9 | 315 | A86 | C26-C25-C24 | 2.12 | 129.35 | 123.20 |
| 30 | 9 | 305 | CLA | CGD-CBD-CAD | -2.12 | 103.98 | 110.85 |
| 38 | 8 | 310 | KC1 | O1D-CGD-CBD | -2.12 | 120.33 | 124.52 |
| 30 | B | 832 | CLA | O2D-CGD-O1D | -2.12 | 119.72 | 123.85 |
| 30 | 10 | 311 | CLA | CHB-C4A-NA | 2.12 | 127.46 | 124.40 |
| 30 | 2 | 303 | CLA | C2A-C3A-C4A | -2.12 | 98.44 | 101.87 |
| 30 | 7 | 312 | CLA | CHA-C1A-NA | -2.12 | 121.59 | 126.39 |
| 33 | B | 842 | BCR | C27-C26-C25 | 2.12 | 125.57 | 122.70 |
| 38 | 6 | 313 | KC1 | CMC-C2C-C1C | 2.12 | 128.35 | 125.03 |
| 30 | 7 | 310 | CLA | CMB-C2B-C3B | 2.12 | 128.92 | 124.68 |
| 30 | A | 840 | CLA | CHB-C4A-NA | 2.12 | 127.46 | 124.40 |
| 30 | B | 830 | CLA | CMC-C2C-C1C | 2.12 | 128.34 | 125.03 |
| 30 | 3 | 305 | CLA | O2A-CGA-O1A | -2.12 | 118.33 | 123.63 |
| 38 | 10 | 310 | KC1 | CHB-C1B-C2B | -2.12 | 121.08 | 125.49 |
| 30 | 16 | 302 | CLA | CMB-C2B-C3B | 2.12 | 128.92 | 124.68 |
| 30 | 4 | 306 | CLA | O1D-CGD-CBD | -2.12 | 120.34 | 124.52 |
| 30 | 14 | 307 | CLA | CHA-C1A-NA | -2.12 | 121.60 | 126.39 |
| 38 | 4 | 310 | KC1 | CMC-C2C-C1C | 2.12 | 128.34 | 125.03 |
| 30 | 14 | 307 | CLA | CED-O2D-CGD | 2.12 | 120.72 | 115.92 |
| 30 | A | 832 | CLA | O1D-CGD-CBD | -2.12 | 120.34 | 124.52 |
| 30 | 11 | 306 | CLA | CGD-CBD-CAD | -2.12 | 103.99 | 110.85 |
| 39 | 8 | 316 | DD6 | C9-C8-C6 | -2.12 | 120.56 | 126.36 |
| 37 | 2 | 302 | A86 | C28-C27-C26 | -2.12 | 119.39 | 122.82 |
| 30 | 12 | 306 | CLA | CMB-C2B-C3B | 2.12 | 128.91 | 124.68 |
| 30 | 14 | 313 | CLA | CMB-C2B-C3B | 2.11 | 128.91 | 124.68 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 3 | 314 | A86 | C8-C6-C5 | 2.11 | 122.33 | 119.01 |
| 30 | B | 828 | CLA | CHD-C4C-NC | 2.11 | 127.51 | 124.23 |
| 33 | 2u | 201 | BCR | C21-C20-C19 | -2.11 | 117.08 | 123.20 |
| 30 | 9 | 306 | CLA | CGD-CBD-CAD | -2.11 | 104.01 | 110.85 |
| 38 | 6 | 311 | KC1 | CBC-CAC-C3C | -2.11 | 106.70 | 112.42 |
| 30 | 16 | 308 | CLA | CHA-C1A-NA | -2.11 | 121.61 | 126.39 |
| 30 | B | 835 | CLA | CMC-C2C-C1C | 2.11 | 128.33 | 125.03 |
| 30 | 15 | 307 | CLA | CMB-C2B-C3B | 2.11 | 128.90 | 124.68 |
| 37 | 5 | 315 | A86 | C22-C16-C17 | -2.11 | 105.26 | 108.97 |
| 30 | 7 | 307 | CLA | C4-C3-C5 | 2.11 | 118.89 | 115.23 |
| 30 | 9 | 309 | CLA | CHB-C4A-NA | 2.11 | 127.44 | 124.40 |
| 30 | 6 | 309 | CLA | C2A-C3A-C4A | -2.11 | 98.46 | 101.87 |
| 30 | B | 835 | CLA | CBC-CAC-C3C | -2.11 | 106.70 | 112.42 |
| 30 | 1 | 303 | CLA | CBC-CAC-C3C | -2.11 | 106.70 | 112.42 |
| 30 | B | 810 | CLA | O1D-CGD-CBD | -2.11 | 120.36 | 124.52 |
| 37 | 12 | 316 | A86 | C25-C24-C1 | -2.11 | 120.58 | 126.36 |
| 30 | B | 811 | CLA | C16-C15-C13 | -2.11 | 108.96 | 115.97 |
| 30 | B | 819 | CLA | CMA-C3A-C4A | -2.11 | 106.11 | 111.77 |
| 30 | 6 | 309 | CLA | O1D-CGD-CBD | -2.11 | 120.36 | 124.52 |
| 38 | 13 | 311 | KC1 | CAB-C3B-C4B | 2.11 | 129.85 | 124.82 |
| 36 | 8 | 319 | LMG | O2-C2-C1 | -2.11 | 105.06 | 110.08 |
| 30 | 1 | 304 | CLA | CBC-CAC-C3C | -2.11 | 106.71 | 112.42 |
| 30 | A | 820 | CLA | C1-O2A-CGA | 2.11 | 121.75 | 116.65 |
| 30 | 2 | 301 | CLA | O1D-CGD-CBD | -2.11 | 120.36 | 124.52 |
| 30 | B | 816 | CLA | CBA-CAA-C2A | 2.11 | 120.06 | 113.79 |
| 30 | 14 | 302 | CLA | C1-O2A-CGA | 2.11 | 121.75 | 116.65 |
| 30 | 4 | 302 | CLA | CMB-C2B-C3B | 2.11 | 128.89 | 124.68 |
| 39 | 7 | 318 | DD6 | C23-C16-C17 | -2.11 | 105.27 | 108.97 |
| 38 | 8 | 312 | KC1 | O2A-CGA-O1A | -2.10 | 118.41 | 122.70 |
| 30 | 6 | 314 | CLA | CMB-C2B-C3B | 2.10 | 128.89 | 124.68 |
| 30 | A | 843 | CLA | CMB-C2B-C1B | 2.10 | 131.54 | 128.46 |
| 30 | 8 | 303 | CLA | C4-C3-C5 | 2.10 | 118.88 | 115.23 |
| 38 | 6 | 312 | KC1 | CHB-C4A-NA | 2.10 | 127.49 | 124.23 |
| 38 | 6 | 312 | KC1 | O2D-CGD-O1D | -2.10 | 119.75 | 123.85 |
| 30 | 14 | 304 | CLA | CHB-C4A-NA | 2.10 | 127.43 | 124.40 |
| 37 | 7 | 319 | A86 | O-C13-C11 | -2.10 | 116.52 | 121.04 |
| 30 | B | 851 | CLA | CHB-C4A-NA | 2.10 | 127.43 | 124.40 |
| 30 | 6 | 317 | CLA | C1-C2-C3 | -2.10 | 122.75 | 126.20 |
| 30 | 12 | 321 | CLA | CED-O2D-CGD | 2.10 | 120.68 | 115.92 |
| 30 | 15 | 303 | CLA | CHA-C1A-NA | -2.10 | 121.64 | 126.39 |
| 37 | 4 | 312 | A86 | C23-C16-C17 | -2.10 | 105.28 | 108.97 |
| 37 | 11 | 316 | A86 | O4-C38-O5 | -2.10 | 118.94 | 122.99 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 37 | 7 | 319 | A86 | C3-C2-C1 | -2.10 | 124.33 | 127.28 |
| 30 | 16 | 303 | CLA | O2D-CGD-O1D | -2.10 | 119.76 | 123.85 |
| 30 | 9 | 307 | CLA | CHA-C1A-NA | -2.10 | 121.64 | 126.39 |
| 30 | 7 | 306 | CLA | CHA-C1A-NA | -2.10 | 121.64 | 126.39 |
| 30 | 15 | 313 | CLA | CGD-CBD-CAD | -2.10 | 104.05 | 110.85 |
| 30 | B | 810 | CLA | CMB-C2B-C3B | 2.10 | 128.88 | 124.68 |
| 30 | 15 | 310 | CLA | CMC-C2C-C1C | 2.10 | 128.31 | 125.03 |
| 30 | 7 | 311 | CLA | CBC-CAC-C3C | -2.10 | 106.74 | 112.42 |
| 30 | B | 824 | CLA | CAA-C2A-C1A | -2.10 | 105.10 | 111.97 |
| 37 | 16 | 312 | A86 | C41-C32-C31 | -2.10 | 108.60 | 110.47 |
| 30 | 6 | 317 | CLA | C4-C3-C5 | 2.10 | 118.87 | 115.23 |
| 38 | 12 | 305 | KC1 | CMC-C2C-C1C | 2.10 | 128.31 | 125.03 |
| 35 | B | 850 | LMT | C2'-C3'-C4' | 2.09 | 114.43 | 109.68 |
| 30 | A | 816 | CLA | O2A-CGA-CBA | 2.09 | 118.22 | 111.83 |
| 38 | 3 | 304 | KC1 | CMC-C2C-C1C | 2.09 | 128.31 | 125.03 |
| 30 | F | 202 | CLA | O2A-CGA-CBA | 2.09 | 118.22 | 111.83 |
| 30 | 12 | 303 | CLA | CHB-C4A-NA | 2.09 | 127.42 | 124.40 |
| 38 | 12 | 311 | KC1 | CMC-C2C-C1C | 2.09 | 128.30 | 125.03 |
| 30 | 11 | 309 | CLA | C4-C3-C5 | 2.09 | 118.86 | 115.23 |
| 31 | A | 845 | PQN | C17-C16-C15 | -2.09 | 107.69 | 113.26 |
| 37 | 11 | 315 | A86 | C9-C8-C6 | -2.09 | 120.63 | 126.36 |
| 30 | 13 | 302 | CLA | O2A-CGA-CBA | 2.09 | 118.21 | 111.83 |
| 30 | B | 805 | CLA | CHA-C1A-NA | -2.09 | 121.66 | 126.39 |
| 30 | B | 839 | CLA | CMB-C2B-C3B | 2.09 | 128.86 | 124.68 |
| 37 | 4 | 312 | A86 | C40-C32-C31 | -2.09 | 108.60 | 110.47 |
| 30 | B | 836 | CLA | CHA-C1A-NA | -2.09 | 121.66 | 126.39 |
| 30 | A | 844 | CLA | O2D-CGD-O1D | -2.09 | 119.78 | 123.85 |
| 35 | 6 | 302 | LMT | C1B-O1B-C4' | -2.09 | 113.03 | 117.98 |
| 37 | 2 | 302 | A86 | C36-C31-C32 | -2.09 | 117.62 | 119.70 |
| 30 | 11 | 306 | CLA | O2D-CGD-O1D | -2.09 | 119.78 | 123.85 |
| 30 | A | 809 | CLA | C1-O2A-CGA | 2.09 | 121.71 | 116.65 |
| 30 | 5 | 307 | CLA | CHB-C4A-NA | 2.09 | 127.41 | 124.40 |
| 38 | 2 | 314 | KC1 | CMB-C2B-C1B | 2.09 | 128.40 | 124.73 |
| 33 | B | 842 | BCR | C7-C8-C9 | -2.09 | 123.15 | 126.23 |
| 38 | 7 | 308 | KC1 | CHB-C4A-NA | 2.09 | 127.47 | 124.23 |
| 33 | B | 841 | BCR | C11-C10-C9 | -2.09 | 124.35 | 127.28 |
| 37 | 14 | 318 | A86 | C7-C6-C5 | -2.09 | 119.44 | 122.82 |
| 30 | B | 801 | CLA | O2A-CGA-O1A | -2.09 | 118.41 | 123.63 |
| 36 | F | 205 | LMG | C3-C4-C5 | -2.09 | 106.45 | 110.23 |
| 38 | 6 | 308 | KC1 | CBC-CAC-C3C | -2.09 | 106.76 | 112.42 |
| 38 | 6 | 312 | KC1 | CAA-C2A-C1A | -2.09 | 115.50 | 124.64 |
| 30 | 11 | 310 | CLA | O2D-CGD-O1D | -2.08 | 119.79 | 123.85 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 6 | 304 | CLA | CMB-C2B-C3B | 2.08 | 128.85 | 124.68 |
| 37 | 14 | 319 | A86 | C7-C6-C5 | -2.08 | 119.44 | 122.82 |
| 30 | B | 833 | CLA | CBC-CAC-C3C | -2.08 | 106.77 | 112.42 |
| 30 | 1 | 304 | CLA | CMB-C2B-C3B | 2.08 | 128.85 | 124.68 |
| 30 | B | 805 | CLA | C11-C10-C8 | -2.08 | 109.04 | 115.97 |
| 30 | A | 809 | CLA | C1-C2-C3 | -2.08 | 122.78 | 126.20 |
| 37 | 4 | 314 | A86 | C9-C10-C11 | -2.08 | 120.75 | 126.64 |
| 38 | 8 | 307 | KC1 | CMC-C2C-C1C | 2.08 | 128.29 | 125.03 |
| 37 | 5 | 315 | A86 | C36-C31-C32 | -2.08 | 117.63 | 119.70 |
| 37 | 15 | 320 | A86 | C9-C8-C6 | 2.08 | 132.07 | 126.36 |
| 37 | 1 | 309 | A86 | C7-C6-C5 | -2.08 | 119.44 | 122.82 |
| 30 | 4 | 303 | CLA | CMB-C2B-C3B | 2.08 | 128.84 | 124.68 |
| 38 | 10 | 310 | KC1 | CMB-C2B-C1B | 2.08 | 128.39 | 124.73 |
| 38 | 11 | 312 | KC1 | CMC-C2C-C1C | 2.08 | 128.29 | 125.03 |
| 30 | A | 826 | CLA | C4-C3-C5 | 2.08 | 118.84 | 115.23 |
| 37 | 11 | 301 | A86 | C22-C16-C17 | -2.08 | 105.31 | 108.97 |
| 37 | 14 | 315 | A86 | C22-C16-C17 | -2.08 | 105.31 | 108.97 |
| 37 | 10 | 302 | A86 | C28-C27-C26 | -2.08 | 119.45 | 122.82 |
| 39 | 4 | 313 | DD6 | C4-C3-C2 | -2.08 | 119.26 | 123.52 |
| 30 | 8 | 305 | CLA | CHB-C4A-NA | 2.08 | 127.40 | 124.40 |
| 30 | A | 838 | CLA | O1D-CGD-CBD | -2.08 | 120.42 | 124.52 |
| 30 | B | 837 | CLA | O2A-CGA-O1A | -2.08 | 118.43 | 123.63 |
| 30 | 3 | 305 | CLA | CBA-CAA-C2A | 2.08 | 119.97 | 113.79 |
| 30 | 9 | 309 | CLA | O2A-CGA-O1A | -2.08 | 118.43 | 123.63 |
| 39 | 9 | 314 | DD6 | C19-C18-C17 | 2.08 | 114.67 | 110.79 |
| 30 | 10 | 311 | CLA | CBC-CAC-C3C | -2.08 | 106.79 | 112.42 |
| 30 | B | 819 | CLA | C4-C3-C5 | 2.08 | 118.83 | 115.23 |
| 30 | B | 830 | CLA | CMB-C2B-C3B | 2.08 | 128.83 | 124.68 |
| 30 | 3 | 302 | CLA | CHA-C1A-NA | -2.07 | 121.69 | 126.39 |
| 33 | B | 845 | BCR | C24-C23-C22 | -2.07 | 123.17 | 126.23 |
| 39 | 2 | 315 | DD6 | C9-C8-C6 | 2.07 | 132.05 | 126.36 |
| 30 | 9 | 308 | CLA | CHB-C4A-NA | 2.07 | 127.39 | 124.40 |
| 30 | 10 | 305 | CLA | C1-C2-C3 | -2.07 | 122.80 | 126.20 |
| 30 | A | 842 | CLA | O1D-CGD-CBD | -2.07 | 120.43 | 124.52 |
| 30 | 16 | 306 | CLA | C4-C3-C5 | 2.07 | 118.83 | 115.23 |
| 30 | 10 | 304 | CLA | C4-C3-C5 | 2.07 | 118.83 | 115.23 |
| 37 | 9 | 316 | A86 | C40-C32-C31 | -2.07 | 108.62 | 110.47 |
| 38 | 6 | 311 | KC1 | CMC-C2C-C1C | 2.07 | 128.27 | 125.03 |
| 30 | 15 | 303 | CLA | CHB-C4A-NA | 2.07 | 127.39 | 124.40 |
| 30 | 8 | 309 | CLA | CBC-CAC-C3C | -2.07 | 106.80 | 112.42 |
| 30 | 11 | 304 | CLA | O1D-CGD-CBD | -2.07 | 120.43 | 124.52 |
| 30 | 7 | 303 | CLA | CBC-CAC-C3C | -2.07 | 106.80 | 112.42 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 2 | 314 | KC1 | CBC-CAC-C3C | -2.07 | 106.80 | 112.42 |
| 30 | B | 819 | CLA | O2D-CGD-O1D | -2.07 | 119.82 | 123.85 |
| 30 | A | 817 | CLA | CHB-C4A-NA | 2.07 | 127.39 | 124.40 |
| 37 | 14 | 316 | A86 | C34-O4-C38 | -2.07 | 114.19 | 117.85 |
| 30 | A | 825 | CLA | C4-C3-C5 | 2.07 | 118.82 | 115.23 |
| 30 | 10 | 307 | CLA | CMB-C2B-C3B | 2.07 | 128.82 | 124.68 |
| 38 | 9 | 312 | KC1 | CED-O2D-CGD | 2.07 | 120.61 | 115.92 |
| 30 | 8 | 304 | CLA | C2A-C3A-C4A | -2.07 | 98.53 | 101.87 |
| 30 | A | 803 | CLA | CGD-CBD-CAD | 2.07 | 117.55 | 110.85 |
| 30 | A | 806 | CLA | CHC-C1C-NC | 2.07 | 127.43 | 124.31 |
| 30 | 16 | 303 | CLA | CBC-CAC-C3C | -2.07 | 106.81 | 112.42 |
| 30 | 14 | 310 | CLA | C5-C3-C4 | 2.07 | 119.35 | 114.59 |
| 30 | F | 201 | CLA | O2D-CGD-O1D | -2.07 | 119.82 | 123.85 |
| 39 | 6 | 303 | DD6 | C37-C36-C35 | -2.07 | 110.62 | 114.42 |
| 30 | A | 839 | CLA | CHB-C4A-NA | 2.07 | 127.39 | 124.40 |
| 37 | 4 | 312 | A86 | C3-C4-C5 | -2.07 | 119.29 | 123.52 |
| 30 | B | 813 | CLA | O1D-CGD-CBD | -2.07 | 120.44 | 124.52 |
| 38 | 6 | 311 | KC1 | O1D-CGD-CBD | -2.07 | 120.44 | 124.52 |
| 36 | 8 | 321 | LMG | O1-C7-C8 | -2.07 | 105.79 | 110.82 |
| 30 | 1 | 305 | CLA | CBC-CAC-C3C | -2.07 | 106.82 | 112.42 |
| 30 | A | 839 | CLA | CMC-C2C-C1C | 2.07 | 128.26 | 125.03 |
| 38 | 7 | 308 | KC1 | O2D-CGD-O1D | -2.07 | 119.83 | 123.85 |
| 37 | 7 | 315 | A86 | O-C13-C11 | -2.07 | 116.59 | 121.04 |
| 33 | M | 101 | BCR | C30-C25-C26 | -2.07 | 119.81 | 122.64 |
| 30 | 2 | 307 | CLA | C4-C3-C5 | 2.07 | 118.81 | 115.23 |
| 30 | 6 | 306 | CLA | CBC-CAC-C3C | -2.07 | 106.82 | 112.42 |
| 33 | A | 847 | BCR | C33-C5-C6 | -2.07 | 122.23 | 124.48 |
| 30 | 15 | 310 | CLA | O1D-CGD-CBD | -2.07 | 120.44 | 124.52 |
| 30 | 1 | 303 | CLA | CAC-C3C-C4C | 2.07 | 127.48 | 124.79 |
| 37 | 13 | 313 | A86 | C-C1-C24 | 2.07 | 121.24 | 118.09 |
| 30 | A | 810 | CLA | CMC-C2C-C1C | 2.07 | 128.26 | 125.03 |
| 33 | M | 101 | BCR | C33-C5-C6 | -2.06 | 122.23 | 124.48 |
| 30 | B | 830 | CLA | CHD-C4C-NC | 2.06 | 127.43 | 124.23 |
| 30 | 1 | 304 | CLA | O2D-CGD-O1D | -2.06 | 119.83 | 123.85 |
| 39 | 13 | 314 | DD6 | C33-C32-C31 | 2.06 | 113.56 | 109.49 |
| 30 | 11 | 306 | CLA | CHA-C1A-NA | -2.06 | 121.72 | 126.39 |
| 36 | 8 | 321 | LMG | O7-C10-O9 | -2.06 | 118.88 | 123.70 |
| 30 | 9 | 307 | CLA | O2D-CGD-O1D | -2.06 | 119.83 | 123.85 |
| 30 | L | 202 | CLA | C4-C3-C5 | 2.06 | 118.81 | 115.23 |
| 30 | 14 | 313 | CLA | CGD-CBD-CAD | -2.06 | 104.17 | 110.85 |
| 36 | 6 | 301 | LMG | O2-C2-C1 | -2.06 | 105.16 | 110.08 |
| 30 | 6 | 305 | CLA | CMA-C3A-C4A | -2.06 | 106.23 | 111.77 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 10 | 310 | KC1 | CHB-C4A-NA | 2.06 | 127.43 | 124.23 |
| 37 | 11 | 315 | A86 | C7-C6-C8 | 2.06 | 121.24 | 118.09 |
| 30 | 12 | 308 | CLA | CED-O2D-CGD | 2.06 | 120.59 | 115.92 |
| 37 | 14 | 317 | A86 | C12-C11-C10 | -2.06 | 118.66 | 123.67 |
| 30 | A | 813 | CLA | C6-C7-C8 | -2.06 | 109.12 | 115.97 |
| 39 | 8 | 316 | DD6 | C22-C16-C15 | 2.06 | 115.61 | 110.05 |
| 30 | A | 802 | CLA | O2A-CGA-O1A | -2.06 | 118.48 | 123.63 |
| 38 | 8 | 311 | KC1 | CED-O2D-CGD | 2.06 | 120.59 | 115.92 |
| 30 | 9 | 305 | CLA | CAA-C2A-C1A | 2.06 | 118.72 | 111.97 |
| 30 | 12 | 302 | CLA | C11-C12-C13 | -2.06 | 109.12 | 115.97 |
| 38 | 8 | 313 | KC1 | CHB-C4A-NA | 2.06 | 127.42 | 124.23 |
| 30 | 6 | 317 | CLA | CHA-C1A-NA | -2.06 | 121.73 | 126.39 |
| 33 | L | 205 | BCR | C33-C5-C6 | -2.06 | 122.24 | 124.48 |
| 33 | A | 851 | BCR | C8-C7-C6 | -2.06 | 121.50 | 127.00 |
| 39 | 2 | 316 | DD6 | C34-C35-C36 | -2.06 | 107.06 | 112.18 |
| 30 | 6 | 307 | CLA | CBA-CAA-C2A | -2.06 | 107.67 | 113.79 |
| 39 | 11 | 313 | DD6 | C23-C16-C17 | -2.06 | 105.35 | 108.97 |
| 30 | 1 | 301 | CLA | CMB-C2B-C3B | 2.06 | 128.79 | 124.68 |
| 30 | 5 | 307 | CLA | C2A-C3A-C4A | -2.06 | 98.55 | 101.87 |
| 30 | B | 830 | CLA | O1D-CGD-CBD | -2.06 | 120.46 | 124.52 |
| 37 | 15 | 320 | A86 | C7-C6-C5 | -2.06 | 119.49 | 122.82 |
| 30 | A | 827 | CLA | CHB-C4A-NA | 2.06 | 127.37 | 124.40 |
| 30 | A | 828 | CLA | C6-C5-C3 | -2.06 | 108.46 | 113.47 |
| 37 | 10 | 302 | A86 | C-C1-C24 | 2.05 | 121.23 | 118.09 |
| 30 | 10 | 304 | CLA | CMC-C2C-C1C | 2.05 | 128.25 | 125.03 |
| 30 | 16 | 302 | CLA | O2A-CGA-CBA | 2.05 | 118.10 | 111.83 |
| 30 | 11 | 310 | CLA | CBC-CAC-C3C | -2.05 | 106.85 | 112.42 |
| 37 | 9 | 313 | A86 | C19-C18-C17 | -2.05 | 106.95 | 110.79 |
| 35 | 9 | 317 | LMT | C1'-O5'-C5' | 2.05 | 117.73 | 113.72 |
| 30 | A | 833 | CLA | CMC-C2C-C1C | 2.05 | 128.24 | 125.03 |
| 30 | A | 829 | CLA | O1D-CGD-CBD | -2.05 | 120.47 | 124.52 |
| 30 | 2 | 303 | CLA | CMA-C3A-C4A | -2.05 | 106.25 | 111.77 |
| 30 | 3 | 307 | CLA | O2D-CGD-O1D | -2.05 | 119.85 | 123.85 |
| 30 | 2 | 304 | CLA | CHA-C1A-NA | -2.05 | 121.74 | 126.39 |
| 30 | A | 821 | CLA | O2A-CGA-O1A | -2.05 | 118.49 | 123.63 |
| 30 | 3 | 303 | CLA | CMC-C2C-C1C | 2.05 | 128.24 | 125.03 |
| 39 | 4 | 313 | DD6 | C23-C16-C17 | -2.05 | 105.36 | 108.97 |
| 30 | B | 839 | CLA | O2A-CGA-O1A | -2.05 | 118.50 | 123.63 |
| 30 | 3 | 301 | CLA | C1-C2-C3 | -2.05 | 122.84 | 126.20 |
| 39 | 12 | 315 | DD6 | C3-C4-C5 | -2.05 | 119.32 | 123.52 |
| 39 | 7 | 317 | DD6 | C25-C24-C1 | -2.05 | 120.74 | 126.36 |
| 30 | 16 | 306 | CLA | CAA-C2A-C1A | 2.05 | 118.69 | 111.97 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 14 | 305 | CLA | CMC-C2C-C1C | 2.05 | 128.24 | 125.03 |
| 35 | B | 850 | LMT | O3'-C3'-C2' | -2.05 | 105.54 | 110.38 |
| 30 | A | 836 | CLA | CMB-C2B-C3B | 2.05 | 128.78 | 124.68 |
| 36 | B | 849 | LMG | O3-C3-C2 | -2.05 | 105.55 | 110.38 |
| 30 | 5 | 307 | CLA | O2D-CGD-O1D | -2.05 | 119.86 | 123.85 |
| 30 | A | 814 | CLA | O1D-CGD-CBD | -2.05 | 120.48 | 124.52 |
| 30 | 3 | 306 | CLA | O1D-CGD-CBD | -2.05 | 120.48 | 124.52 |
| 37 | 2 | 319 | A86 | C29-C30-C31 | -2.05 | 175.24 | 177.66 |
| 30 | 4 | 311 | CLA | CHA-C1A-NA | -2.05 | 121.75 | 126.39 |
| 37 | 8 | 318 | A86 | C34-O4-C38 | -2.05 | 114.23 | 117.85 |
| 38 | 13 | 312 | KC1 | O1D-CGD-CBD | -2.05 | 120.48 | 124.52 |
| 30 | 3 | 307 | CLA | CAC-C3C-C4C | 2.05 | 127.45 | 124.79 |
| 30 | A | 821 | CLA | CBC-CAC-C3C | -2.05 | 106.87 | 112.42 |
| 30 | A | 813 | CLA | C1-O2A-CGA | 2.05 | 121.61 | 116.65 |
| 30 | F | 203 | CLA | O2A-CGA-CBA | 2.05 | 120.47 | 114.00 |
| 37 | 14 | 318 | A86 | C-C1-C24 | 2.05 | 121.22 | 118.09 |
| 38 | 13 | 306 | KC1 | O2A-CGA-O1A | -2.05 | 118.53 | 122.70 |
| 36 | 2u | 204 | LMG | C6-C5-C4 | -2.05 | 107.99 | 113.02 |
| 30 | B | 824 | CLA | CMA-C3A-C2A | -2.05 | 106.07 | 113.98 |
| 30 | A | 842 | CLA | O2A-CGA-O1A | -2.05 | 118.51 | 123.63 |
| 30 | 5 | 304 | CLA | C2A-C3A-C4A | -2.05 | 98.56 | 101.87 |
| 30 | A | 812 | CLA | O2A-CGA-CBA | 2.05 | 118.07 | 111.83 |
| 37 | 9 | 316 | A86 | C3-C2-C1 | -2.05 | 124.41 | 127.28 |
| 38 | 8 | 306 | KC1 | CHB-C1B-NB | -2.05 | 121.92 | 124.80 |
| 30 | A | 831 | CLA | CMA-C3A-C4A | -2.04 | 106.28 | 111.77 |
| 30 | 14 | 312 | CLA | CED-O2D-CGD | 2.04 | 120.55 | 115.92 |
| 38 | 9 | 310 | KC1 | O2A-CGA-O1A | -2.04 | 118.54 | 122.70 |
| 37 | 11 | 301 | A86 | C8-C6-C5 | -2.04 | 115.80 | 119.01 |
| 38 | 10 | 312 | KC1 | CHB-C4A-NA | 2.04 | 127.40 | 124.23 |
| 38 | 2 | 312 | KC1 | CED-O2D-CGD | 2.04 | 120.55 | 115.92 |
| 30 | B | 824 | CLA | O1D-CGD-CBD | -2.04 | 120.49 | 124.52 |
| 35 | B | 852 | LMT | C1'-C2'-C3' | 2.04 | 114.31 | 110.01 |
| 38 | 12 | 305 | KC1 | CBC-CAC-C3C | -2.04 | 106.88 | 112.42 |
| 30 | 3 | 310 | CLA | CED-O2D-CGD | 2.04 | 120.55 | 115.92 |
| 30 | 13 | 307 | CLA | O1D-CGD-CBD | -2.04 | 120.49 | 124.52 |
| 30 | B | 834 | CLA | CAA-C2A-C3A | -2.04 | 107.48 | 113.00 |
| 37 | 4 | 314 | A86 | C41-C32-C31 | -2.04 | 108.64 | 110.47 |
| 33 | I | 101 | BCR | C30-C25-C26 | -2.04 | 119.85 | 122.64 |
| 39 | 2 | 317 | DD6 | C25-C24-C1 | -2.04 | 120.77 | 126.36 |
| 38 | 11 | 312 | KC1 | O1D-CGD-CBD | -2.04 | 120.49 | 124.52 |
| 30 | A | 810 | CLA | CHA-C1A-NA | -2.04 | 121.77 | 126.39 |
| 30 | 8 | 308 | CLA | CHA-C1A-NA | -2.04 | 121.77 | 126.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 38 | 13 | 305 | KC1 | O1D-CGD-CBD | -2.04 | 120.49 | 124.52 |
| 30 | A | 828 | CLA | CAC-C3C-C4C | 2.04 | 127.44 | 124.79 |
| 38 | 3 | 304 | KC1 | CBC-CAC-C3C | -2.04 | 106.89 | 112.42 |
| 30 | B | 827 | CLA | CBA-CAA-C2A | 2.04 | 119.86 | 113.79 |
| 30 | A | 805 | CLA | CHA-C1A-NA | -2.04 | 121.78 | 126.39 |
| 30 | 7 | 312 | CLA | O2A-CGA-CBA | 2.04 | 119.83 | 112.14 |
| 30 | 6 | 314 | CLA | CHA-C1A-NA | -2.04 | 121.78 | 126.39 |
| 30 | B | 838 | CLA | CMB-C2B-C3B | 2.04 | 128.75 | 124.68 |
| 30 | 4 | 304 | CLA | CMD-C2D-C3D | -2.04 | 123.02 | 127.69 |
| 30 | 10 | 309 | CLA | C1-C2-C3 | -2.03 | 122.86 | 126.20 |
| 30 | F | 203 | CLA | CAC-C3C-C4C | 2.03 | 127.44 | 124.79 |
| 30 | 16 | 301 | CLA | O2D-CGD-O1D | -2.03 | 119.89 | 123.85 |
| 37 | 9 | 316 | A86 | C12-C11-C13 | 2.03 | 119.30 | 116.00 |
| 38 | 8 | 312 | KC1 | CHB-C4A-NA | 2.03 | 127.39 | 124.23 |
| 30 | A | 836 | CLA | C1-C2-C3 | -2.03 | 122.86 | 126.20 |
| 30 | 14 | 310 | CLA | CAA-C2A-C3A | -2.03 | 107.51 | 113.00 |
| 30 | 6 | 317 | CLA | C1-O2A-CGA | 2.03 | 121.57 | 116.65 |
| 30 | A | 809 | CLA | O2A-CGA-O1A | -2.03 | 118.55 | 123.63 |
| 33 | L | 204 | BCR | C4-C5-C6 | 2.03 | 125.45 | 122.70 |
| 30 | B | 826 | CLA | O2D-CGD-O1D | -2.03 | 119.89 | 123.85 |
| 38 | 2 | 314 | KC1 | CGD-CBD-CAD | -2.03 | 104.27 | 110.85 |
| 30 | 10 | 305 | CLA | CAA-C2A-C1A | 2.03 | 118.63 | 111.97 |
| 30 | A | 812 | CLA | CBC-CAC-C3C | -2.03 | 106.92 | 112.42 |
| 39 | 6 | 319 | DD6 | C34-C35-C36 | -2.03 | 107.12 | 112.18 |
| 37 | 15 | 315 | A86 | C19-C18-C17 | -2.03 | 106.99 | 110.79 |
| 35 | 12 | 319 | LMT | O1'-C1'-C2' | 2.03 | 111.36 | 108.27 |
| 30 | B | 823 | CLA | O2A-CGA-O1A | -2.03 | 118.55 | 123.63 |
| 30 | B | 805 | CLA | CMC-C2C-C1C | 2.03 | 128.21 | 125.03 |
| 37 | 10 | 301 | A86 | C9-C8-C6 | -2.03 | 120.80 | 126.36 |
| 37 | 4 | 315 | A86 | C25-C24-C1 | -2.03 | 120.80 | 126.36 |
| 30 | 14 | 310 | CLA | CMD-C2D-C3D | -2.03 | 123.04 | 127.69 |
| 30 | B | 827 | CLA | CHB-C4A-NA | 2.03 | 127.33 | 124.40 |
| 30 | 4 | 303 | CLA | CHA-C1A-NA | -2.03 | 121.80 | 126.39 |
| 33 | B | 842 | BCR | C15-C16-C17 | -2.03 | 119.37 | 123.52 |
| 30 | 14 | 312 | CLA | O2A-CGA-CBA | 2.03 | 120.41 | 114.00 |
| 30 | B | 823 | CLA | CBC-CAC-C3C | -2.03 | 106.92 | 112.42 |
| 35 | A | 854 | LMT | C4B-C3B-C2B | 2.03 | 114.39 | 110.83 |
| 36 | B | 849 | LMG | O7-C10-O9 | -2.03 | 118.96 | 123.70 |
| 37 | 4 | 314 | A86 | C3-C4-C5 | -2.03 | 119.37 | 123.52 |
| 30 | 7 | 304 | CLA | C6-C7-C8 | -2.03 | 109.23 | 115.97 |
| 38 | 10 | 310 | KC1 | O1D-CGD-CBD | -2.03 | 120.52 | 124.52 |
| 37 | 8 | 318 | A86 | C40-C32-C31 | -2.03 | 108.66 | 110.47 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | 10 | 308 | CLA | O2A-CGA-O1A | -2.03 | 118.56 | 123.63 |
| 35 | A | 855 | LMT | C1'-C2'-C3' | 2.03 | 114.27 | 110.01 |
| 30 | 10 | 304 | CLA | CHB-C4A-NA | 2.03 | 127.32 | 124.40 |
| 38 | 7 | 313 | KC1 | O2A-CGA-O1A | -2.03 | 118.57 | 122.70 |
| 30 | L | 203 | CLA | CMC-C2C-C1C | 2.03 | 128.20 | 125.03 |
| 38 | 8 | 306 | KC1 | CAA-C2A-C1A | -2.03 | 115.77 | 124.64 |
| 30 | 15 | 303 | CLA | CMB-C2B-C3B | 2.03 | 128.73 | 124.68 |
| 30 | B | 815 | CLA | CHA-C1A-NA | -2.03 | 121.81 | 126.39 |
| 33 | B | 846 | BCR | C21-C20-C19 | -2.03 | 117.33 | 123.20 |
| 38 | 14 | 308 | KC1 | CHD-C4C-NC | 2.03 | 127.36 | 124.31 |
| 30 | 7 | 304 | CLA | CHB-C4A-NA | 2.02 | 127.32 | 124.40 |
| 37 | 14 | 301 | A86 | C3-C4-C5 | -2.02 | 119.38 | 123.52 |
| 30 | 1 | 302 | CLA | CMB-C2B-C3B | 2.02 | 128.73 | 124.68 |
| 30 | 13 | 304 | CLA | CED-O2D-CGD | 2.02 | 120.51 | 115.92 |
| 30 | 16 | 310 | CLA | CMB-C2B-C3B | 2.02 | 128.73 | 124.68 |
| 38 | 3 | 308 | KC1 | CHB-C1B-NB | -2.02 | 121.95 | 124.80 |
| 30 | 10 | 303 | CLA | CMC-C2C-C1C | 2.02 | 128.20 | 125.03 |
| 30 | A | 824 | CLA | CBC-CAC-C3C | -2.02 | 106.93 | 112.42 |
| 37 | 14 | 314 | A86 | C3-C2-C1 | -2.02 | 124.44 | 127.28 |
| 30 | 8 | 303 | CLA | CMC-C2C-C1C | 2.02 | 128.20 | 125.03 |
| 30 | 16 | 308 | CLA | O1D-CGD-CBD | -2.02 | 120.53 | 124.52 |
| 30 | A | 814 | CLA | O2A-CGA-CBA | 2.02 | 118.00 | 111.83 |
| 30 | A | 826 | CLA | C1-O2A-CGA | 2.02 | 121.55 | 116.65 |
| 39 | 7 | 318 | DD6 | C25-C24-C1 | -2.02 | 120.82 | 126.36 |
| 30 | 15 | 305 | CLA | CHA-C1A-NA | -2.02 | 121.81 | 126.39 |
| 30 | 1 | 304 | CLA | CED-O2D-CGD | 2.02 | 120.50 | 115.92 |
| 37 | 15 | 321 | A86 | C3-C4-C5 | -2.02 | 119.38 | 123.52 |
| 30 | 7 | 304 | CLA | CMC-C2C-C1C | 2.02 | 128.19 | 125.03 |
| 38 | 11 | 311 | KC1 | O1D-CGD-CBD | -2.02 | 120.53 | 124.52 |
| 30 | A | 834 | CLA | CHA-C1A-NA | -2.02 | 121.81 | 126.39 |
| 39 | 4 | 316 | DD6 | C33-C32-C31 | 2.02 | 113.47 | 109.49 |
| 39 | 11 | 313 | DD6 | C22-C16-C17 | 2.02 | 112.52 | 108.97 |
| 37 | 11 | 315 | A86 | O4-C38-O5 | -2.02 | 119.09 | 122.99 |
| 30 | 1 | 305 | CLA | CHA-C1A-NA | -2.02 | 121.81 | 126.39 |
| 36 | 7 | 320 | LMG | O2-C2-C1 | -2.02 | 105.26 | 110.08 |
| 30 | A | 835 | CLA | C1B-CHB-C4A | -2.02 | 126.19 | 130.04 |
| 37 | 10 | 315 | A86 | C9-C8-C6 | -2.02 | 120.83 | 126.36 |
| 39 | 9 | 314 | DD6 | C33-C32-C31 | 2.02 | 113.47 | 109.49 |
| 30 | A | 827 | CLA | CAA-C2A-C1A | -2.02 | 105.36 | 111.97 |
| 30 | 10 | 304 | CLA | CMB-C2B-C3B | 2.02 | 128.72 | 124.68 |
| 30 | 9 | 306 | CLA | CAA-C2A-C1A | 2.02 | 118.59 | 111.97 |
| 30 | 6 | 314 | CLA | C1B-CHB-C4A | -2.02 | 126.19 | 130.04 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 814 | CLA | C1C-C2C-C3C | -2.02 | 104.86 | 106.98 |
| 33 | A | 851 | BCR | C2-C1-C6 | 2.02 | 113.37 | 110.44 |
| 30 | 15 | 302 | CLA | O1D-CGD-CBD | -2.02 | 120.54 | 124.52 |
| 30 | 12 | 307 | CLA | O2A-CGA-CBA | 2.02 | 119.76 | 112.14 |
| 36 | 2u | 204 | LMG | O8-C28-O10 | -2.02 | 118.58 | 123.63 |
| 30 | 12 | 306 | CLA | C4-C3-C5 | 2.02 | 118.73 | 115.23 |
| 30 | 14 | 313 | CLA | O2A-CGA-CBA | 2.02 | 119.76 | 112.14 |
| 35 | 11 | 302 | LMT | C1-O1'-C1' | -2.02 | 110.23 | 113.68 |
| 31 | B | 840 | PQN | C11-C3-C4 | 2.02 | 120.70 | 118.58 |
| 30 | 1 | 301 | CLA | CHA-C1A-NA | -2.02 | 121.82 | 126.39 |
| 30 | 6 | 315 | CLA | O2A-CGA-CBA | 2.02 | 120.37 | 114.00 |
| 38 | 11 | 307 | KC1 | CHB-C1B-NB | -2.02 | 121.96 | 124.80 |
| 30 | A | 838 | CLA | CAC-C3C-C4C | 2.02 | 127.41 | 124.79 |
| 30 | B | 832 | CLA | C1-O2A-CGA | 2.02 | 121.53 | 116.65 |
| 30 | 6 | 307 | CLA | CMA-C3A-C2A | -2.02 | 106.19 | 113.98 |
| 30 | 4 | 305 | CLA | CMA-C3A-C4A | -2.02 | 106.35 | 111.77 |
| 30 | 15 | 306 | CLA | O2A-CGA-CBA | 2.02 | 120.37 | 114.00 |
| 35 | A | 857 | LMT | C1B-O1B-C4' | -2.02 | 113.20 | 117.98 |
| 30 | B | 832 | CLA | CHA-C1A-NA | -2.02 | 121.83 | 126.39 |
| 30 | 9 | 305 | CLA | OBD-CAD-C3D | -2.01 | 123.71 | 128.42 |
| 30 | 2 | 303 | CLA | CAA-C2A-C3A | -2.01 | 107.56 | 113.00 |
| 39 | 1 | 310 | DD6 | O1-C20-C21 | -2.01 | 112.80 | 115.05 |
| 30 | 5 | 302 | CLA | CHA-C1A-NA | -2.01 | 121.83 | 126.39 |
| 38 | 4 | 308 | KC1 | CHB-C1B-NB | -2.01 | 121.97 | 124.80 |
| 30 | 12 | 302 | CLA | CBA-CAA-C2A | 2.01 | 119.78 | 113.79 |
| 30 | 6 | 309 | CLA | CHB-C4A-NA | 2.01 | 127.30 | 124.40 |
| 37 | 3 | 315 | A86 | C40-C32-C31 | -2.01 | 108.67 | 110.47 |
| 30 | 6 | 309 | CLA | O2A-C1-C2 | 2.01 | 115.85 | 108.11 |
| 37 | 4 | 314 | A86 | C19-C18-C17 | 2.01 | 114.55 | 110.79 |
| 30 | 3 | 303 | CLA | CAA-C2A-C1A | 2.01 | 118.57 | 111.97 |
| 30 | B | 827 | CLA | CAA-C2A-C3A | -2.01 | 107.56 | 113.00 |
| 39 | 11 | 313 | DD6 | C4-C3-C2 | -2.01 | 119.41 | 123.52 |
| 30 | B | 828 | CLA | O2A-CGA-CBA | 2.01 | 117.96 | 111.83 |
| 30 | 2 | 305 | CLA | O2A-CGA-CBA | 2.01 | 117.96 | 111.83 |
| 30 | 9 | 309 | CLA | CHA-C1A-NA | -2.01 | 121.84 | 126.39 |
| 30 | 9 | 306 | CLA | CMC-C2C-C1C | 2.01 | 128.17 | 125.03 |
| 38 | 2 | 314 | KC1 | CMC-C2C-C1C | 2.01 | 128.17 | 125.03 |
| 37 | 5 | 301 | A86 | C23-C16-C22 | -2.01 | 104.45 | 107.37 |
| 30 | A | 830 | CLA | CBC-CAC-C3C | -2.01 | 106.97 | 112.42 |
| 30 | 7 | 307 | CLA | CBC-CAC-C3C | -2.01 | 106.97 | 112.42 |
| 33 | L | 201 | BCR | C10-C11-C12 | -2.01 | 117.38 | 123.20 |
| 30 | 6 | 305 | CLA | CHA-C1A-NA | -2.01 | 121.84 | 126.39 |

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| Mol | Chain | Res | Type | Atoms | Z | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 30 | A | 843 | CLA | CAA-C2A-C3A | -2.01 | 107.57 | 113.00 |
| 35 | A | 855 | LMT | O3'-C3'-C2' | -2.01 | 105.64 | 110.38 |
| 30 | A | 812 | CLA | C1-O2A-CGA | 2.01 | 121.51 | 116.65 |
| 38 | 10 | 306 | KC1 | CAA-C2A-C1A | -2.01 | 115.85 | 124.64 |
| 30 | B | 809 | CLA | CHA-C1A-NA | -2.01 | 121.85 | 126.39 |
| 37 | 2 | 319 | A86 | C7-C6-C8 | 2.01 | 121.15 | 118.09 |
| 37 | 10 | 315 | A86 | C8-C6-C5 | -2.01 | 115.86 | 119.01 |
| 30 | 7 | 305 | CLA | CMC-C2C-C1C | 2.00 | 128.17 | 125.03 |
| 39 | 3 | 313 | DD6 | C33-C32-C31 | 2.00 | 113.44 | 109.49 |
| 30 | A | 808 | CLA | CBC-CAC-C3C | -2.00 | 106.99 | 112.42 |
| 37 | 2 | 318 | A86 | C23-C16-C17 | -2.00 | 105.45 | 108.97 |
| 30 | A | 821 | CLA | CMC-C2C-C1C | 2.00 | 128.16 | 125.03 |
| 30 | 3 | 307 | CLA | CHD-C4C-NC | 2.00 | 127.34 | 124.23 |
| 30 | B | 831 | CLA | CAC-C3C-C4C | 2.00 | 127.40 | 124.79 |
| 30 | 9 | 301 | CLA | C4-C3-C5 | 2.00 | 118.70 | 115.23 |
| 30 | 7 | 307 | CLA | O2D-CGD-O1D | -2.00 | 119.95 | 123.85 |
| 38 | 3 | 308 | KC1 | CBC-CAC-C3C | -2.00 | 106.99 | 112.42 |
| 38 | 14 | 306 | KC1 | CHB-C4A-NA | 2.00 | 127.34 | 124.23 |
| 33 | B | 846 | BCR | C8-C9-C10 | -2.00 | 115.86 | 119.01 |
| 30 | 4 | 311 | CLA | CED-O2D-CGD | 2.00 | 120.46 | 115.92 |
| 30 | 15 | 303 | CLA | O2A-CGA-O1A | -2.00 | 118.62 | 123.63 |
| 35 | 11 | 317 | LMT | O1B-C4'-C3' | 2.00 | 112.32 | 107.23 |
| 30 | 16 | 308 | CLA | O2A-CGA-O1A | -2.00 | 118.19 | 123.33 |

All (185) chirality outliers are listed below:

| Mol | Chain | Res | Type | Atom |
|-----|-------|-----|------|------|
| 29 | A | 801 | CL0 | NA |
| 29 | A | 801 | CL0 | NC |
| 29 | A | 801 | CL0 | ND |
| 30 | A | 802 | CLA | ND |
| 30 | A | 803 | CLA | ND |
| 30 | A | 804 | CLA | ND |
| 30 | A | 805 | CLA | ND |
| 30 | A | 806 | CLA | ND |
| 30 | A | 807 | CLA | ND |
| 30 | A | 808 | CLA | ND |
| 30 | A | 809 | CLA | ND |
| 30 | A | 810 | CLA | ND |
| 30 | A | 811 | CLA | ND |
| 30 | A | 812 | CLA | ND |
| 30 | A | 813 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|------------|--------------|------------|-------------|-------------|
| 30 | A | 814 | CLA | ND |
| 30 | A | 815 | CLA | ND |
| 30 | A | 816 | CLA | ND |
| 30 | A | 820 | CLA | ND |
| 30 | A | 821 | CLA | ND |
| 30 | A | 822 | CLA | ND |
| 30 | A | 824 | CLA | ND |
| 30 | A | 825 | CLA | ND |
| 30 | A | 826 | CLA | ND |
| 30 | A | 827 | CLA | ND |
| 30 | A | 828 | CLA | ND |
| 30 | A | 829 | CLA | ND |
| 30 | A | 830 | CLA | ND |
| 30 | A | 831 | CLA | ND |
| 30 | A | 833 | CLA | ND |
| 30 | A | 834 | CLA | ND |
| 30 | A | 835 | CLA | ND |
| 30 | A | 836 | CLA | ND |
| 30 | A | 837 | CLA | ND |
| 30 | A | 838 | CLA | ND |
| 30 | A | 839 | CLA | ND |
| 30 | A | 840 | CLA | ND |
| 30 | A | 841 | CLA | ND |
| 30 | A | 842 | CLA | ND |
| 30 | A | 843 | CLA | ND |
| 30 | A | 844 | CLA | ND |
| 30 | B | 801 | CLA | ND |
| 30 | B | 802 | CLA | ND |
| 30 | B | 803 | CLA | ND |
| 30 | B | 804 | CLA | ND |
| 30 | B | 805 | CLA | ND |
| 30 | B | 806 | CLA | ND |
| 30 | B | 807 | CLA | ND |
| 30 | B | 808 | CLA | ND |
| 30 | B | 809 | CLA | ND |
| 30 | B | 810 | CLA | ND |
| 30 | B | 811 | CLA | ND |
| 30 | B | 812 | CLA | ND |
| 30 | B | 813 | CLA | ND |
| 30 | B | 814 | CLA | ND |
| 30 | B | 815 | CLA | ND |
| 30 | B | 817 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|------------|--------------|------------|-------------|-------------|
| 30 | B | 818 | CLA | ND |
| 30 | B | 819 | CLA | ND |
| 30 | B | 821 | CLA | ND |
| 30 | B | 823 | CLA | ND |
| 30 | B | 824 | CLA | ND |
| 30 | B | 825 | CLA | ND |
| 30 | B | 826 | CLA | ND |
| 30 | B | 827 | CLA | ND |
| 30 | B | 828 | CLA | ND |
| 30 | B | 829 | CLA | ND |
| 30 | B | 830 | CLA | ND |
| 30 | B | 832 | CLA | ND |
| 30 | B | 833 | CLA | ND |
| 30 | B | 834 | CLA | ND |
| 30 | B | 835 | CLA | ND |
| 30 | B | 836 | CLA | ND |
| 30 | B | 837 | CLA | ND |
| 30 | B | 838 | CLA | ND |
| 30 | B | 839 | CLA | ND |
| 30 | F | 201 | CLA | ND |
| 30 | F | 202 | CLA | ND |
| 30 | F | 203 | CLA | ND |
| 30 | J | 101 | CLA | ND |
| 30 | L | 202 | CLA | ND |
| 30 | L | 203 | CLA | ND |
| 30 | 2u | 202 | CLA | ND |
| 30 | 1 | 301 | CLA | ND |
| 30 | 1 | 302 | CLA | ND |
| 30 | 1 | 303 | CLA | ND |
| 30 | 1 | 304 | CLA | ND |
| 30 | 1 | 305 | CLA | ND |
| 30 | 2 | 301 | CLA | ND |
| 30 | 2 | 304 | CLA | ND |
| 30 | 2 | 305 | CLA | ND |
| 30 | 2 | 307 | CLA | ND |
| 30 | 2 | 309 | CLA | ND |
| 30 | 2 | 310 | CLA | ND |
| 30 | 3 | 301 | CLA | ND |
| 30 | 3 | 302 | CLA | ND |
| 30 | 3 | 303 | CLA | ND |
| 30 | 3 | 305 | CLA | ND |
| 30 | 3 | 306 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|------------|--------------|------------|-------------|-------------|
| 30 | 3 | 307 | CLA | ND |
| 30 | 4 | 301 | CLA | ND |
| 30 | 4 | 302 | CLA | ND |
| 30 | 4 | 303 | CLA | ND |
| 30 | 4 | 304 | CLA | ND |
| 30 | 4 | 305 | CLA | ND |
| 30 | 4 | 306 | CLA | ND |
| 30 | 4 | 309 | CLA | ND |
| 30 | 4 | 311 | CLA | ND |
| 30 | 5 | 302 | CLA | ND |
| 30 | 5 | 303 | CLA | ND |
| 30 | 5 | 304 | CLA | ND |
| 30 | 5 | 307 | CLA | ND |
| 30 | 5 | 309 | CLA | ND |
| 30 | 5 | 311 | CLA | ND |
| 30 | 6 | 304 | CLA | ND |
| 30 | 6 | 305 | CLA | ND |
| 30 | 6 | 306 | CLA | ND |
| 30 | 6 | 307 | CLA | ND |
| 30 | 6 | 309 | CLA | ND |
| 30 | 6 | 310 | CLA | ND |
| 30 | 6 | 315 | CLA | ND |
| 30 | 6 | 316 | CLA | ND |
| 30 | 6 | 317 | CLA | ND |
| 30 | 7 | 303 | CLA | ND |
| 30 | 7 | 304 | CLA | ND |
| 30 | 7 | 305 | CLA | ND |
| 30 | 7 | 306 | CLA | ND |
| 30 | 7 | 309 | CLA | ND |
| 30 | 7 | 311 | CLA | ND |
| 30 | 7 | 312 | CLA | ND |
| 30 | 8 | 301 | CLA | ND |
| 30 | 8 | 302 | CLA | ND |
| 30 | 8 | 304 | CLA | ND |
| 30 | 8 | 308 | CLA | ND |
| 30 | 9 | 301 | CLA | ND |
| 30 | 9 | 302 | CLA | ND |
| 30 | 9 | 305 | CLA | ND |
| 30 | 9 | 306 | CLA | ND |
| 30 | 9 | 307 | CLA | ND |
| 30 | 9 | 308 | CLA | ND |
| 30 | 9 | 309 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|------------|--------------|------------|-------------|-------------|
| 30 | 10 | 303 | CLA | ND |
| 30 | 10 | 304 | CLA | ND |
| 30 | 10 | 305 | CLA | ND |
| 30 | 10 | 307 | CLA | ND |
| 30 | 10 | 308 | CLA | ND |
| 30 | 10 | 309 | CLA | ND |
| 30 | 11 | 304 | CLA | ND |
| 30 | 11 | 306 | CLA | ND |
| 30 | 11 | 308 | CLA | ND |
| 30 | 11 | 310 | CLA | ND |
| 30 | 12 | 303 | CLA | ND |
| 30 | 12 | 304 | CLA | ND |
| 30 | 12 | 306 | CLA | ND |
| 30 | 12 | 307 | CLA | ND |
| 30 | 12 | 308 | CLA | ND |
| 30 | 12 | 312 | CLA | ND |
| 30 | 12 | 321 | CLA | ND |
| 30 | 13 | 301 | CLA | ND |
| 30 | 13 | 302 | CLA | ND |
| 30 | 13 | 307 | CLA | ND |
| 30 | 13 | 309 | CLA | ND |
| 30 | 14 | 302 | CLA | ND |
| 30 | 14 | 303 | CLA | ND |
| 30 | 14 | 304 | CLA | ND |
| 30 | 14 | 305 | CLA | ND |
| 30 | 14 | 309 | CLA | ND |
| 30 | 14 | 310 | CLA | ND |
| 30 | 14 | 313 | CLA | ND |
| 30 | 15 | 303 | CLA | ND |
| 30 | 15 | 304 | CLA | ND |
| 30 | 15 | 305 | CLA | ND |
| 30 | 15 | 306 | CLA | ND |
| 30 | 15 | 307 | CLA | ND |
| 30 | 15 | 308 | CLA | ND |
| 30 | 15 | 310 | CLA | ND |
| 30 | 15 | 311 | CLA | ND |
| 30 | 15 | 312 | CLA | ND |
| 30 | 16 | 302 | CLA | ND |
| 30 | 16 | 303 | CLA | ND |
| 30 | 16 | 305 | CLA | ND |
| 30 | 16 | 306 | CLA | ND |
| 30 | 16 | 307 | CLA | ND |

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| Mol | Chain | Res | Type | Atom |
|-----|-------|-----|------|------|
| 30 | 16 | 308 | CLA | ND |
| 30 | 16 | 310 | CLA | ND |

All (3749) torsion outliers are listed below:

| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | A | 804 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 806 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 806 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 807 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 807 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 809 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 809 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 809 | CLA | CHA-CBD-CGD-O1D |
| 30 | A | 809 | CLA | CHA-CBD-CGD-O2D |
| 30 | A | 809 | CLA | C6-C7-C8-C9 |
| 30 | A | 812 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 819 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 820 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 820 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 835 | CLA | CHA-CBD-CGD-O1D |
| 30 | A | 835 | CLA | CHA-CBD-CGD-O2D |
| 30 | A | 838 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 844 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 844 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 844 | CLA | C11-C12-C13-C14 |
| 30 | B | 801 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 804 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 805 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 808 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 808 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 816 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 816 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 818 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 824 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 824 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 827 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 827 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 828 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 828 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 833 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 833 | CLA | C3A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | F | 203 | CLA | C1A-C2A-CAA-CBA |
| 30 | F | 203 | CLA | C3A-C2A-CAA-CBA |
| 30 | 1 | 301 | CLA | C1A-C2A-CAA-CBA |
| 30 | 1 | 301 | CLA | C3A-C2A-CAA-CBA |
| 30 | 1 | 304 | CLA | C1A-C2A-CAA-CBA |
| 30 | 1 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 1 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 2 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 2 | 303 | CLA | CBD-CGD-O2D-CED |
| 30 | 2 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 2 | 308 | CLA | C3A-C2A-CAA-CBA |
| 30 | 2 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | 3 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 3 | 303 | CLA | CHA-CBD-CGD-O1D |
| 30 | 3 | 303 | CLA | CHA-CBD-CGD-O2D |
| 30 | 3 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | 3 | 309 | CLA | CHA-CBD-CGD-O1D |
| 30 | 3 | 309 | CLA | CHA-CBD-CGD-O2D |
| 30 | 4 | 301 | CLA | C2-C1-O2A-CGA |
| 30 | 4 | 302 | CLA | C1A-C2A-CAA-CBA |
| 30 | 4 | 302 | CLA | C3A-C2A-CAA-CBA |
| 30 | 5 | 302 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 302 | CLA | C3A-C2A-CAA-CBA |
| 30 | 5 | 304 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 5 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 5 | 308 | CLA | C2-C3-C5-C6 |
| 30 | 5 | 308 | CLA | C4-C3-C5-C6 |
| 30 | 5 | 311 | CLA | CAD-CBD-CGD-O1D |
| 30 | 5 | 311 | CLA | CAD-CBD-CGD-O2D |
| 30 | 6 | 304 | CLA | C1A-C2A-CAA-CBA |
| 30 | 6 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 6 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 6 | 314 | CLA | CHA-CBD-CGD-O1D |
| 30 | 6 | 314 | CLA | CHA-CBD-CGD-O2D |
| 30 | 6 | 315 | CLA | CAD-CBD-CGD-O2D |
| 30 | 7 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 7 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 7 | 307 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 7 | 310 | CLA | C1A-C2A-CAA-CBA |
| 30 | 7 | 310 | CLA | C3A-C2A-CAA-CBA |
| 30 | 8 | 301 | CLA | C3A-C2A-CAA-CBA |
| 30 | 8 | 302 | CLA | C2-C3-C5-C6 |
| 30 | 8 | 302 | CLA | C4-C3-C5-C6 |
| 30 | 8 | 304 | CLA | C2-C3-C5-C6 |
| 30 | 8 | 304 | CLA | C4-C3-C5-C6 |
| 30 | 8 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 8 | 308 | CLA | CAD-CBD-CGD-O2D |
| 30 | 9 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 305 | CLA | CBD-CGD-O2D-CED |
| 30 | 9 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 9 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 10 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 10 | 311 | CLA | C1A-C2A-CAA-CBA |
| 30 | 11 | 306 | CLA | C1A-C2A-CAA-CBA |
| 30 | 11 | 306 | CLA | CHA-CBD-CGD-O1D |
| 30 | 11 | 306 | CLA | CHA-CBD-CGD-O2D |
| 30 | 12 | 307 | CLA | CHA-CBD-CGD-O1D |
| 30 | 12 | 307 | CLA | CHA-CBD-CGD-O2D |
| 30 | 12 | 312 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 301 | CLA | C3A-C2A-CAA-CBA |
| 30 | 13 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 309 | CLA | C3A-C2A-CAA-CBA |
| 30 | 14 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 14 | 303 | CLA | CHA-CBD-CGD-O2D |
| 30 | 14 | 304 | CLA | CHA-CBD-CGD-O1D |
| 30 | 14 | 304 | CLA | CHA-CBD-CGD-O2D |
| 30 | 14 | 312 | CLA | CAD-CBD-CGD-O2D |
| 30 | 14 | 313 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 302 | CLA | C2-C3-C5-C6 |
| 30 | 15 | 302 | CLA | C4-C3-C5-C6 |
| 30 | 15 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 305 | CLA | CHA-CBD-CGD-O1D |
| 30 | 15 | 305 | CLA | CHA-CBD-CGD-O2D |
| 30 | 15 | 306 | CLA | CHA-CBD-CGD-O1D |
| 30 | 15 | 306 | CLA | CHA-CBD-CGD-O2D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 15 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | 15 | 310 | CLA | CHA-CBD-CGD-O1D |
| 30 | 15 | 310 | CLA | CHA-CBD-CGD-O2D |
| 30 | 15 | 311 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 313 | CLA | CAD-CBD-CGD-O1D |
| 30 | 15 | 313 | CLA | CAD-CBD-CGD-O2D |
| 30 | 15 | 313 | CLA | C2-C3-C5-C6 |
| 30 | 15 | 313 | CLA | C4-C3-C5-C6 |
| 30 | 16 | 301 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 306 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 306 | CLA | CHA-CBD-CGD-O1D |
| 30 | 16 | 306 | CLA | CHA-CBD-CGD-O2D |
| 30 | 16 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 309 | CLA | CHA-CBD-CGD-O1D |
| 30 | 16 | 309 | CLA | CHA-CBD-CGD-O2D |
| 30 | 16 | 310 | CLA | CBD-CGD-O2D-CED |
| 33 | A | 847 | BCR | C7-C8-C9-C34 |
| 33 | A | 847 | BCR | C21-C22-C23-C24 |
| 33 | A | 847 | BCR | C37-C22-C23-C24 |
| 33 | A | 848 | BCR | C20-C21-C22-C37 |
| 33 | A | 849 | BCR | C7-C8-C9-C10 |
| 33 | A | 849 | BCR | C7-C8-C9-C34 |
| 33 | A | 849 | BCR | C16-C17-C18-C36 |
| 33 | A | 849 | BCR | C37-C22-C23-C24 |
| 33 | A | 850 | BCR | C20-C21-C22-C37 |
| 33 | A | 850 | BCR | C37-C22-C23-C24 |
| 33 | A | 851 | BCR | C20-C21-C22-C37 |
| 33 | B | 841 | BCR | C7-C8-C9-C10 |
| 33 | B | 842 | BCR | C21-C22-C23-C24 |
| 33 | B | 842 | BCR | C37-C22-C23-C24 |
| 33 | B | 845 | BCR | C7-C8-C9-C10 |
| 33 | B | 845 | BCR | C7-C8-C9-C34 |
| 33 | B | 845 | BCR | C21-C22-C23-C24 |
| 33 | B | 845 | BCR | C37-C22-C23-C24 |
| 33 | I | 101 | BCR | C7-C8-C9-C34 |
| 33 | J | 102 | BCR | C20-C21-C22-C37 |
| 33 | J | 102 | BCR | C21-C22-C23-C24 |
| 33 | J | 102 | BCR | C37-C22-C23-C24 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 33 | J | 103 | BCR | C6-C7-C8-C9 |
| 33 | J | 103 | BCR | C20-C21-C22-C37 |
| 33 | J | 103 | BCR | C21-C22-C23-C24 |
| 33 | L | 201 | BCR | C7-C8-C9-C34 |
| 33 | L | 201 | BCR | C11-C10-C9-C8 |
| 33 | L | 201 | BCR | C20-C21-C22-C23 |
| 33 | L | 204 | BCR | C6-C7-C8-C9 |
| 33 | L | 204 | BCR | C37-C22-C23-C24 |
| 33 | L | 204 | BCR | C23-C24-C25-C26 |
| 33 | M | 101 | BCR | C7-C8-C9-C10 |
| 33 | M | 101 | BCR | C21-C22-C23-C24 |
| 33 | 2u | 201 | BCR | C6-C7-C8-C9 |
| 33 | 2u | 201 | BCR | C10-C11-C12-C13 |
| 33 | 2u | 201 | BCR | C11-C12-C13-C14 |
| 33 | 2u | 201 | BCR | C11-C12-C13-C35 |
| 33 | 2u | 201 | BCR | C37-C22-C23-C24 |
| 34 | A | 852 | LHG | C3-O3-P-O4 |
| 34 | B | 848 | LHG | O1-C1-C2-C3 |
| 34 | B | 848 | LHG | O10-C23-O8-C6 |
| 34 | B | 848 | LHG | C24-C23-O8-C6 |
| 34 | 2 | 320 | LHG | O1-C1-C2-O2 |
| 34 | 2 | 320 | LHG | O1-C1-C2-C3 |
| 34 | 2 | 320 | LHG | C1-C2-C3-O3 |
| 34 | 2 | 320 | LHG | C3-O3-P-O4 |
| 34 | 2 | 320 | LHG | C3-O3-P-O6 |
| 34 | 2 | 320 | LHG | C4-O6-P-O3 |
| 34 | 2 | 320 | LHG | C4-O6-P-O5 |
| 34 | 5 | 317 | LHG | C3-O3-P-O6 |
| 34 | 6 | 322 | LHG | C3-O3-P-O4 |
| 34 | 6 | 322 | LHG | C4-O6-P-O5 |
| 34 | 9 | 318 | LHG | O1-C1-C2-O2 |
| 34 | 9 | 318 | LHG | O1-C1-C2-C3 |
| 34 | 9 | 318 | LHG | C3-O3-P-O5 |
| 34 | 9 | 318 | LHG | C4-O6-P-O3 |
| 34 | 9 | 318 | LHG | C4-O6-P-O5 |
| 34 | 9 | 318 | LHG | C8-C7-O7-C5 |
| 35 | 12 | 301 | LMT | O5'-C1'-O1'-C1 |
| 36 | A | 856 | LMG | C11-C10-O7-C8 |
| 36 | B | 847 | LMG | C2-C1-O1-C7 |
| 36 | B | 849 | LMG | O6-C1-O1-C7 |
| 36 | F | 205 | LMG | C2-C1-O1-C7 |
| 36 | F | 205 | LMG | O6-C1-O1-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | 2u | 204 | LMG | C2-C1-O1-C7 |
| 36 | 2u | 204 | LMG | C11-C10-O7-C8 |
| 36 | 3 | 317 | LMG | O6-C1-O1-C7 |
| 36 | 6 | 301 | LMG | O1-C7-C8-O7 |
| 36 | 6 | 301 | LMG | C11-C10-O7-C8 |
| 36 | 8 | 320 | LMG | O1-C7-C8-O7 |
| 37 | 2u | 203 | A86 | C10-C11-C13-O |
| 37 | 2u | 203 | A86 | C12-C11-C13-O |
| 37 | 2u | 205 | A86 | C10-C11-C13-O |
| 37 | 2u | 205 | A86 | C12-C11-C13-O |
| 37 | 2u | 205 | A86 | C13-C14-C15-O1 |
| 37 | 1 | 309 | A86 | C10-C11-C13-O |
| 37 | 1 | 309 | A86 | C12-C11-C13-O |
| 37 | 2 | 302 | A86 | C11-C10-C9-C8 |
| 37 | 2 | 302 | A86 | C10-C11-C13-O |
| 37 | 2 | 302 | A86 | C12-C11-C13-O |
| 37 | 2 | 302 | A86 | C1-C2-C3-C4 |
| 37 | 2 | 318 | A86 | C39-C38-O4-C34 |
| 37 | 2 | 319 | A86 | C39-C38-O4-C34 |
| 37 | 2 | 319 | A86 | C5-C6-C8-C9 |
| 37 | 2 | 319 | A86 | C7-C6-C8-C9 |
| 37 | 3 | 314 | A86 | C11-C10-C9-C8 |
| 37 | 3 | 315 | A86 | C-C1-C24-C25 |
| 37 | 3 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 3 | 315 | A86 | C13-C14-C15-C16 |
| 37 | 3 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 3 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 3 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 3 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 3 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 4 | 312 | A86 | O-C13-C14-C15 |
| 37 | 4 | 312 | A86 | C11-C13-C14-C15 |
| 37 | 4 | 312 | A86 | C13-C14-C15-O1 |
| 37 | 4 | 312 | A86 | C39-C38-O4-C34 |
| 37 | 4 | 312 | A86 | O5-C38-O4-C34 |
| 37 | 4 | 314 | A86 | C39-C38-O4-C34 |
| 37 | 4 | 315 | A86 | C-C1-C24-C25 |
| 37 | 4 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 4 | 317 | A86 | C39-C38-O4-C34 |
| 37 | 4 | 317 | A86 | O5-C38-O4-C34 |
| 37 | 5 | 301 | A86 | C13-C14-C15-C16 |
| 37 | 5 | 301 | A86 | C39-C38-O4-C34 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 5 | 301 | A86 | O5-C38-O4-C34 |
| 37 | 5 | 301 | A86 | C5-C6-C8-C9 |
| 37 | 5 | 301 | A86 | C7-C6-C8-C9 |
| 37 | 5 | 315 | A86 | C26-C27-C29-C30 |
| 37 | 5 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 5 | 316 | A86 | O-C13-C14-C15 |
| 37 | 5 | 316 | A86 | C26-C27-C29-C30 |
| 37 | 5 | 316 | A86 | C28-C27-C29-C30 |
| 37 | 5 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 6 | 320 | A86 | C2-C1-C24-C25 |
| 37 | 6 | 320 | A86 | C26-C27-C29-C30 |
| 37 | 6 | 320 | A86 | C28-C27-C29-C30 |
| 37 | 7 | 315 | A86 | C-C1-C24-C25 |
| 37 | 7 | 315 | A86 | C13-C14-C15-O1 |
| 37 | 7 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 7 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 7 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 7 | 316 | A86 | C11-C10-C9-C8 |
| 37 | 7 | 316 | A86 | C10-C11-C13-O |
| 37 | 7 | 316 | A86 | C12-C11-C13-O |
| 37 | 7 | 316 | A86 | C5-C6-C8-C9 |
| 37 | 7 | 316 | A86 | C7-C6-C8-C9 |
| 37 | 7 | 319 | A86 | C13-C14-C15-O1 |
| 37 | 7 | 319 | A86 | C39-C38-O4-C34 |
| 37 | 7 | 319 | A86 | O5-C38-O4-C34 |
| 37 | 8 | 315 | A86 | C-C1-C24-C25 |
| 37 | 8 | 315 | A86 | O-C13-C14-C15 |
| 37 | 8 | 318 | A86 | C-C1-C24-C25 |
| 37 | 8 | 318 | A86 | C3-C4-C5-C6 |
| 37 | 9 | 313 | A86 | C2-C1-C24-C25 |
| 37 | 9 | 313 | A86 | O5-C38-O4-C34 |
| 37 | 9 | 313 | A86 | C5-C6-C8-C9 |
| 37 | 9 | 313 | A86 | C7-C6-C8-C9 |
| 37 | 9 | 315 | A86 | C-C1-C24-C25 |
| 37 | 9 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 9 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 9 | 316 | A86 | C26-C27-C29-C30 |
| 37 | 9 | 316 | A86 | C28-C27-C29-C30 |
| 37 | 9 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 301 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 302 | A86 | C12-C11-C13-C14 |
| 37 | 10 | 315 | A86 | C-C1-C24-C25 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 10 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 10 | 315 | A86 | O-C13-C14-C15 |
| 37 | 10 | 315 | A86 | C11-C13-C14-C15 |
| 37 | 10 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 10 | 316 | A86 | C13-C14-C15-C16 |
| 37 | 10 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 316 | A86 | C5-C6-C8-C9 |
| 37 | 10 | 317 | A86 | C12-C11-C13-C14 |
| 37 | 11 | 301 | A86 | C12-C11-C13-C14 |
| 37 | 11 | 301 | A86 | C39-C38-O4-C34 |
| 37 | 11 | 314 | A86 | O-C13-C14-C15 |
| 37 | 11 | 314 | A86 | C11-C13-C14-C15 |
| 37 | 11 | 314 | A86 | C13-C14-C15-C16 |
| 37 | 11 | 314 | A86 | C39-C38-O4-C34 |
| 37 | 11 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 11 | 315 | A86 | C26-C27-C29-C30 |
| 37 | 11 | 315 | A86 | C28-C27-C29-C30 |
| 37 | 11 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 11 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 11 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 11 | 316 | A86 | C13-C14-C15-C16 |
| 37 | 11 | 316 | A86 | C1-C2-C3-C4 |
| 37 | 11 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 11 | 316 | A86 | O5-C38-O4-C34 |
| 37 | 11 | 316 | A86 | C5-C6-C8-C9 |
| 37 | 11 | 316 | A86 | C7-C6-C8-C9 |
| 37 | 12 | 314 | A86 | C-C1-C24-C25 |
| 37 | 12 | 314 | A86 | C2-C1-C24-C25 |
| 37 | 12 | 314 | A86 | C13-C14-C15-C16 |
| 37 | 12 | 314 | A86 | C5-C6-C8-C9 |
| 37 | 12 | 314 | A86 | C7-C6-C8-C9 |
| 37 | 12 | 316 | A86 | C13-C14-C15-C16 |
| 37 | 12 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 12 | 316 | A86 | C3-C4-C5-C6 |
| 37 | 12 | 316 | A86 | C5-C6-C8-C9 |
| 37 | 12 | 316 | A86 | C7-C6-C8-C9 |
| 37 | 13 | 313 | A86 | C-C1-C24-C25 |
| 37 | 13 | 313 | A86 | C2-C1-C24-C25 |
| 37 | 13 | 313 | A86 | C12-C11-C13-C14 |
| 37 | 13 | 315 | A86 | C13-C14-C15-C16 |
| 37 | 13 | 315 | A86 | C26-C27-C29-C30 |
| 37 | 13 | 315 | A86 | C28-C27-C29-C30 |

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| Mol | Chain | Res | Type | Atoms |
|------------|--------------|------------|-------------|-----------------|
| 37 | 13 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 13 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 14 | 301 | A86 | C-C1-C24-C25 |
| 37 | 14 | 301 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 301 | A86 | C39-C38-O4-C34 |
| 37 | 14 | 301 | A86 | O5-C38-O4-C34 |
| 37 | 14 | 314 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 314 | A86 | C10-C11-C13-O |
| 37 | 14 | 314 | A86 | C12-C11-C13-O |
| 37 | 14 | 315 | A86 | C-C1-C24-C25 |
| 37 | 14 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 14 | 315 | A86 | O-C13-C14-C15 |
| 37 | 14 | 315 | A86 | C11-C13-C14-C15 |
| 37 | 14 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 316 | A86 | C-C1-C24-C25 |
| 37 | 14 | 316 | A86 | O-C13-C14-C15 |
| 37 | 14 | 316 | A86 | C13-C14-C15-C16 |
| 37 | 14 | 317 | A86 | C-C1-C24-C25 |
| 37 | 14 | 317 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 317 | A86 | O-C13-C14-C15 |
| 37 | 14 | 317 | A86 | C11-C13-C14-C15 |
| 37 | 14 | 317 | A86 | C13-C14-C15-C16 |
| 37 | 14 | 317 | A86 | C26-C27-C29-C30 |
| 37 | 14 | 317 | A86 | C3-C4-C5-C6 |
| 37 | 14 | 318 | A86 | C-C1-C24-C25 |
| 37 | 14 | 318 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 318 | A86 | O-C13-C14-C15 |
| 37 | 14 | 318 | A86 | C11-C13-C14-C15 |
| 37 | 14 | 318 | A86 | C13-C14-C15-C16 |
| 37 | 14 | 318 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 319 | A86 | C10-C11-C13-O |
| 37 | 14 | 319 | A86 | C12-C11-C13-O |
| 37 | 14 | 319 | A86 | C1-C2-C3-C4 |
| 37 | 14 | 319 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 320 | A86 | C13-C14-C15-O1 |
| 37 | 14 | 320 | A86 | O5-C38-O4-C34 |
| 37 | 14 | 320 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 316 | A86 | C11-C10-C9-C8 |
| 37 | 15 | 316 | A86 | C10-C11-C13-O |
| 37 | 15 | 316 | A86 | C12-C11-C13-O |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 15 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 15 | 317 | A86 | O-C13-C14-C15 |
| 37 | 15 | 317 | A86 | C11-C13-C14-C15 |
| 37 | 15 | 317 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 320 | A86 | C-C1-C24-C25 |
| 37 | 15 | 320 | A86 | C2-C1-C24-C25 |
| 37 | 15 | 320 | A86 | C10-C11-C13-O |
| 37 | 15 | 320 | A86 | C12-C11-C13-O |
| 37 | 15 | 320 | A86 | O-C13-C14-C15 |
| 37 | 15 | 320 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 320 | A86 | C24-C25-C26-C27 |
| 37 | 15 | 320 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 320 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 320 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 321 | A86 | C-C1-C24-C25 |
| 37 | 15 | 321 | A86 | C2-C1-C24-C25 |
| 37 | 15 | 321 | A86 | C13-C14-C15-C16 |
| 37 | 15 | 321 | A86 | C24-C25-C26-C27 |
| 37 | 15 | 321 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 322 | A86 | O-C13-C14-C15 |
| 37 | 15 | 322 | A86 | C11-C13-C14-C15 |
| 37 | 15 | 322 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 322 | A86 | C26-C27-C29-C30 |
| 37 | 15 | 322 | A86 | C28-C27-C29-C30 |
| 37 | 15 | 322 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 322 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 322 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 323 | A86 | C-C1-C24-C25 |
| 37 | 15 | 323 | A86 | C2-C1-C24-C25 |
| 37 | 15 | 323 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 323 | A86 | C24-C25-C26-C27 |
| 37 | 15 | 323 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 323 | A86 | O5-C38-O4-C34 |
| 37 | 16 | 312 | A86 | C13-C14-C15-O1 |
| 37 | 16 | 312 | A86 | C28-C27-C29-C30 |
| 37 | 16 | 314 | A86 | C-C1-C24-C25 |
| 37 | 16 | 314 | A86 | C2-C1-C24-C25 |
| 37 | 16 | 314 | A86 | O-C13-C14-C15 |
| 37 | 16 | 314 | A86 | C24-C25-C26-C27 |
| 37 | 16 | 314 | A86 | C5-C6-C8-C9 |
| 38 | 1 | 306 | KC1 | C2A-CAA-CBA-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 2 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 2 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 2 | 314 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 2 | 314 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 3 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 3 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 3 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 3 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 3 | 311 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 3 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 4 | 307 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 4 | 307 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 4 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 4 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 4 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 5 | 305 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 5 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 5 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 5 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 5 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 5 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 5 | 310 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 5 | 310 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 5 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 6 | 308 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 6 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 6 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 6 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 6 | 311 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 6 | 311 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 6 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 6 | 312 | KC1 | CAD-CBD-CGD-O2D |
| 38 | 6 | 313 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 7 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 7 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 7 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 8 | 307 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 307 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 307 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 8 | 310 | KC1 | C1A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 8 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 310 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 8 | 310 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 8 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 8 | 313 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 314 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 9 | 304 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 9 | 304 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 9 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 9 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 9 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 9 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 9 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 9 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 10 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 10 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 10 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 10 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 10 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 10 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 10 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 11 | 305 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 11 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 11 | 307 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 11 | 307 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 11 | 307 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 11 | 307 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 11 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 11 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 11 | 311 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 11 | 311 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 11 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 11 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 12 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 12 | 309 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 12 | 309 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 12 | 309 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 12 | 309 | KC1 | CHA-CBD-CGD-O2D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 12 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 12 | 313 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 12 | 313 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 305 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 305 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 13 | 305 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 13 | 306 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 13 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 13 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 13 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 13 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 13 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 13 | 310 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 13 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 13 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 14 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 14 | 308 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 14 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 14 | 308 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 14 | 308 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 14 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 16 | 304 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 16 | 304 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 16 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 16 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 16 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 16 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 39 | 1 | 310 | DD6 | C-C1-C2-C3 |
| 39 | 1 | 310 | DD6 | C-C1-C24-C25 |
| 39 | 1 | 310 | DD6 | C9-C10-C11-C12 |
| 39 | 1 | 310 | DD6 | C10-C11-C13-C14 |
| 39 | 1 | 310 | DD6 | C12-C11-C13-C14 |
| 39 | 1 | 310 | DD6 | C4-C5-C6-C7 |
| 39 | 1 | 310 | DD6 | C7-C6-C8-C9 |
| 39 | 2 | 315 | DD6 | C-C1-C2-C3 |
| 39 | 2 | 315 | DD6 | C9-C10-C11-C12 |
| 39 | 2 | 315 | DD6 | C9-C10-C11-C13 |
| 39 | 2 | 315 | DD6 | C12-C11-C13-C14 |
| 39 | 2 | 315 | DD6 | C4-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 2 | 315 | DD6 | C5-C6-C8-C9 |
| 39 | 2 | 315 | DD6 | C7-C6-C8-C9 |
| 39 | 2 | 316 | DD6 | C-C1-C2-C3 |
| 39 | 2 | 316 | DD6 | C-C1-C24-C25 |
| 39 | 2 | 316 | DD6 | C9-C10-C11-C13 |
| 39 | 2 | 316 | DD6 | C12-C11-C13-C14 |
| 39 | 2 | 316 | DD6 | C13-C14-C15-O1 |
| 39 | 2 | 316 | DD6 | C4-C5-C6-C8 |
| 39 | 2 | 316 | DD6 | C7-C6-C8-C9 |
| 39 | 2 | 317 | DD6 | C-C1-C2-C3 |
| 39 | 2 | 317 | DD6 | C9-C10-C11-C13 |
| 39 | 2 | 317 | DD6 | C13-C14-C15-C16 |
| 39 | 2 | 317 | DD6 | C5-C6-C8-C9 |
| 39 | 2 | 317 | DD6 | C7-C6-C8-C9 |
| 39 | 3 | 312 | DD6 | C-C1-C2-C3 |
| 39 | 3 | 312 | DD6 | C9-C10-C11-C12 |
| 39 | 3 | 312 | DD6 | C12-C11-C13-C14 |
| 39 | 3 | 312 | DD6 | C4-C5-C6-C7 |
| 39 | 3 | 313 | DD6 | C-C1-C2-C3 |
| 39 | 3 | 313 | DD6 | C9-C10-C11-C12 |
| 39 | 3 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 3 | 316 | DD6 | C-C1-C2-C3 |
| 39 | 3 | 316 | DD6 | C9-C10-C11-C12 |
| 39 | 3 | 316 | DD6 | C4-C5-C6-C7 |
| 39 | 3 | 316 | DD6 | C7-C6-C8-C9 |
| 39 | 4 | 313 | DD6 | C-C1-C2-C3 |
| 39 | 4 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 4 | 313 | DD6 | C9-C10-C11-C12 |
| 39 | 4 | 313 | DD6 | C13-C14-C15-C20 |
| 39 | 4 | 313 | DD6 | C13-C14-C15-O1 |
| 39 | 4 | 313 | DD6 | C4-C5-C6-C8 |
| 39 | 4 | 313 | DD6 | C7-C6-C8-C9 |
| 39 | 4 | 316 | DD6 | C-C1-C2-C3 |
| 39 | 4 | 316 | DD6 | C-C1-C24-C25 |
| 39 | 4 | 316 | DD6 | C9-C10-C11-C12 |
| 39 | 4 | 316 | DD6 | C9-C10-C11-C13 |
| 39 | 4 | 316 | DD6 | C12-C11-C13-C14 |
| 39 | 4 | 316 | DD6 | C13-C14-C15-O1 |
| 39 | 4 | 316 | DD6 | C4-C5-C6-C7 |
| 39 | 4 | 316 | DD6 | C5-C6-C8-C9 |
| 39 | 4 | 316 | DD6 | C7-C6-C8-C9 |
| 39 | 5 | 313 | DD6 | C-C1-C2-C3 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 5 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 5 | 313 | DD6 | C9-C10-C11-C12 |
| 39 | 5 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 5 | 313 | DD6 | C5-C6-C8-C9 |
| 39 | 5 | 314 | DD6 | C-C1-C2-C3 |
| 39 | 5 | 314 | DD6 | C-C1-C24-C25 |
| 39 | 5 | 314 | DD6 | C9-C10-C11-C12 |
| 39 | 5 | 314 | DD6 | C13-C14-C15-O1 |
| 39 | 5 | 314 | DD6 | C4-C5-C6-C7 |
| 39 | 5 | 314 | DD6 | C5-C6-C8-C9 |
| 39 | 6 | 303 | DD6 | C-C1-C2-C3 |
| 39 | 6 | 303 | DD6 | C-C1-C24-C25 |
| 39 | 6 | 303 | DD6 | C9-C10-C11-C13 |
| 39 | 6 | 303 | DD6 | C4-C5-C6-C8 |
| 39 | 6 | 303 | DD6 | C7-C6-C8-C9 |
| 39 | 6 | 318 | DD6 | C-C1-C2-C3 |
| 39 | 6 | 318 | DD6 | C9-C10-C11-C12 |
| 39 | 6 | 318 | DD6 | C11-C10-C9-C8 |
| 39 | 6 | 318 | DD6 | C4-C5-C6-C7 |
| 39 | 6 | 319 | DD6 | C-C1-C2-C3 |
| 39 | 6 | 319 | DD6 | C-C1-C24-C25 |
| 39 | 6 | 319 | DD6 | C4-C5-C6-C8 |
| 39 | 6 | 319 | DD6 | C7-C6-C8-C9 |
| 39 | 6 | 321 | DD6 | C-C1-C2-C3 |
| 39 | 6 | 321 | DD6 | C2-C1-C24-C25 |
| 39 | 6 | 321 | DD6 | C9-C10-C11-C12 |
| 39 | 6 | 321 | DD6 | C4-C5-C6-C8 |
| 39 | 6 | 321 | DD6 | C5-C6-C8-C9 |
| 39 | 6 | 321 | DD6 | C7-C6-C8-C9 |
| 39 | 7 | 302 | DD6 | C-C1-C2-C3 |
| 39 | 7 | 302 | DD6 | C-C1-C24-C25 |
| 39 | 7 | 302 | DD6 | C2-C1-C24-C25 |
| 39 | 7 | 302 | DD6 | C9-C10-C11-C12 |
| 39 | 7 | 302 | DD6 | C24-C25-C26-C27 |
| 39 | 7 | 302 | DD6 | C4-C5-C6-C7 |
| 39 | 7 | 302 | DD6 | C5-C6-C8-C9 |
| 39 | 7 | 314 | DD6 | C-C1-C2-C3 |
| 39 | 7 | 314 | DD6 | C-C1-C24-C25 |
| 39 | 7 | 314 | DD6 | C9-C10-C11-C12 |
| 39 | 7 | 314 | DD6 | C10-C11-C13-C14 |
| 39 | 7 | 314 | DD6 | C12-C11-C13-C14 |
| 39 | 7 | 314 | DD6 | C4-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 7 | 314 | DD6 | C7-C6-C8-C9 |
| 39 | 7 | 317 | DD6 | C-C1-C2-C3 |
| 39 | 7 | 317 | DD6 | C2-C1-C24-C25 |
| 39 | 7 | 317 | DD6 | C9-C10-C11-C12 |
| 39 | 7 | 317 | DD6 | C13-C14-C15-C16 |
| 39 | 7 | 317 | DD6 | C4-C5-C6-C8 |
| 39 | 7 | 318 | DD6 | C-C1-C2-C3 |
| 39 | 7 | 318 | DD6 | C-C1-C24-C25 |
| 39 | 7 | 318 | DD6 | C2-C1-C24-C25 |
| 39 | 7 | 318 | DD6 | C9-C10-C11-C13 |
| 39 | 7 | 318 | DD6 | C4-C5-C6-C7 |
| 39 | 7 | 318 | DD6 | C7-C6-C8-C9 |
| 39 | 8 | 316 | DD6 | C-C1-C2-C3 |
| 39 | 8 | 316 | DD6 | C9-C10-C11-C12 |
| 39 | 8 | 316 | DD6 | C11-C10-C9-C8 |
| 39 | 8 | 316 | DD6 | C12-C11-C13-C14 |
| 39 | 8 | 316 | DD6 | C13-C14-C15-C20 |
| 39 | 8 | 316 | DD6 | C13-C14-C15-O1 |
| 39 | 8 | 316 | DD6 | C4-C5-C6-C7 |
| 39 | 8 | 316 | DD6 | C5-C6-C8-C9 |
| 39 | 8 | 316 | DD6 | C7-C6-C8-C9 |
| 39 | 8 | 317 | DD6 | C-C1-C2-C3 |
| 39 | 8 | 317 | DD6 | C9-C10-C11-C13 |
| 39 | 8 | 317 | DD6 | C10-C11-C13-C14 |
| 39 | 8 | 317 | DD6 | C12-C11-C13-C14 |
| 39 | 8 | 317 | DD6 | C4-C5-C6-C7 |
| 39 | 8 | 317 | DD6 | C5-C6-C8-C9 |
| 39 | 9 | 314 | DD6 | C-C1-C2-C3 |
| 39 | 9 | 314 | DD6 | C-C1-C24-C25 |
| 39 | 9 | 314 | DD6 | C9-C10-C11-C13 |
| 39 | 9 | 314 | DD6 | C10-C11-C13-C14 |
| 39 | 9 | 314 | DD6 | C12-C11-C13-C14 |
| 39 | 9 | 314 | DD6 | C4-C5-C6-C7 |
| 39 | 10 | 313 | DD6 | C-C1-C2-C3 |
| 39 | 10 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 10 | 313 | DD6 | C9-C10-C11-C13 |
| 39 | 10 | 313 | DD6 | C13-C14-C15-O1 |
| 39 | 10 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 10 | 314 | DD6 | C-C1-C2-C3 |
| 39 | 10 | 314 | DD6 | C9-C10-C11-C12 |
| 39 | 10 | 314 | DD6 | C4-C5-C6-C7 |
| 39 | 10 | 314 | DD6 | C5-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 11 | 313 | DD6 | C-C1-C2-C3 |
| 39 | 11 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 11 | 313 | DD6 | C9-C10-C11-C13 |
| 39 | 11 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 11 | 313 | DD6 | C7-C6-C8-C9 |
| 39 | 12 | 315 | DD6 | C-C1-C2-C3 |
| 39 | 12 | 315 | DD6 | C9-C10-C11-C12 |
| 39 | 12 | 315 | DD6 | C10-C11-C13-C14 |
| 39 | 12 | 315 | DD6 | C12-C11-C13-C14 |
| 39 | 12 | 315 | DD6 | C4-C5-C6-C7 |
| 39 | 12 | 317 | DD6 | C-C1-C2-C3 |
| 39 | 12 | 317 | DD6 | C2-C1-C24-C25 |
| 39 | 12 | 317 | DD6 | C9-C10-C11-C12 |
| 39 | 12 | 317 | DD6 | C9-C10-C11-C13 |
| 39 | 12 | 317 | DD6 | C12-C11-C13-C14 |
| 39 | 12 | 317 | DD6 | C4-C5-C6-C7 |
| 39 | 12 | 317 | DD6 | C5-C6-C8-C9 |
| 39 | 12 | 317 | DD6 | C7-C6-C8-C9 |
| 39 | 13 | 314 | DD6 | C-C1-C2-C3 |
| 39 | 13 | 314 | DD6 | C-C1-C24-C25 |
| 39 | 13 | 314 | DD6 | C9-C10-C11-C12 |
| 39 | 13 | 314 | DD6 | C12-C11-C13-C14 |
| 39 | 13 | 314 | DD6 | C13-C14-C15-O1 |
| 39 | 13 | 314 | DD6 | C3-C4-C5-C6 |
| 39 | 13 | 314 | DD6 | C4-C5-C6-C7 |
| 39 | 13 | 314 | DD6 | C7-C6-C8-C9 |
| 39 | 15 | 318 | DD6 | C24-C1-C2-C3 |
| 39 | 15 | 318 | DD6 | C-C1-C24-C25 |
| 39 | 15 | 318 | DD6 | C9-C10-C11-C13 |
| 39 | 15 | 318 | DD6 | C13-C14-C15-C16 |
| 39 | 15 | 318 | DD6 | C1-C2-C3-C4 |
| 39 | 15 | 318 | DD6 | C4-C5-C6-C7 |
| 39 | 15 | 318 | DD6 | C7-C6-C8-C9 |
| 39 | 15 | 319 | DD6 | C-C1-C2-C3 |
| 39 | 15 | 319 | DD6 | C2-C1-C24-C25 |
| 39 | 15 | 319 | DD6 | C9-C10-C11-C12 |
| 39 | 15 | 319 | DD6 | C13-C14-C15-C16 |
| 39 | 15 | 319 | DD6 | C1-C2-C3-C4 |
| 39 | 15 | 319 | DD6 | C4-C5-C6-C7 |
| 39 | 15 | 319 | DD6 | C5-C6-C8-C9 |
| 39 | 16 | 313 | DD6 | C-C1-C2-C3 |
| 39 | 16 | 313 | DD6 | C9-C10-C11-C13 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 16 | 313 | DD6 | C13-C14-C15-C20 |
| 39 | 16 | 313 | DD6 | C13-C14-C15-O1 |
| 39 | 16 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 16 | 313 | DD6 | C5-C6-C8-C9 |
| 39 | 16 | 313 | DD6 | C7-C6-C8-C9 |
| 30 | A | 807 | CLA | O1D-CGD-O2D-CED |
| 30 | 2 | 303 | CLA | O1D-CGD-O2D-CED |
| 37 | 4 | 314 | A86 | O5-C38-O4-C34 |
| 37 | 4 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 5 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 7 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 10 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 316 | A86 | O5-C38-O4-C34 |
| 37 | 11 | 301 | A86 | O5-C38-O4-C34 |
| 37 | 12 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 14 | 320 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 317 | A86 | C39-C38-O4-C34 |
| 35 | A | 854 | LMT | O5B-C1B-O1B-C4' |
| 35 | B | 852 | LMT | C3'-C4'-O1B-C1B |
| 30 | F | 201 | CLA | O1D-CGD-O2D-CED |
| 30 | 7 | 307 | CLA | O1D-CGD-O2D-CED |
| 30 | 15 | 304 | CLA | O1D-CGD-O2D-CED |
| 30 | 15 | 314 | CLA | O1D-CGD-O2D-CED |
| 30 | 16 | 310 | CLA | O1D-CGD-O2D-CED |
| 37 | 2u | 203 | A86 | C39-C38-O4-C34 |
| 37 | 2 | 318 | A86 | O5-C38-O4-C34 |
| 37 | 2 | 319 | A86 | O5-C38-O4-C34 |
| 37 | 5 | 316 | A86 | O5-C38-O4-C34 |
| 37 | 9 | 316 | A86 | O5-C38-O4-C34 |
| 37 | 10 | 301 | A86 | O5-C38-O4-C34 |
| 37 | 10 | 317 | A86 | C39-C38-O4-C34 |
| 37 | 11 | 314 | A86 | O5-C38-O4-C34 |
| 37 | 11 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 15 | 321 | A86 | O5-C38-O4-C34 |
| 37 | 15 | 322 | A86 | O5-C38-O4-C34 |
| 37 | 16 | 314 | A86 | C39-C38-O4-C34 |
| 30 | A | 811 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 829 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 822 | CLA | CBD-CGD-O2D-CED |
| 30 | F | 201 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 6 | 317 | CLA | CBD-CGD-O2D-CED |
| 30 | 9 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | 12 | 308 | CLA | CBD-CGD-O2D-CED |
| 30 | 14 | 310 | CLA | CBD-CGD-O2D-CED |
| 30 | 15 | 304 | CLA | CBD-CGD-O2D-CED |
| 30 | 15 | 314 | CLA | CBD-CGD-O2D-CED |
| 38 | 2 | 314 | KC1 | CBD-CGD-O2D-CED |
| 38 | 5 | 312 | KC1 | CBD-CGD-O2D-CED |
| 35 | 15 | 301 | LMT | O5B-C1B-O1B-C4' |
| 30 | A | 804 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 810 | CLA | O1A-CGA-O2A-C1 |
| 30 | 1 | 304 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 7 | 307 | CLA | O1A-CGA-O2A-C1 |
| 37 | 9 | 313 | A86 | C39-C38-O4-C34 |
| 37 | 14 | 316 | A86 | C39-C38-O4-C34 |
| 37 | 14 | 317 | A86 | C39-C38-O4-C34 |
| 37 | 15 | 320 | A86 | O5-C38-O4-C34 |
| 37 | 10 | 315 | A86 | C35-C34-O4-C38 |
| 37 | 11 | 315 | A86 | C33-C34-O4-C38 |
| 38 | 2 | 314 | KC1 | O1D-CGD-O2D-CED |
| 30 | A | 804 | CLA | CBA-CGA-O2A-C1 |
| 30 | 1 | 304 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 7 | 307 | CLA | CBA-CGA-O2A-C1 |
| 36 | 8 | 319 | LMG | C29-C28-O8-C9 |
| 37 | 2u | 203 | A86 | O5-C38-O4-C34 |
| 37 | 2u | 205 | A86 | O5-C38-O4-C34 |
| 30 | A | 806 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 809 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 821 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 843 | CLA | O1A-CGA-O2A-C1 |
| 30 | 4 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | 7 | 306 | CLA | O1A-CGA-O2A-C1 |
| 30 | 11 | 304 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 306 | CLA | O1A-CGA-O2A-C1 |
| 34 | 9 | 318 | LHG | O10-C23-O8-C6 |
| 36 | 6 | 301 | LMG | O10-C28-O8-C9 |
| 36 | 8 | 319 | LMG | O10-C28-O8-C9 |
| 37 | 2u | 205 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 302 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 315 | A86 | O5-C38-O4-C34 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 13 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 13 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 16 | 304 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 16 | 304 | KC1 | CAA-CBA-CGA-O2A |
| 30 | 2 | 309 | CLA | O1D-CGD-O2D-CED |
| 30 | 9 | 305 | CLA | O1D-CGD-O2D-CED |
| 30 | 15 | 309 | CLA | O1D-CGD-O2D-CED |
| 37 | 15 | 317 | A86 | O5-C38-O4-C34 |
| 34 | 9 | 318 | LHG | O9-C7-O7-C5 |
| 36 | A | 856 | LMG | O9-C10-O7-C8 |
| 36 | B | 849 | LMG | O9-C10-O7-C8 |
| 36 | 2u | 204 | LMG | O9-C10-O7-C8 |
| 37 | 10 | 302 | A86 | O5-C38-O4-C34 |
| 30 | A | 809 | CLA | C3-C5-C6-C7 |
| 30 | A | 810 | CLA | C3-C5-C6-C7 |
| 30 | A | 816 | CLA | C3-C5-C6-C7 |
| 30 | A | 821 | CLA | C3-C5-C6-C7 |
| 30 | A | 822 | CLA | C3-C5-C6-C7 |
| 30 | A | 844 | CLA | C3-C5-C6-C7 |
| 30 | B | 806 | CLA | C3-C5-C6-C7 |
| 30 | B | 808 | CLA | C3-C5-C6-C7 |
| 30 | B | 813 | CLA | C3-C5-C6-C7 |
| 30 | B | 834 | CLA | C3-C5-C6-C7 |
| 30 | F | 202 | CLA | C3-C5-C6-C7 |
| 30 | 1 | 301 | CLA | C3-C5-C6-C7 |
| 30 | 2 | 307 | CLA | C3-C5-C6-C7 |
| 30 | 2 | 310 | CLA | C3-C5-C6-C7 |
| 30 | 3 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 3 | 306 | CLA | C3-C5-C6-C7 |
| 30 | 3 | 307 | CLA | C3-C5-C6-C7 |
| 30 | 4 | 309 | CLA | C3-C5-C6-C7 |
| 30 | 5 | 302 | CLA | C3-C5-C6-C7 |
| 30 | 5 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 5 | 304 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 305 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 307 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 309 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 317 | CLA | C3-C5-C6-C7 |
| 30 | 7 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 7 | 306 | CLA | C3-C5-C6-C7 |
| 30 | 7 | 310 | CLA | C3-C5-C6-C7 |
| 30 | 7 | 311 | CLA | C3-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 8 | 304 | CLA | C3-C5-C6-C7 |
| 30 | 9 | 308 | CLA | C3-C5-C6-C7 |
| 30 | 10 | 304 | CLA | C3-C5-C6-C7 |
| 30 | 10 | 309 | CLA | C3-C5-C6-C7 |
| 30 | 11 | 309 | CLA | C3-C5-C6-C7 |
| 30 | 14 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 16 | 302 | CLA | C3-C5-C6-C7 |
| 31 | B | 840 | PQN | C13-C15-C16-C17 |
| 30 | B | 801 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 806 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 809 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 821 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 843 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 810 | CLA | CBA-CGA-O2A-C1 |
| 30 | 4 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 5 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 11 | 304 | CLA | CBA-CGA-O2A-C1 |
| 36 | 6 | 301 | LMG | C29-C28-O8-C9 |
| 36 | 7 | 320 | LMG | C29-C28-O8-C9 |
| 30 | A | 820 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 835 | CLA | CBD-CGD-O2D-CED |
| 30 | 1 | 302 | CLA | CBD-CGD-O2D-CED |
| 30 | 3 | 307 | CLA | CBD-CGD-O2D-CED |
| 30 | 8 | 301 | CLA | CBD-CGD-O2D-CED |
| 30 | 11 | 310 | CLA | CBD-CGD-O2D-CED |
| 38 | 5 | 306 | KC1 | CBD-CGD-O2D-CED |
| 38 | 8 | 311 | KC1 | CBD-CGD-O2D-CED |
| 38 | 10 | 306 | KC1 | CBD-CGD-O2D-CED |
| 38 | 11 | 307 | KC1 | CBD-CGD-O2D-CED |
| 38 | 13 | 305 | KC1 | CBD-CGD-O2D-CED |
| 38 | 13 | 306 | KC1 | CBD-CGD-O2D-CED |
| 37 | 4 | 315 | A86 | O5-C38-O4-C34 |
| 37 | 14 | 318 | A86 | C39-C38-O4-C34 |
| 30 | 14 | 310 | CLA | O1A-CGA-O2A-C1 |
| 37 | 12 | 316 | A86 | O5-C38-O4-C34 |
| 30 | A | 821 | CLA | C4-C3-C5-C6 |
| 30 | A | 831 | CLA | C4-C3-C5-C6 |
| 30 | A | 833 | CLA | C4-C3-C5-C6 |
| 30 | A | 836 | CLA | C4-C3-C5-C6 |
| 30 | A | 842 | CLA | C4-C3-C5-C6 |
| 30 | B | 802 | CLA | C4-C3-C5-C6 |
| 30 | B | 806 | CLA | C4-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 811 | CLA | C4-C3-C5-C6 |
| 30 | B | 821 | CLA | C4-C3-C5-C6 |
| 30 | B | 831 | CLA | C4-C3-C5-C6 |
| 30 | B | 833 | CLA | C4-C3-C5-C6 |
| 30 | 2 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 3 | 301 | CLA | C4-C3-C5-C6 |
| 30 | 3 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 4 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 307 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 304 | CLA | C4-C3-C5-C6 |
| 30 | 10 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 11 | 304 | CLA | C4-C3-C5-C6 |
| 30 | 15 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 16 | 303 | CLA | C4-C3-C5-C6 |
| 30 | A | 821 | CLA | C2-C3-C5-C6 |
| 30 | A | 833 | CLA | C2-C3-C5-C6 |
| 30 | A | 836 | CLA | C2-C3-C5-C6 |
| 30 | A | 842 | CLA | C2-C3-C5-C6 |
| 30 | B | 802 | CLA | C2-C3-C5-C6 |
| 30 | B | 806 | CLA | C2-C3-C5-C6 |
| 30 | B | 821 | CLA | C2-C3-C5-C6 |
| 30 | B | 831 | CLA | C2-C3-C5-C6 |
| 30 | B | 833 | CLA | C2-C3-C5-C6 |
| 30 | 3 | 301 | CLA | C2-C3-C5-C6 |
| 30 | 4 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 307 | CLA | C2-C3-C5-C6 |
| 30 | 7 | 304 | CLA | C2-C3-C5-C6 |
| 30 | 10 | 309 | CLA | C2-C3-C5-C6 |
| 30 | 15 | 303 | CLA | C2-C3-C5-C6 |
| 30 | 16 | 303 | CLA | C2-C3-C5-C6 |
| 37 | 15 | 316 | A86 | O5-C38-O4-C34 |
| 30 | A | 824 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 842 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 810 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 823 | CLA | C2A-CAA-CBA-CGA |
| 36 | 3 | 317 | LMG | O10-C28-O8-C9 |
| 30 | A | 811 | CLA | C3-C5-C6-C7 |
| 30 | B | 810 | CLA | C3-C5-C6-C7 |
| 30 | 1 | 307 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 314 | CLA | C3-C5-C6-C7 |
| 30 | 9 | 301 | CLA | C3-C5-C6-C7 |
| 30 | 9 | 305 | CLA | C3-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 10 | 308 | CLA | C3-C5-C6-C7 |
| 30 | 12 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 14 | 302 | CLA | C3-C5-C6-C7 |
| 30 | A | 815 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 820 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 821 | CLA | CBA-CGA-O2A-C1 |
| 30 | 7 | 306 | CLA | CBA-CGA-O2A-C1 |
| 30 | 10 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 306 | CLA | CBA-CGA-O2A-C1 |
| 30 | 14 | 302 | CLA | CBA-CGA-O2A-C1 |
| 36 | 2u | 204 | LMG | C29-C28-O8-C9 |
| 37 | 16 | 314 | A86 | O5-C38-O4-C34 |
| 37 | 2 | 302 | A86 | C39-C38-O4-C34 |
| 37 | 10 | 317 | A86 | O5-C38-O4-C34 |
| 37 | 14 | 317 | A86 | O5-C38-O4-C34 |
| 37 | 9 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 10 | 302 | A86 | C3-C4-C5-C6 |
| 37 | 10 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 11 | 314 | A86 | C11-C10-C9-C8 |
| 37 | 12 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 14 | 317 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 318 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 322 | A86 | C11-C10-C9-C8 |
| 37 | 15 | 323 | A86 | C1-C2-C3-C4 |
| 37 | 16 | 314 | A86 | C11-C10-C9-C8 |
| 39 | 2 | 317 | DD6 | C11-C10-C9-C8 |
| 39 | 4 | 313 | DD6 | C11-C10-C9-C8 |
| 39 | 6 | 321 | DD6 | C1-C2-C3-C4 |
| 39 | 9 | 314 | DD6 | C3-C4-C5-C6 |
| 39 | 12 | 317 | DD6 | C11-C10-C9-C8 |
| 39 | 13 | 314 | DD6 | C11-C10-C9-C8 |
| 39 | 15 | 318 | DD6 | C24-C25-C26-C27 |
| 39 | 15 | 319 | DD6 | C11-C10-C9-C8 |
| 30 | A | 815 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 821 | CLA | O1A-CGA-O2A-C1 |
| 30 | 14 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 307 | CLA | O1A-CGA-O2A-C1 |
| 30 | 16 | 306 | CLA | O1A-CGA-O2A-C1 |
| 36 | F | 205 | LMG | O9-C10-O7-C8 |
| 36 | F | 205 | LMG | C29-C28-O8-C9 |
| 36 | 8 | 320 | LMG | O6-C5-C6-O5 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 812 | CLA | C3-C5-C6-C7 |
| 30 | B | 821 | CLA | C3-C5-C6-C7 |
| 30 | B | 822 | CLA | C3-C5-C6-C7 |
| 30 | B | 823 | CLA | C3-C5-C6-C7 |
| 30 | B | 824 | CLA | C3-C5-C6-C7 |
| 30 | B | 832 | CLA | C3-C5-C6-C7 |
| 30 | 2 | 308 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 310 | CLA | C3-C5-C6-C7 |
| 30 | 8 | 305 | CLA | C3-C5-C6-C7 |
| 30 | 16 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 15 | 306 | CLA | CBD-CGD-O2D-CED |
| 38 | 7 | 308 | KC1 | CBD-CGD-O2D-CED |
| 34 | B | 848 | LHG | O2-C2-C3-O3 |
| 34 | 2 | 320 | LHG | O2-C2-C3-O3 |
| 30 | A | 829 | CLA | O1D-CGD-O2D-CED |
| 30 | 9 | 309 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 829 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 833 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 836 | CLA | CBA-CGA-O2A-C1 |
| 30 | 7 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 312 | CLA | CBA-CGA-O2A-C1 |
| 30 | 14 | 310 | CLA | CBA-CGA-O2A-C1 |
| 34 | 9 | 318 | LHG | C24-C23-O8-C6 |
| 37 | 14 | 316 | A86 | O5-C38-O4-C34 |
| 30 | 5 | 309 | CLA | O1A-CGA-O2A-C1 |
| 30 | 14 | 310 | CLA | O1D-CGD-O2D-CED |
| 37 | 8 | 315 | A86 | C39-C38-O4-C34 |
| 37 | 8 | 315 | A86 | O5-C38-O4-C34 |
| 36 | 3 | 317 | LMG | C4-C5-C6-O5 |
| 30 | 3 | 303 | CLA | CBD-CGD-O2D-CED |
| 36 | B | 849 | LMG | C11-C10-O7-C8 |
| 36 | F | 205 | LMG | C11-C10-O7-C8 |
| 36 | 8 | 320 | LMG | C11-C10-O7-C8 |
| 36 | 8 | 321 | LMG | C11-C10-O7-C8 |
| 30 | A | 820 | CLA | O1A-CGA-O2A-C1 |
| 30 | 10 | 309 | CLA | O1A-CGA-O2A-C1 |
| 35 | 9 | 317 | LMT | O5B-C5B-C6B-O6B |
| 36 | F | 205 | LMG | O6-C5-C6-O5 |
| 30 | 6 | 317 | CLA | O1D-CGD-O2D-CED |
| 30 | 5 | 311 | CLA | C3-C5-C6-C7 |
| 30 | 12 | 312 | CLA | C3-C5-C6-C7 |
| 30 | 13 | 302 | CLA | C3-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | A | 823 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 825 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 841 | CLA | CBD-CGD-O2D-CED |
| 30 | 13 | 302 | CLA | CBD-CGD-O2D-CED |
| 38 | 13 | 308 | KC1 | CBD-CGD-O2D-CED |
| 30 | B | 816 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | 16 | 306 | CLA | CBA-CGA-O2A-C1 |
| 36 | 3 | 317 | LMG | C29-C28-O8-C9 |
| 38 | 5 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 6 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 7 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 8 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 11 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 30 | A | 812 | CLA | C4-C3-C5-C6 |
| 30 | B | 816 | CLA | C4-C3-C5-C6 |
| 30 | B | 838 | CLA | C4-C3-C5-C6 |
| 30 | 1 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 5 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 314 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 302 | CLA | C4-C3-C5-C6 |
| 30 | 14 | 302 | CLA | C4-C3-C5-C6 |
| 30 | A | 812 | CLA | C2-C3-C5-C6 |
| 30 | A | 831 | CLA | C2-C3-C5-C6 |
| 30 | B | 816 | CLA | C2-C3-C5-C6 |
| 30 | B | 838 | CLA | C2-C3-C5-C6 |
| 30 | 3 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 314 | CLA | C2-C3-C5-C6 |
| 30 | 8 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 9 | 307 | CLA | C2-C3-C5-C6 |
| 30 | 11 | 304 | CLA | C2-C3-C5-C6 |
| 30 | 12 | 302 | CLA | C2-C3-C5-C6 |
| 30 | 14 | 302 | CLA | C2-C3-C5-C6 |
| 30 | A | 829 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 836 | CLA | O1A-CGA-O2A-C1 |
| 36 | A | 856 | LMG | O6-C5-C6-O5 |
| 36 | 3 | 317 | LMG | O6-C5-C6-O5 |
| 30 | 5 | 302 | CLA | CBD-CGD-O2D-CED |
| 30 | 9 | 303 | CLA | CBD-CGD-O2D-CED |
| 30 | 7 | 309 | CLA | C5-C6-C7-C8 |
| 36 | B | 847 | LMG | O6-C5-C6-O5 |
| 30 | A | 830 | CLA | C2A-CAA-CBA-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | A | 832 | CLA | C2A-CAA-CBA-CGA |
| 36 | F | 205 | LMG | O10-C28-O8-C9 |
| 30 | 12 | 308 | CLA | O1D-CGD-O2D-CED |
| 30 | 7 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 312 | CLA | O1A-CGA-O2A-C1 |
| 30 | 10 | 303 | CLA | C3-C5-C6-C7 |
| 37 | 9 | 315 | A86 | C39-C38-O4-C34 |
| 35 | A | 854 | LMT | O5'-C1'-O1'-C1 |
| 35 | A | 855 | LMT | O5'-C1'-O1'-C1 |
| 35 | 11 | 303 | LMT | O5'-C1'-O1'-C1 |
| 36 | B | 847 | LMG | O6-C1-O1-C7 |
| 36 | 2u | 204 | LMG | O6-C1-O1-C7 |
| 36 | 7 | 320 | LMG | O6-C1-O1-C7 |
| 30 | A | 805 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 823 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 310 | CLA | CBA-CGA-O2A-C1 |
| 30 | 13 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 810 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 822 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 804 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 809 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 831 | CLA | CBD-CGD-O2D-CED |
| 30 | 3 | 306 | CLA | CBD-CGD-O2D-CED |
| 30 | 5 | 303 | CLA | CBD-CGD-O2D-CED |
| 30 | 11 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | 12 | 321 | CLA | CBD-CGD-O2D-CED |
| 30 | 15 | 303 | CLA | CBD-CGD-O2D-CED |
| 38 | 8 | 306 | KC1 | CBD-CGD-O2D-CED |
| 37 | 7 | 319 | A86 | C35-C34-O4-C38 |
| 35 | 11 | 303 | LMT | O5B-C5B-C6B-O6B |
| 35 | 15 | 301 | LMT | O5B-C5B-C6B-O6B |
| 38 | 9 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 10 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 10 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 11 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 13 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 14 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 30 | A | 833 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 310 | CLA | O1A-CGA-O2A-C1 |
| 36 | 6 | 301 | LMG | O6-C5-C6-O5 |
| 37 | 14 | 314 | A86 | C39-C38-O4-C34 |
| 30 | B | 802 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 808 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 838 | CLA | CBD-CGD-O2D-CED |
| 30 | 8 | 305 | CLA | CBD-CGD-O2D-CED |
| 30 | 13 | 309 | CLA | CBD-CGD-O2D-CED |
| 38 | 6 | 311 | KC1 | CBD-CGD-O2D-CED |
| 30 | A | 811 | CLA | O1D-CGD-O2D-CED |
| 36 | 8 | 320 | LMG | C4-C5-C6-O5 |
| 37 | 5 | 301 | A86 | C11-C10-C9-C8 |
| 37 | 8 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 10 | 302 | A86 | C1-C2-C3-C4 |
| 37 | 10 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 10 | 317 | A86 | C3-C4-C5-C6 |
| 37 | 12 | 314 | A86 | C11-C10-C9-C8 |
| 37 | 14 | 317 | A86 | C11-C10-C9-C8 |
| 37 | 15 | 316 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 317 | A86 | C24-C25-C26-C27 |
| 39 | 3 | 316 | DD6 | C11-C10-C9-C8 |
| 39 | 4 | 316 | DD6 | C24-C25-C26-C27 |
| 39 | 6 | 319 | DD6 | C11-C10-C9-C8 |
| 30 | B | 816 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 807 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 811 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 832 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 811 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 813 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 818 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 826 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 829 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2u | 202 | CLA | CBA-CGA-O2A-C1 |
| 30 | 1 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 1 | 305 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 306 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | 5 | 308 | CLA | CBA-CGA-O2A-C1 |
| 30 | 7 | 311 | CLA | CBA-CGA-O2A-C1 |
| 30 | 8 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 9 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 11 | 310 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 304 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 16 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 5 | 311 | CLA | CBD-CGD-O2D-CED |
| 38 | 11 | 311 | KC1 | CBD-CGD-O2D-CED |
| 30 | B | 822 | CLA | O1D-CGD-O2D-CED |
| 38 | 5 | 312 | KC1 | O1D-CGD-O2D-CED |
| 36 | F | 205 | LMG | C4-C5-C6-O5 |
| 30 | 1 | 305 | CLA | O1A-CGA-O2A-C1 |
| 38 | 4 | 307 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 5 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 6 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 6 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 7 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 7 | 313 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 8 | 313 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 9 | 304 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 9 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 10 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 10 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 11 | 307 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 11 | 307 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 11 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 12 | 313 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 14 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 14 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 14 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 30 | 9 | 307 | CLA | C4-C3-C5-C6 |
| 30 | B | 811 | CLA | C2-C3-C5-C6 |
| 30 | 1 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 2 | 309 | CLA | C2-C3-C5-C6 |
| 30 | 5 | 303 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 309 | CLA | C2-C3-C5-C6 |
| 30 | A | 843 | CLA | C3-C5-C6-C7 |
| 30 | 10 | 305 | CLA | C3-C5-C6-C7 |
| 30 | A | 816 | CLA | C14-C13-C15-C16 |
| 30 | A | 833 | CLA | C11-C10-C8-C9 |
| 30 | B | 828 | CLA | C11-C12-C13-C14 |
| 30 | F | 202 | CLA | C6-C7-C8-C9 |
| 30 | 1 | 307 | CLA | C6-C7-C8-C9 |
| 30 | 3 | 307 | CLA | C11-C12-C13-C14 |
| 30 | 4 | 302 | CLA | C11-C12-C13-C14 |
| 30 | 10 | 308 | CLA | C11-C10-C8-C9 |
| 30 | 11 | 309 | CLA | C11-C10-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 12 | 304 | CLA | C11-C12-C13-C14 |
| 30 | 16 | 303 | CLA | C11-C12-C13-C14 |
| 35 | 12 | 318 | LMT | O5B-C5B-C6B-O6B |
| 36 | B | 847 | LMG | C4-C5-C6-O5 |
| 35 | A | 854 | LMT | C2'-C1'-O1'-C1 |
| 35 | A | 855 | LMT | C2'-C1'-O1'-C1 |
| 35 | 11 | 303 | LMT | C2'-C1'-O1'-C1 |
| 34 | A | 853 | LHG | O2-C2-C3-O3 |
| 30 | B | 813 | CLA | O1A-CGA-O2A-C1 |
| 30 | 8 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 828 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 835 | CLA | O1D-CGD-O2D-CED |
| 33 | A | 848 | BCR | C11-C12-C13-C35 |
| 33 | A | 850 | BCR | C7-C8-C9-C34 |
| 33 | A | 851 | BCR | C37-C22-C23-C24 |
| 33 | B | 841 | BCR | C7-C8-C9-C34 |
| 33 | B | 843 | BCR | C7-C8-C9-C34 |
| 33 | B | 844 | BCR | C7-C8-C9-C34 |
| 33 | B | 845 | BCR | C11-C12-C13-C35 |
| 33 | F | 204 | BCR | C7-C8-C9-C34 |
| 33 | F | 204 | BCR | C37-C22-C23-C24 |
| 33 | J | 102 | BCR | C11-C12-C13-C35 |
| 33 | L | 205 | BCR | C7-C8-C9-C34 |
| 33 | M | 101 | BCR | C7-C8-C9-C34 |
| 37 | 2u | 203 | A86 | C7-C6-C8-C9 |
| 37 | 6 | 320 | A86 | C-C1-C24-C25 |
| 37 | 6 | 320 | A86 | C7-C6-C8-C9 |
| 37 | 8 | 318 | A86 | C7-C6-C8-C9 |
| 37 | 9 | 313 | A86 | C-C1-C24-C25 |
| 37 | 9 | 316 | A86 | C-C1-C24-C25 |
| 37 | 10 | 302 | A86 | C-C1-C24-C25 |
| 37 | 10 | 316 | A86 | C-C1-C24-C25 |
| 37 | 10 | 316 | A86 | C7-C6-C8-C9 |
| 37 | 11 | 315 | A86 | C-C1-C24-C25 |
| 37 | 11 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 13 | 315 | A86 | C-C1-C24-C25 |
| 37 | 14 | 314 | A86 | C-C1-C24-C25 |
| 37 | 14 | 314 | A86 | C7-C6-C8-C9 |
| 37 | 14 | 317 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 323 | A86 | C7-C6-C8-C9 |
| 37 | 16 | 312 | A86 | C7-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 16 | 314 | A86 | C7-C6-C8-C9 |
| 39 | 2 | 315 | DD6 | C-C1-C24-C25 |
| 39 | 2 | 317 | DD6 | C-C1-C24-C25 |
| 39 | 3 | 312 | DD6 | C-C1-C24-C25 |
| 39 | 3 | 312 | DD6 | C7-C6-C8-C9 |
| 39 | 3 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 3 | 313 | DD6 | C7-C6-C8-C9 |
| 39 | 3 | 316 | DD6 | C12-C11-C13-C14 |
| 39 | 4 | 313 | DD6 | C12-C11-C13-C14 |
| 39 | 5 | 313 | DD6 | C12-C11-C13-C14 |
| 39 | 5 | 314 | DD6 | C12-C11-C13-C14 |
| 39 | 6 | 318 | DD6 | C-C1-C24-C25 |
| 39 | 6 | 318 | DD6 | C7-C6-C8-C9 |
| 39 | 6 | 321 | DD6 | C12-C11-C13-C14 |
| 39 | 7 | 317 | DD6 | C7-C6-C8-C9 |
| 39 | 7 | 318 | DD6 | C12-C11-C13-C14 |
| 39 | 8 | 316 | DD6 | C-C1-C24-C25 |
| 39 | 8 | 317 | DD6 | C-C1-C24-C25 |
| 39 | 9 | 314 | DD6 | C7-C6-C8-C9 |
| 39 | 10 | 313 | DD6 | C12-C11-C13-C14 |
| 39 | 10 | 314 | DD6 | C-C1-C24-C25 |
| 39 | 10 | 314 | DD6 | C12-C11-C13-C14 |
| 39 | 10 | 314 | DD6 | C7-C6-C8-C9 |
| 39 | 11 | 313 | DD6 | C12-C11-C13-C14 |
| 39 | 12 | 315 | DD6 | C-C1-C24-C25 |
| 39 | 12 | 317 | DD6 | C-C1-C24-C25 |
| 39 | 15 | 318 | DD6 | C12-C11-C13-C14 |
| 39 | 15 | 319 | DD6 | C12-C11-C13-C14 |
| 39 | 15 | 319 | DD6 | C7-C6-C8-C9 |
| 39 | 16 | 313 | DD6 | C-C1-C24-C25 |
| 39 | 16 | 313 | DD6 | C12-C11-C13-C14 |
| 33 | A | 851 | BCR | C21-C22-C23-C24 |
| 37 | 1 | 309 | A86 | C5-C6-C8-C9 |
| 37 | 6 | 320 | A86 | C5-C6-C8-C9 |
| 37 | 7 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 8 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 8 | 318 | A86 | C5-C6-C8-C9 |
| 37 | 9 | 316 | A86 | C2-C1-C24-C25 |
| 37 | 10 | 302 | A86 | C2-C1-C24-C25 |
| 37 | 10 | 316 | A86 | C2-C1-C24-C25 |
| 37 | 13 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 314 | A86 | C5-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 14 | 316 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 317 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 323 | A86 | C5-C6-C8-C9 |
| 37 | 16 | 312 | A86 | C5-C6-C8-C9 |
| 39 | 3 | 313 | DD6 | C10-C11-C13-C14 |
| 39 | 3 | 316 | DD6 | C2-C1-C24-C25 |
| 39 | 4 | 313 | DD6 | C5-C6-C8-C9 |
| 39 | 6 | 319 | DD6 | C10-C11-C13-C14 |
| 39 | 6 | 319 | DD6 | C5-C6-C8-C9 |
| 39 | 7 | 302 | DD6 | C10-C11-C13-C14 |
| 39 | 7 | 318 | DD6 | C5-C6-C8-C9 |
| 39 | 8 | 316 | DD6 | C10-C11-C13-C14 |
| 39 | 16 | 313 | DD6 | C10-C11-C13-C14 |
| 30 | 4 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 6 | 314 | CLA | C2A-CAA-CBA-CGA |
| 30 | 8 | 308 | CLA | C2A-CAA-CBA-CGA |
| 30 | 16 | 310 | CLA | C2A-CAA-CBA-CGA |
| 36 | B | 847 | LMG | C28-C29-C30-C31 |
| 37 | 8 | 318 | A86 | C39-C38-O4-C34 |
| 30 | A | 832 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 306 | CLA | O1A-CGA-O2A-C1 |
| 30 | 16 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2u | 202 | CLA | C3-C5-C6-C7 |
| 30 | 4 | 302 | CLA | C3-C5-C6-C7 |
| 35 | 11 | 303 | LMT | C4B-C5B-C6B-O6B |
| 36 | A | 856 | LMG | C4-C5-C6-O5 |
| 36 | 6 | 301 | LMG | C4-C5-C6-O5 |
| 37 | 7 | 319 | A86 | C33-C34-O4-C38 |
| 37 | 11 | 315 | A86 | C35-C34-O4-C38 |
| 38 | 5 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 8 | 307 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 9 | 304 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 9 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 9 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 9 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 11 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 13 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 13 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 13 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 30 | A | 831 | CLA | CBA-CGA-O2A-C1 |
| 30 | 1 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 303 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 8 | 308 | CLA | CBA-CGA-O2A-C1 |
| 30 | 9 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 306 | CLA | C10-C11-C12-C13 |
| 38 | 10 | 306 | KC1 | O1D-CGD-O2D-CED |
| 30 | B | 826 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 811 | CLA | C8-C10-C11-C12 |
| 30 | A | 821 | CLA | C10-C11-C12-C13 |
| 30 | A | 822 | CLA | C8-C10-C11-C12 |
| 30 | A | 829 | CLA | C10-C11-C12-C13 |
| 30 | A | 844 | CLA | C10-C11-C12-C13 |
| 30 | B | 806 | CLA | C15-C16-C17-C18 |
| 30 | B | 838 | CLA | C8-C10-C11-C12 |
| 30 | 8 | 301 | CLA | C10-C11-C12-C13 |
| 30 | 10 | 303 | CLA | C15-C16-C17-C18 |
| 30 | 14 | 302 | CLA | C13-C15-C16-C17 |
| 35 | A | 854 | LMT | O5B-C5B-C6B-O6B |
| 30 | 9 | 307 | CLA | C3-C5-C6-C7 |
| 30 | 7 | 311 | CLA | O1A-CGA-O2A-C1 |
| 30 | 9 | 309 | CLA | O1A-CGA-O2A-C1 |
| 31 | A | 845 | PQN | C23-C25-C26-C27 |
| 30 | B | 810 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 839 | CLA | CBD-CGD-O2D-CED |
| 30 | 12 | 303 | CLA | CBD-CGD-O2D-CED |
| 30 | 12 | 307 | CLA | CBD-CGD-O2D-CED |
| 30 | F | 202 | CLA | C11-C10-C8-C7 |
| 30 | 15 | 304 | CLA | C11-C12-C13-C15 |
| 38 | 13 | 305 | KC1 | O1D-CGD-O2D-CED |
| 30 | 7 | 304 | CLA | CBA-CGA-O2A-C1 |
| 38 | 4 | 307 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 5 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 6 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 7 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 8 | 307 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 9 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 12 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 30 | 2 | 305 | CLA | C15-C16-C17-C18 |
| 30 | 3 | 307 | CLA | O1D-CGD-O2D-CED |
| 37 | 1 | 309 | A86 | C24-C25-C26-C27 |
| 37 | 2 | 319 | A86 | C11-C10-C9-C8 |
| 37 | 3 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 4 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 7 | 315 | A86 | C11-C10-C9-C8 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 7 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 9 | 313 | A86 | C24-C25-C26-C27 |
| 37 | 9 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 10 | 315 | A86 | C1-C2-C3-C4 |
| 37 | 10 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 10 | 317 | A86 | C1-C2-C3-C4 |
| 37 | 11 | 314 | A86 | C24-C25-C26-C27 |
| 37 | 11 | 314 | A86 | C3-C4-C5-C6 |
| 37 | 11 | 316 | A86 | C11-C10-C9-C8 |
| 37 | 13 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 13 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 13 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 14 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 14 | 318 | A86 | C11-C10-C9-C8 |
| 37 | 14 | 319 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 317 | A86 | C11-C10-C9-C8 |
| 39 | 4 | 316 | DD6 | C1-C2-C3-C4 |
| 39 | 7 | 318 | DD6 | C24-C25-C26-C27 |
| 39 | 11 | 313 | DD6 | C11-C10-C9-C8 |
| 39 | 11 | 313 | DD6 | C3-C4-C5-C6 |
| 30 | 12 | 310 | CLA | C3-C5-C6-C7 |
| 30 | 13 | 301 | CLA | C3-C5-C6-C7 |
| 30 | 16 | 301 | CLA | C3-C5-C6-C7 |
| 30 | A | 829 | CLA | C8-C10-C11-C12 |
| 30 | A | 843 | CLA | C5-C6-C7-C8 |
| 30 | B | 806 | CLA | C10-C11-C12-C13 |
| 30 | 2 | 304 | CLA | C13-C15-C16-C17 |
| 30 | 8 | 302 | CLA | C13-C15-C16-C17 |
| 30 | 13 | 302 | CLA | C13-C15-C16-C17 |
| 30 | 15 | 304 | CLA | C8-C10-C11-C12 |
| 36 | 5 | 318 | LMG | C28-C29-C30-C31 |
| 36 | 7 | 320 | LMG | C28-C29-C30-C31 |
| 30 | A | 805 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 823 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 811 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2 | 309 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 307 | CLA | O1A-CGA-O2A-C1 |
| 30 | 8 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | 11 | 310 | CLA | O1A-CGA-O2A-C1 |
| 36 | 7 | 320 | LMG | O10-C28-O8-C9 |
| 30 | 4 | 306 | CLA | CBD-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 5 | 308 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 804 | CLA | C8-C10-C11-C12 |
| 30 | A | 815 | CLA | C5-C6-C7-C8 |
| 30 | B | 805 | CLA | C13-C15-C16-C17 |
| 30 | B | 809 | CLA | C13-C15-C16-C17 |
| 30 | B | 811 | CLA | C5-C6-C7-C8 |
| 30 | 1 | 307 | CLA | C5-C6-C7-C8 |
| 30 | 2 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 2 | 307 | CLA | C10-C11-C12-C13 |
| 30 | 6 | 306 | CLA | C13-C15-C16-C17 |
| 30 | 6 | 309 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 310 | CLA | C8-C10-C11-C12 |
| 30 | 11 | 308 | CLA | C8-C10-C11-C12 |
| 30 | 13 | 307 | CLA | C10-C11-C12-C13 |
| 30 | 14 | 302 | CLA | C10-C11-C12-C13 |
| 30 | 16 | 302 | CLA | C8-C10-C11-C12 |
| 35 | A | 854 | LMT | C4B-C5B-C6B-O6B |
| 30 | A | 802 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 817 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 825 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 817 | CLA | C2A-CAA-CBA-CGA |
| 30 | 1 | 307 | CLA | C2A-CAA-CBA-CGA |
| 30 | 2 | 303 | CLA | C2A-CAA-CBA-CGA |
| 30 | 2 | 313 | CLA | C2A-CAA-CBA-CGA |
| 30 | 4 | 306 | CLA | C2A-CAA-CBA-CGA |
| 30 | 6 | 317 | CLA | C2A-CAA-CBA-CGA |
| 30 | 7 | 305 | CLA | C2A-CAA-CBA-CGA |
| 30 | 7 | 312 | CLA | C2A-CAA-CBA-CGA |
| 30 | 15 | 307 | CLA | C2A-CAA-CBA-CGA |
| 30 | 15 | 314 | CLA | C2A-CAA-CBA-CGA |
| 38 | 3 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 30 | A | 812 | CLA | C5-C6-C7-C8 |
| 30 | A | 812 | CLA | C13-C15-C16-C17 |
| 30 | A | 834 | CLA | C5-C6-C7-C8 |
| 30 | A | 839 | CLA | C8-C10-C11-C12 |
| 30 | B | 809 | CLA | C10-C11-C12-C13 |
| 30 | B | 810 | CLA | C10-C11-C12-C13 |
| 30 | 1 | 302 | CLA | C13-C15-C16-C17 |
| 30 | 1 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 1 | 305 | CLA | C15-C16-C17-C18 |
| 30 | 2 | 301 | CLA | C15-C16-C17-C18 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 2 | 303 | CLA | C5-C6-C7-C8 |
| 30 | 2 | 311 | CLA | C8-C10-C11-C12 |
| 30 | 2 | 311 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 6 | 306 | CLA | C8-C10-C11-C12 |
| 30 | 8 | 302 | CLA | C15-C16-C17-C18 |
| 30 | 10 | 305 | CLA | C15-C16-C17-C18 |
| 35 | B | 852 | LMT | O5B-C5B-C6B-O6B |
| 37 | 12 | 316 | A86 | C35-C34-O4-C38 |
| 37 | 14 | 301 | A86 | C33-C34-O4-C38 |
| 30 | A | 807 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2u | 202 | CLA | O1A-CGA-O2A-C1 |
| 36 | 2u | 204 | LMG | O10-C28-O8-C9 |
| 30 | 4 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 14 | 307 | CLA | C3-C5-C6-C7 |
| 36 | 5 | 318 | LMG | O6-C1-O1-C7 |
| 30 | A | 816 | CLA | C8-C10-C11-C12 |
| 30 | A | 826 | CLA | C13-C15-C16-C17 |
| 30 | A | 828 | CLA | C10-C11-C12-C13 |
| 30 | B | 813 | CLA | C15-C16-C17-C18 |
| 30 | B | 819 | CLA | C13-C15-C16-C17 |
| 30 | B | 851 | CLA | C13-C15-C16-C17 |
| 30 | 3 | 302 | CLA | C10-C11-C12-C13 |
| 30 | 3 | 303 | CLA | C8-C10-C11-C12 |
| 30 | 4 | 306 | CLA | C5-C6-C7-C8 |
| 30 | 5 | 307 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 309 | CLA | C15-C16-C17-C18 |
| 30 | 7 | 303 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 306 | CLA | C5-C6-C7-C8 |
| 30 | 7 | 307 | CLA | C15-C16-C17-C18 |
| 30 | 11 | 310 | CLA | C10-C11-C12-C13 |
| 30 | 12 | 312 | CLA | C8-C10-C11-C12 |
| 35 | 11 | 303 | LMT | O1'-C1-C2-C3 |
| 30 | A | 817 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 833 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 302 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 811 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 826 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | 13 | 307 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 304 | CLA | O1A-CGA-O2A-C1 |
| 30 | 14 | 303 | CLA | C8-C10-C11-C12 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | A | 803 | CLA | C13-C15-C16-C17 |
| 30 | 1 | 302 | CLA | C8-C10-C11-C12 |
| 30 | 7 | 307 | CLA | C13-C15-C16-C17 |
| 30 | 12 | 306 | CLA | C10-C11-C12-C13 |
| 30 | 13 | 302 | CLA | C8-C10-C11-C12 |
| 30 | 15 | 302 | CLA | C5-C6-C7-C8 |
| 30 | 16 | 301 | CLA | C13-C15-C16-C17 |
| 30 | 1 | 303 | CLA | C3-C5-C6-C7 |
| 30 | 12 | 304 | CLA | C3-C5-C6-C7 |
| 30 | 1 | 302 | CLA | O1D-CGD-O2D-CED |
| 38 | 5 | 306 | KC1 | O1D-CGD-O2D-CED |
| 38 | 11 | 307 | KC1 | O1D-CGD-O2D-CED |
| 30 | A | 803 | CLA | C10-C11-C12-C13 |
| 30 | B | 813 | CLA | C8-C10-C11-C12 |
| 30 | 3 | 305 | CLA | C8-C10-C11-C12 |
| 30 | 5 | 304 | CLA | C13-C15-C16-C17 |
| 30 | 7 | 303 | CLA | C8-C10-C11-C12 |
| 30 | 9 | 309 | CLA | C10-C11-C12-C13 |
| 30 | 15 | 313 | CLA | C5-C6-C7-C8 |
| 38 | 3 | 304 | KC1 | CAA-CBA-CGA-O2A |
| 30 | B | 833 | CLA | CBD-CGD-O2D-CED |
| 30 | 6 | 309 | CLA | C4-C3-C5-C6 |
| 30 | A | 831 | CLA | O1A-CGA-O2A-C1 |
| 30 | 1 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | 7 | 304 | CLA | O1A-CGA-O2A-C1 |
| 35 | 6 | 302 | LMT | O1'-C1-C2-C3 |
| 38 | 8 | 311 | KC1 | O1D-CGD-O2D-CED |
| 30 | A | 805 | CLA | C5-C6-C7-C8 |
| 30 | B | 824 | CLA | C13-C15-C16-C17 |
| 30 | F | 201 | CLA | C15-C16-C17-C18 |
| 30 | 9 | 307 | CLA | C15-C16-C17-C18 |
| 30 | 10 | 309 | CLA | C5-C6-C7-C8 |
| 30 | 14 | 302 | CLA | C15-C16-C17-C18 |
| 30 | 9 | 308 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 308 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 809 | CLA | CBD-CGD-O2D-CED |
| 30 | 15 | 311 | CLA | CBD-CGD-O2D-CED |
| 36 | 8 | 319 | LMG | C11-C10-O7-C8 |
| 38 | 1 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 4 | 308 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 4 | 310 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 13 | 311 | KC1 | C2A-CAA-CBA-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 13 | 312 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 14 | 311 | KC1 | C2A-CAA-CBA-CGA |
| 37 | 12 | 316 | A86 | C33-C34-O4-C38 |
| 30 | B | 829 | CLA | O1A-CGA-O2A-C1 |
| 30 | 1 | 307 | CLA | O1A-CGA-O2A-C1 |
| 38 | 13 | 306 | KC1 | O1D-CGD-O2D-CED |
| 35 | 9 | 317 | LMT | C4B-C5B-C6B-O6B |
| 30 | 2u | 202 | CLA | C13-C15-C16-C17 |
| 30 | 6 | 309 | CLA | C15-C16-C17-C18 |
| 30 | 12 | 302 | CLA | C3-C5-C6-C7 |
| 37 | 8 | 318 | A86 | C24-C25-C26-C27 |
| 37 | 11 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 11 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 12 | 316 | A86 | C11-C10-C9-C8 |
| 37 | 15 | 317 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 320 | A86 | C1-C2-C3-C4 |
| 37 | 15 | 320 | A86 | C3-C4-C5-C6 |
| 37 | 15 | 323 | A86 | C3-C4-C5-C6 |
| 39 | 3 | 316 | DD6 | C1-C2-C3-C4 |
| 39 | 7 | 318 | DD6 | C11-C10-C9-C8 |
| 30 | B | 807 | CLA | C15-C16-C17-C18 |
| 30 | 1 | 303 | CLA | C10-C11-C12-C13 |
| 31 | A | 845 | PQN | C25-C26-C27-C28 |
| 36 | 6 | 301 | LMG | O9-C10-O7-C8 |
| 30 | 14 | 312 | CLA | C2A-CAA-CBA-CGA |
| 30 | 16 | 307 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 813 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 819 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 838 | CLA | CBA-CGA-O2A-C1 |
| 30 | 6 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 9 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 805 | CLA | C8-C10-C11-C12 |
| 30 | A | 809 | CLA | C5-C6-C7-C8 |
| 30 | A | 843 | CLA | C13-C15-C16-C17 |
| 30 | F | 201 | CLA | C13-C15-C16-C17 |
| 30 | 2 | 307 | CLA | C13-C15-C16-C17 |
| 30 | 6 | 304 | CLA | C13-C15-C16-C17 |
| 30 | 6 | 310 | CLA | C13-C15-C16-C17 |
| 30 | 7 | 311 | CLA | C15-C16-C17-C18 |
| 30 | 9 | 308 | CLA | C5-C6-C7-C8 |
| 30 | 11 | 308 | CLA | C10-C11-C12-C13 |
| 31 | B | 840 | PQN | C23-C25-C26-C27 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 13 | 301 | CLA | CBD-CGD-O2D-CED |
| 38 | 9 | 311 | KC1 | CBD-CGD-O2D-CED |
| 30 | A | 820 | CLA | O1D-CGD-O2D-CED |
| 30 | 3 | 303 | CLA | O1D-CGD-O2D-CED |
| 30 | 11 | 310 | CLA | O1D-CGD-O2D-CED |
| 36 | B | 849 | LMG | C10-C11-C12-C13 |
| 30 | A | 811 | CLA | C10-C11-C12-C13 |
| 30 | F | 202 | CLA | C10-C11-C12-C13 |
| 30 | 2 | 304 | CLA | C8-C10-C11-C12 |
| 30 | 2 | 308 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 311 | CLA | C8-C10-C11-C12 |
| 30 | 8 | 303 | CLA | C10-C11-C12-C13 |
| 30 | 9 | 305 | CLA | C10-C11-C12-C13 |
| 30 | 13 | 302 | CLA | C5-C6-C7-C8 |
| 30 | 13 | 302 | CLA | C10-C11-C12-C13 |
| 37 | 14 | 318 | A86 | O5-C38-O4-C34 |
| 30 | A | 820 | CLA | C8-C10-C11-C12 |
| 30 | A | 826 | CLA | C10-C11-C12-C13 |
| 30 | A | 834 | CLA | C15-C16-C17-C18 |
| 30 | B | 825 | CLA | C13-C15-C16-C17 |
| 30 | 1 | 305 | CLA | C13-C15-C16-C17 |
| 30 | 2 | 308 | CLA | C13-C15-C16-C17 |
| 30 | 5 | 309 | CLA | C8-C10-C11-C12 |
| 30 | 8 | 302 | CLA | C5-C6-C7-C8 |
| 30 | 16 | 305 | CLA | CBA-CGA-O2A-C1 |
| 38 | 2 | 314 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 6 | 313 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 8 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 8 | 314 | KC1 | CAA-CBA-CGA-O2A |
| 35 | 16 | 315 | LMT | C5'-C4'-O1B-C1B |
| 30 | B | 832 | CLA | C15-C16-C17-C18 |
| 30 | 16 | 303 | CLA | C15-C16-C17-C18 |
| 36 | 7 | 320 | LMG | C11-C10-O7-C8 |
| 35 | 15 | 301 | LMT | C4B-C5B-C6B-O6B |
| 38 | 7 | 308 | KC1 | O1D-CGD-O2D-CED |
| 35 | B | 852 | LMT | C2'-C1'-O1'-C1 |
| 35 | 9 | 317 | LMT | C2'-C1'-O1'-C1 |
| 36 | B | 849 | LMG | C2-C1-O1-C7 |
| 36 | 3 | 317 | LMG | C2-C1-O1-C7 |
| 36 | 5 | 318 | LMG | C2-C1-O1-C7 |
| 36 | 7 | 320 | LMG | C2-C1-O1-C7 |
| 30 | 8 | 301 | CLA | O1D-CGD-O2D-CED |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 814 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 834 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 833 | CLA | O1A-CGA-O2A-C1 |
| 30 | 9 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | 13 | 302 | CLA | O1D-CGD-O2D-CED |
| 33 | A | 848 | BCR | C16-C17-C18-C36 |
| 33 | B | 843 | BCR | C20-C21-C22-C37 |
| 33 | B | 844 | BCR | C16-C17-C18-C36 |
| 33 | B | 845 | BCR | C11-C10-C9-C34 |
| 33 | B | 846 | BCR | C11-C10-C9-C34 |
| 33 | B | 846 | BCR | C20-C21-C22-C37 |
| 33 | L | 201 | BCR | C20-C21-C22-C37 |
| 33 | L | 204 | BCR | C20-C21-C22-C37 |
| 33 | M | 101 | BCR | C20-C21-C22-C37 |
| 39 | 2 | 317 | DD6 | C9-C10-C11-C12 |
| 39 | 2 | 317 | DD6 | C4-C5-C6-C7 |
| 39 | 6 | 319 | DD6 | C9-C10-C11-C12 |
| 39 | 6 | 321 | DD6 | C4-C5-C6-C7 |
| 39 | 8 | 317 | DD6 | C9-C10-C11-C12 |
| 39 | 15 | 318 | DD6 | C-C1-C2-C3 |
| 38 | 1 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 3 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 6 | 313 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 13 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 13 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 30 | B | 851 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 833 | CLA | C5-C6-C7-C8 |
| 33 | B | 841 | BCR | C37-C22-C23-C24 |
| 33 | I | 101 | BCR | C37-C22-C23-C24 |
| 33 | J | 103 | BCR | C37-C22-C23-C24 |
| 33 | L | 205 | BCR | C37-C22-C23-C24 |
| 37 | 1 | 309 | A86 | C7-C6-C8-C9 |
| 37 | 2 | 302 | A86 | C-C1-C24-C25 |
| 37 | 2 | 318 | A86 | C-C1-C24-C25 |
| 37 | 4 | 312 | A86 | C7-C6-C8-C9 |
| 37 | 4 | 317 | A86 | C-C1-C24-C25 |
| 37 | 14 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 14 | 318 | A86 | C7-C6-C8-C9 |
| 37 | 14 | 320 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 315 | A86 | C-C1-C24-C25 |
| 37 | 15 | 316 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 321 | A86 | C7-C6-C8-C9 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 2 | 317 | DD6 | C12-C11-C13-C14 |
| 39 | 6 | 303 | DD6 | C12-C11-C13-C14 |
| 39 | 7 | 317 | DD6 | C12-C11-C13-C14 |
| 39 | 10 | 313 | DD6 | C7-C6-C8-C9 |
| 39 | 12 | 315 | DD6 | C7-C6-C8-C9 |
| 39 | 15 | 319 | DD6 | C-C1-C24-C25 |
| 33 | L | 201 | BCR | C7-C8-C9-C10 |
| 33 | L | 204 | BCR | C21-C22-C23-C24 |
| 33 | L | 205 | BCR | C7-C8-C9-C10 |
| 37 | 2 | 302 | A86 | C2-C1-C24-C25 |
| 37 | 2 | 318 | A86 | C2-C1-C24-C25 |
| 37 | 4 | 317 | A86 | C2-C1-C24-C25 |
| 37 | 8 | 318 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 14 | 318 | A86 | C5-C6-C8-C9 |
| 37 | 14 | 320 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 315 | A86 | C2-C1-C24-C25 |
| 37 | 15 | 316 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 322 | A86 | C5-C6-C8-C9 |
| 39 | 2 | 316 | DD6 | C5-C6-C8-C9 |
| 39 | 4 | 316 | DD6 | C2-C1-C24-C25 |
| 39 | 6 | 303 | DD6 | C5-C6-C8-C9 |
| 39 | 6 | 318 | DD6 | C10-C11-C13-C14 |
| 39 | 7 | 318 | DD6 | C10-C11-C13-C14 |
| 39 | 11 | 313 | DD6 | C10-C11-C13-C14 |
| 39 | 15 | 318 | DD6 | C2-C1-C24-C25 |
| 30 | B | 819 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 838 | CLA | O1A-CGA-O2A-C1 |
| 30 | 9 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 806 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 812 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 821 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 802 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 803 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 830 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 837 | CLA | C2A-CAA-CBA-CGA |
| 30 | 3 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 7 | 310 | CLA | C2A-CAA-CBA-CGA |
| 34 | A | 852 | LHG | O1-C1-C2-C3 |
| 34 | A | 853 | LHG | O1-C1-C2-C3 |
| 34 | 5 | 317 | LHG | O1-C1-C2-C3 |
| 34 | 6 | 322 | LHG | O1-C1-C2-C3 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 830 | CLA | CBD-CGD-O2D-CED |
| 37 | 11 | 314 | A86 | C1-C2-C3-C4 |
| 39 | 3 | 312 | DD6 | C24-C25-C26-C27 |
| 30 | B | 851 | CLA | C16-C17-C18-C20 |
| 30 | 10 | 308 | CLA | C16-C17-C18-C19 |
| 30 | 10 | 308 | CLA | C16-C17-C18-C20 |
| 30 | 13 | 301 | CLA | C16-C17-C18-C19 |
| 30 | 16 | 302 | CLA | C16-C17-C18-C19 |
| 30 | 16 | 302 | CLA | C16-C17-C18-C20 |
| 30 | 15 | 306 | CLA | O1D-CGD-O2D-CED |
| 38 | 13 | 308 | KC1 | O1D-CGD-O2D-CED |
| 30 | A | 817 | CLA | O1A-CGA-O2A-C1 |
| 30 | 5 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 807 | CLA | C3-C5-C6-C7 |
| 30 | 5 | 304 | CLA | C5-C6-C7-C8 |
| 37 | 2 | 302 | A86 | O5-C38-O4-C34 |
| 33 | A | 849 | BCR | C16-C17-C18-C19 |
| 33 | A | 850 | BCR | C20-C21-C22-C23 |
| 33 | B | 843 | BCR | C20-C21-C22-C23 |
| 33 | B | 845 | BCR | C12-C13-C14-C15 |
| 33 | F | 204 | BCR | C12-C13-C14-C15 |
| 33 | J | 102 | BCR | C20-C21-C22-C23 |
| 33 | J | 103 | BCR | C11-C10-C9-C8 |
| 33 | L | 204 | BCR | C11-C10-C9-C8 |
| 39 | 1 | 310 | DD6 | C24-C1-C2-C3 |
| 39 | 1 | 310 | DD6 | C9-C10-C11-C13 |
| 39 | 2 | 316 | DD6 | C24-C1-C2-C3 |
| 39 | 2 | 317 | DD6 | C4-C5-C6-C8 |
| 39 | 3 | 312 | DD6 | C4-C5-C6-C8 |
| 39 | 3 | 316 | DD6 | C9-C10-C11-C13 |
| 39 | 5 | 313 | DD6 | C4-C5-C6-C8 |
| 39 | 6 | 303 | DD6 | C24-C1-C2-C3 |
| 39 | 6 | 319 | DD6 | C9-C10-C11-C13 |
| 39 | 6 | 321 | DD6 | C9-C10-C11-C13 |
| 39 | 7 | 302 | DD6 | C9-C10-C11-C13 |
| 39 | 8 | 317 | DD6 | C24-C1-C2-C3 |
| 39 | 12 | 315 | DD6 | C24-C1-C2-C3 |
| 39 | 13 | 314 | DD6 | C4-C5-C6-C8 |
| 39 | 15 | 318 | DD6 | C4-C5-C6-C8 |
| 39 | 16 | 313 | DD6 | C4-C5-C6-C8 |
| 35 | B | 852 | LMT | O5'-C1'-O1'-C1 |
| 38 | 1 | 306 | KC1 | CAA-CBA-CGA-O1A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 3 | 304 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 8 | 314 | KC1 | CAA-CBA-CGA-O1A |
| 30 | 10 | 305 | CLA | C8-C10-C11-C12 |
| 30 | A | 841 | CLA | O1D-CGD-O2D-CED |
| 30 | 8 | 304 | CLA | CBA-CGA-O2A-C1 |
| 34 | 2 | 320 | LHG | C24-C23-O8-C6 |
| 35 | 16 | 315 | LMT | C3'-C4'-O1B-C1B |
| 30 | B | 828 | CLA | C10-C11-C12-C13 |
| 30 | 15 | 309 | CLA | C10-C11-C12-C13 |
| 30 | 6 | 316 | CLA | C3-C5-C6-C7 |
| 36 | 14 | 321 | LMG | C4-C5-C6-O5 |
| 30 | A | 815 | CLA | C2-C1-O2A-CGA |
| 30 | 1 | 302 | CLA | C2-C1-O2A-CGA |
| 30 | B | 821 | CLA | C6-C7-C8-C9 |
| 30 | 5 | 302 | CLA | C16-C17-C18-C19 |
| 30 | B | 818 | CLA | O1A-CGA-O2A-C1 |
| 33 | B | 844 | BCR | C14-C15-C16-C17 |
| 34 | A | 852 | LHG | C10-C11-C12-C13 |
| 35 | 1 | 311 | LMT | C7-C8-C9-C10 |
| 36 | 7 | 320 | LMG | C31-C32-C33-C34 |
| 30 | A | 825 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 828 | CLA | C13-C15-C16-C17 |
| 30 | A | 830 | CLA | C13-C15-C16-C17 |
| 30 | B | 806 | CLA | C13-C15-C16-C17 |
| 38 | 2 | 314 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 8 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 35 | 12 | 318 | LMT | C4B-C5B-C6B-O6B |
| 36 | 8 | 320 | LMG | C33-C34-C35-C36 |
| 36 | 14 | 321 | LMG | O10-C28-O8-C9 |
| 30 | A | 823 | CLA | O1D-CGD-O2D-CED |
| 30 | 12 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | 13 | 301 | CLA | CBA-CGA-O2A-C1 |
| 34 | B | 848 | LHG | O9-C7-O7-C5 |
| 34 | A | 853 | LHG | O1-C1-C2-O2 |
| 34 | B | 848 | LHG | O1-C1-C2-O2 |
| 35 | A | 855 | LMT | C2-C1-O1'-C1' |
| 36 | B | 847 | LMG | C29-C30-C31-C32 |
| 36 | 6 | 301 | LMG | C13-C14-C15-C16 |
| 30 | 11 | 309 | CLA | C8-C10-C11-C12 |
| 36 | A | 856 | LMG | C30-C31-C32-C33 |
| 30 | A | 820 | CLA | C16-C17-C18-C20 |
| 30 | 4 | 304 | CLA | C11-C12-C13-C14 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 4 | 304 | CLA | C11-C12-C13-C15 |
| 30 | 12 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | 1 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 5 | 307 | CLA | C2A-CAA-CBA-CGA |
| 30 | 3 | 307 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 308 | CLA | C15-C16-C17-C18 |
| 36 | 8 | 320 | LMG | C16-C17-C18-C19 |
| 30 | 6 | 307 | CLA | C11-C10-C8-C7 |
| 30 | 11 | 304 | CLA | C12-C13-C15-C16 |
| 34 | A | 852 | LHG | C12-C13-C14-C15 |
| 34 | 2 | 320 | LHG | C11-C10-C9-C8 |
| 30 | A | 825 | CLA | C8-C10-C11-C12 |
| 30 | 1 | 301 | CLA | C10-C11-C12-C13 |
| 30 | 2 | 301 | CLA | C8-C10-C11-C12 |
| 30 | 3 | 303 | CLA | C5-C6-C7-C8 |
| 30 | 7 | 310 | CLA | C15-C16-C17-C18 |
| 30 | 9 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 305 | CLA | C3-C5-C6-C7 |
| 30 | A | 802 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 814 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 838 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 813 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 825 | CLA | C3A-C2A-CAA-CBA |
| 30 | F | 201 | CLA | C3A-C2A-CAA-CBA |
| 30 | 1 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 2 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | 3 | 309 | CLA | C3A-C2A-CAA-CBA |
| 30 | 4 | 306 | CLA | C3A-C2A-CAA-CBA |
| 30 | 4 | 309 | CLA | C3A-C2A-CAA-CBA |
| 30 | 8 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 9 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | 9 | 306 | CLA | C3A-C2A-CAA-CBA |
| 30 | 9 | 308 | CLA | C3A-C2A-CAA-CBA |
| 30 | 10 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | 10 | 311 | CLA | C3A-C2A-CAA-CBA |
| 30 | 11 | 306 | CLA | C3A-C2A-CAA-CBA |
| 30 | 13 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 13 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 14 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 14 | 313 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 308 | CLA | C3A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 15 | 311 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 312 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 306 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 308 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 309 | CLA | C3A-C2A-CAA-CBA |
| 36 | B | 847 | LMG | C37-C38-C39-C40 |
| 30 | 2 | 310 | CLA | C5-C6-C7-C8 |
| 30 | 6 | 307 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 307 | CLA | C10-C11-C12-C13 |
| 36 | 8 | 321 | LMG | C28-C29-C30-C31 |
| 38 | 8 | 306 | KC1 | O1D-CGD-O2D-CED |
| 36 | F | 205 | LMG | C10-C11-C12-C13 |
| 37 | 7 | 315 | A86 | C1-C2-C3-C4 |
| 37 | 7 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 7 | 316 | A86 | C24-C25-C26-C27 |
| 37 | 11 | 316 | A86 | C3-C4-C5-C6 |
| 37 | 14 | 301 | A86 | C24-C25-C26-C27 |
| 39 | 2 | 315 | DD6 | C24-C25-C26-C27 |
| 39 | 6 | 321 | DD6 | C11-C10-C9-C8 |
| 39 | 8 | 316 | DD6 | C3-C4-C5-C6 |
| 30 | 13 | 301 | CLA | C16-C17-C18-C20 |
| 30 | 16 | 301 | CLA | C16-C17-C18-C20 |
| 30 | A | 813 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 814 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 834 | CLA | O1A-CGA-O2A-C1 |
| 30 | 16 | 305 | CLA | O1A-CGA-O2A-C1 |
| 36 | 7 | 320 | LMG | C11-C12-C13-C14 |
| 30 | 16 | 303 | CLA | C8-C10-C11-C12 |
| 36 | 8 | 320 | LMG | C30-C31-C32-C33 |
| 30 | A | 819 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 805 | CLA | CBA-CGA-O2A-C1 |
| 30 | 1 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 313 | CLA | CBA-CGA-O2A-C1 |
| 36 | 8 | 320 | LMG | C29-C28-O8-C9 |
| 36 | 14 | 321 | LMG | C7-C8-C9-O8 |
| 30 | 11 | 304 | CLA | C3-C5-C6-C7 |
| 34 | B | 848 | LHG | C7-C8-C9-C10 |
| 36 | 8 | 319 | LMG | C28-C29-C30-C31 |
| 30 | 9 | 303 | CLA | O1D-CGD-O2D-CED |
| 36 | B | 849 | LMG | C12-C13-C14-C15 |
| 36 | 3 | 317 | LMG | C14-C15-C16-C17 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | 8 | 320 | LMG | C32-C33-C34-C35 |
| 36 | 8 | 319 | LMG | C36-C37-C38-C39 |
| 30 | A | 810 | CLA | O1D-CGD-O2D-CED |
| 30 | 5 | 302 | CLA | O1D-CGD-O2D-CED |
| 30 | 12 | 321 | CLA | O1D-CGD-O2D-CED |
| 34 | A | 852 | LHG | C25-C26-C27-C28 |
| 35 | A | 854 | LMT | C2-C3-C4-C5 |
| 30 | 7 | 304 | CLA | C16-C17-C18-C20 |
| 34 | 9 | 318 | LHG | C23-C24-C25-C26 |
| 33 | J | 102 | BCR | C1-C6-C7-C8 |
| 33 | J | 102 | BCR | C5-C6-C7-C8 |
| 33 | J | 103 | BCR | C23-C24-C25-C26 |
| 33 | J | 103 | BCR | C23-C24-C25-C30 |
| 33 | L | 204 | BCR | C23-C24-C25-C30 |
| 33 | M | 101 | BCR | C1-C6-C7-C8 |
| 33 | 2u | 201 | BCR | C1-C6-C7-C8 |
| 33 | 2u | 201 | BCR | C5-C6-C7-C8 |
| 33 | 2u | 201 | BCR | C23-C24-C25-C30 |
| 34 | A | 852 | LHG | C8-C7-O7-C5 |
| 30 | A | 825 | CLA | CBA-CGA-O2A-C1 |
| 30 | 4 | 305 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 811 | CLA | C10-C11-C12-C13 |
| 30 | B | 829 | CLA | C15-C16-C17-C18 |
| 30 | 10 | 307 | CLA | C3-C5-C6-C7 |
| 34 | A | 852 | LHG | C32-C33-C34-C35 |
| 35 | A | 854 | LMT | C3-C4-C5-C6 |
| 30 | A | 813 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 837 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 829 | CLA | C2A-CAA-CBA-CGA |
| 30 | 1 | 302 | CLA | C2A-CAA-CBA-CGA |
| 30 | 12 | 302 | CLA | C2A-CAA-CBA-CGA |
| 36 | 8 | 319 | LMG | C10-C11-C12-C13 |
| 36 | 8 | 320 | LMG | C12-C13-C14-C15 |
| 30 | 8 | 304 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 313 | CLA | O1A-CGA-O2A-C1 |
| 34 | 9 | 318 | LHG | C24-C25-C26-C27 |
| 36 | B | 849 | LMG | C29-C30-C31-C32 |
| 36 | 8 | 321 | LMG | O9-C10-O7-C8 |
| 30 | 7 | 306 | CLA | C4-C3-C5-C6 |
| 33 | L | 201 | BCR | C18-C19-C20-C21 |
| 30 | B | 821 | CLA | C6-C7-C8-C10 |
| 30 | 5 | 311 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 10 | 308 | CLA | CBA-CGA-O2A-C1 |
| 36 | 14 | 321 | LMG | C29-C28-O8-C9 |
| 30 | 12 | 308 | CLA | C11-C12-C13-C14 |
| 36 | 2u | 204 | LMG | O6-C5-C6-O5 |
| 35 | 9 | 317 | LMT | O5'-C1'-O1'-C1 |
| 36 | A | 856 | LMG | O6-C1-O1-C7 |
| 36 | 3 | 317 | LMG | C29-C30-C31-C32 |
| 36 | A | 856 | LMG | C2-C1-O1-C7 |
| 30 | A | 820 | CLA | C13-C15-C16-C17 |
| 30 | A | 834 | CLA | C10-C11-C12-C13 |
| 30 | 9 | 308 | CLA | C10-C11-C12-C13 |
| 35 | 7 | 321 | LMT | C3-C4-C5-C6 |
| 36 | B | 847 | LMG | C15-C16-C17-C18 |
| 34 | A | 852 | LHG | C24-C25-C26-C27 |
| 37 | 9 | 315 | A86 | O5-C38-O4-C34 |
| 30 | A | 824 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 309 | CLA | CBA-CGA-O2A-C1 |
| 37 | 14 | 315 | A86 | C1-C2-C3-C4 |
| 37 | 15 | 322 | A86 | C24-C25-C26-C27 |
| 39 | 2 | 315 | DD6 | C11-C10-C9-C8 |
| 39 | 3 | 312 | DD6 | C11-C10-C9-C8 |
| 39 | 7 | 302 | DD6 | C3-C4-C5-C6 |
| 30 | B | 851 | CLA | C16-C17-C18-C19 |
| 34 | B | 848 | LHG | C8-C7-O7-C5 |
| 30 | 1 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 803 | CLA | C15-C16-C17-C18 |
| 36 | 8 | 319 | LMG | O9-C10-O7-C8 |
| 35 | 8 | 322 | LMT | C7-C8-C9-C10 |
| 35 | 16 | 315 | LMT | O5'-C5'-C6'-O6' |
| 30 | 13 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 312 | CLA | C10-C11-C12-C13 |
| 37 | 3 | 314 | A86 | C7-C6-C8-C9 |
| 37 | 10 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 11 | 314 | A86 | C7-C6-C8-C9 |
| 37 | 14 | 319 | A86 | C7-C6-C8-C9 |
| 33 | A | 847 | BCR | C7-C8-C9-C10 |
| 33 | A | 850 | BCR | C21-C22-C23-C24 |
| 33 | B | 846 | BCR | C21-C22-C23-C24 |
| 37 | 10 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 11 | 314 | A86 | C5-C6-C8-C9 |
| 39 | 3 | 316 | DD6 | C5-C6-C8-C9 |
| 39 | 12 | 317 | DD6 | C10-C11-C13-C14 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | A | 819 | CLA | C2A-CAA-CBA-CGA |
| 30 | 10 | 307 | CLA | C2A-CAA-CBA-CGA |
| 30 | 5 | 302 | CLA | C16-C17-C18-C20 |
| 30 | 16 | 301 | CLA | C16-C17-C18-C19 |
| 34 | A | 852 | LHG | C13-C14-C15-C16 |
| 30 | 2 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 5 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 9 | 301 | CLA | C4-C3-C5-C6 |
| 38 | 2 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 2 | 314 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 3 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 3 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 4 | 307 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 5 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 5 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 6 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 6 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 6 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 8 | 314 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 9 | 304 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 9 | 310 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 9 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 10 | 306 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 11 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 11 | 307 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 11 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 12 | 305 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 12 | 313 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 13 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 14 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 16 | 304 | KC1 | C2B-C3B-CAB-CBB |
| 30 | 7 | 309 | CLA | C13-C15-C16-C17 |
| 30 | A | 819 | CLA | O1A-CGA-O2A-C1 |
| 30 | 4 | 305 | CLA | O1A-CGA-O2A-C1 |
| 30 | 6 | 309 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 833 | CLA | C3-C5-C6-C7 |
| 30 | 11 | 308 | CLA | C3-C5-C6-C7 |
| 30 | A | 820 | CLA | C15-C16-C17-C18 |
| 30 | A | 833 | CLA | C8-C10-C11-C12 |
| 30 | A | 833 | CLA | C10-C11-C12-C13 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 806 | CLA | C5-C6-C7-C8 |
| 30 | B | 822 | CLA | C10-C11-C12-C13 |
| 34 | 9 | 318 | LHG | C11-C10-C9-C8 |
| 30 | B | 838 | CLA | O1D-CGD-O2D-CED |
| 35 | 16 | 315 | LMT | C7-C8-C9-C10 |
| 34 | A | 852 | LHG | C27-C28-C29-C30 |
| 34 | 6 | 322 | LHG | C11-C10-C9-C8 |
| 36 | B | 849 | LMG | C14-C15-C16-C17 |
| 30 | B | 833 | CLA | C8-C10-C11-C12 |
| 30 | 10 | 305 | CLA | C13-C15-C16-C17 |
| 38 | 8 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 35 | A | 854 | LMT | C7-C8-C9-C10 |
| 36 | B | 849 | LMG | C15-C16-C17-C18 |
| 35 | A | 855 | LMT | C2-C3-C4-C5 |
| 36 | B | 847 | LMG | C23-C24-C25-C26 |
| 35 | B | 852 | LMT | C1-C2-C3-C4 |
| 30 | B | 808 | CLA | C13-C15-C16-C17 |
| 30 | B | 809 | CLA | C15-C16-C17-C18 |
| 30 | B | 834 | CLA | C5-C6-C7-C8 |
| 30 | B | 834 | CLA | C10-C11-C12-C13 |
| 30 | 8 | 301 | CLA | C8-C10-C11-C12 |
| 30 | 12 | 312 | CLA | C15-C16-C17-C18 |
| 31 | A | 845 | PQN | C20-C21-C22-C23 |
| 30 | B | 809 | CLA | O1D-CGD-O2D-CED |
| 38 | 6 | 311 | KC1 | O1D-CGD-O2D-CED |
| 30 | 8 | 301 | CLA | C3-C5-C6-C7 |
| 36 | F | 205 | LMG | O7-C8-C9-O8 |
| 36 | 8 | 319 | LMG | O7-C8-C9-O8 |
| 36 | 3 | 317 | LMG | C12-C13-C14-C15 |
| 30 | A | 825 | CLA | O1A-CGA-O2A-C1 |
| 36 | 3 | 317 | LMG | C13-C14-C15-C16 |
| 30 | A | 828 | CLA | C15-C16-C17-C18 |
| 37 | 14 | 314 | A86 | O5-C38-O4-C34 |
| 38 | 10 | 310 | KC1 | CBD-CGD-O2D-CED |
| 35 | 7 | 321 | LMT | O5B-C5B-C6B-O6B |
| 36 | 8 | 319 | LMG | O6-C5-C6-O5 |
| 30 | B | 811 | CLA | C8-C10-C11-C12 |
| 36 | 6 | 301 | LMG | C12-C13-C14-C15 |
| 36 | 14 | 321 | LMG | C29-C30-C31-C32 |
| 30 | A | 814 | CLA | C4-C3-C5-C6 |
| 30 | 1 | 304 | CLA | C4-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 3 | 302 | CLA | C4-C3-C5-C6 |
| 30 | A | 828 | CLA | C3-C5-C6-C7 |
| 30 | B | 822 | CLA | C2-C3-C5-C6 |
| 30 | 9 | 301 | CLA | C2-C3-C5-C6 |
| 34 | B | 848 | LHG | C1-C2-C3-O3 |
| 30 | 15 | 302 | CLA | C10-C11-C12-C13 |
| 36 | B | 847 | LMG | C16-C17-C18-C19 |
| 30 | A | 818 | CLA | C2A-CAA-CBA-CGA |
| 30 | 5 | 308 | CLA | C2A-CAA-CBA-CGA |
| 30 | 9 | 302 | CLA | C2A-CAA-CBA-CGA |
| 30 | 9 | 303 | CLA | C2A-CAA-CBA-CGA |
| 30 | 13 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 13 | 309 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 826 | CLA | CBD-CGD-O2D-CED |
| 30 | 1 | 301 | CLA | CBD-CGD-O2D-CED |
| 35 | 11 | 303 | LMT | C7-C8-C9-C10 |
| 35 | 15 | 301 | LMT | C3-C4-C5-C6 |
| 36 | A | 856 | LMG | C12-C13-C14-C15 |
| 36 | 3 | 317 | LMG | C32-C33-C34-C35 |
| 36 | 7 | 320 | LMG | C33-C34-C35-C36 |
| 30 | B | 804 | CLA | O1D-CGD-O2D-CED |
| 30 | 13 | 309 | CLA | O1D-CGD-O2D-CED |
| 36 | B | 849 | LMG | C30-C31-C32-C33 |
| 30 | A | 810 | CLA | C13-C15-C16-C17 |
| 30 | B | 813 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 308 | CLA | C8-C10-C11-C12 |
| 30 | 5 | 308 | CLA | C13-C15-C16-C17 |
| 30 | 7 | 307 | CLA | C8-C10-C11-C12 |
| 30 | 8 | 303 | CLA | C13-C15-C16-C17 |
| 30 | 5 | 303 | CLA | O1D-CGD-O2D-CED |
| 30 | 11 | 309 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 805 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 838 | CLA | C3-C5-C6-C7 |
| 30 | A | 804 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 810 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 816 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 819 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 825 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 833 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 835 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 840 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 842 | CLA | C1A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 805 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 813 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 814 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 818 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 826 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 828 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 829 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 836 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 838 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 839 | CLA | C1A-C2A-CAA-CBA |
| 30 | F | 201 | CLA | C1A-C2A-CAA-CBA |
| 30 | 2 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 2 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 301 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 306 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 4 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 4 | 306 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 5 | 311 | CLA | C1A-C2A-CAA-CBA |
| 30 | 6 | 314 | CLA | C1A-C2A-CAA-CBA |
| 30 | 6 | 317 | CLA | C1A-C2A-CAA-CBA |
| 30 | 7 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 8 | 301 | CLA | C1A-C2A-CAA-CBA |
| 30 | 8 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 8 | 304 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 302 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 306 | CLA | C1A-C2A-CAA-CBA |
| 30 | 9 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 10 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 11 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 11 | 310 | CLA | C1A-C2A-CAA-CBA |
| 30 | 12 | 308 | CLA | C1A-C2A-CAA-CBA |
| 30 | 12 | 310 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 301 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 304 | CLA | C1A-C2A-CAA-CBA |
| 30 | 13 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 14 | 305 | CLA | C1A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 14 | 312 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 302 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 312 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 314 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 301 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 16 | 310 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 831 | CLA | O1D-CGD-O2D-CED |
| 30 | 1 | 307 | CLA | C15-C16-C17-C18 |
| 30 | 6 | 305 | CLA | C13-C15-C16-C17 |
| 30 | 12 | 302 | CLA | C15-C16-C17-C18 |
| 37 | 8 | 318 | A86 | O5-C38-O4-C34 |
| 35 | B | 852 | LMT | C6-C7-C8-C9 |
| 30 | L | 202 | CLA | C10-C11-C12-C13 |
| 30 | 9 | 308 | CLA | C13-C15-C16-C17 |
| 30 | A | 804 | CLA | C12-C13-C15-C16 |
| 30 | A | 806 | CLA | C11-C12-C13-C15 |
| 30 | A | 816 | CLA | C11-C10-C8-C7 |
| 30 | A | 825 | CLA | C11-C10-C8-C7 |
| 30 | A | 835 | CLA | C12-C13-C15-C16 |
| 30 | A | 839 | CLA | C11-C12-C13-C15 |
| 30 | A | 841 | CLA | C11-C10-C8-C7 |
| 30 | A | 842 | CLA | C12-C13-C15-C16 |
| 30 | B | 811 | CLA | C11-C10-C8-C7 |
| 30 | B | 822 | CLA | C11-C12-C13-C15 |
| 30 | B | 835 | CLA | C6-C7-C8-C10 |
| 30 | 1 | 307 | CLA | C11-C10-C8-C7 |
| 30 | 2 | 301 | CLA | C12-C13-C15-C16 |
| 30 | 2 | 311 | CLA | C11-C12-C13-C15 |
| 30 | 6 | 304 | CLA | C11-C12-C13-C15 |
| 30 | 7 | 309 | CLA | C6-C7-C8-C10 |
| 30 | 7 | 311 | CLA | C6-C7-C8-C10 |
| 30 | 8 | 301 | CLA | C11-C12-C13-C15 |
| 30 | 8 | 303 | CLA | C11-C12-C13-C15 |
| 30 | 11 | 308 | CLA | C11-C12-C13-C15 |
| 30 | 11 | 308 | CLA | C12-C13-C15-C16 |
| 30 | 12 | 304 | CLA | C11-C10-C8-C7 |
| 30 | 12 | 312 | CLA | C11-C10-C8-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 15 | 304 | CLA | C6-C7-C8-C10 |
| 30 | 15 | 304 | CLA | C12-C13-C15-C16 |
| 30 | 16 | 303 | CLA | C6-C7-C8-C10 |
| 30 | 16 | 303 | CLA | C11-C10-C8-C7 |
| 30 | B | 805 | CLA | C10-C11-C12-C13 |
| 30 | B | 826 | CLA | C13-C15-C16-C17 |
| 30 | 5 | 311 | CLA | O1A-CGA-O2A-C1 |
| 38 | 5 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 30 | A | 821 | CLA | C8-C10-C11-C12 |
| 30 | 2 | 307 | CLA | C15-C16-C17-C18 |
| 30 | 11 | 309 | CLA | C10-C11-C12-C13 |
| 30 | A | 806 | CLA | C2-C3-C5-C6 |
| 30 | A | 818 | CLA | C2-C3-C5-C6 |
| 30 | B | 837 | CLA | C5-C6-C7-C8 |
| 30 | 10 | 307 | CLA | C15-C16-C17-C18 |
| 30 | B | 821 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 826 | CLA | C2A-CAA-CBA-CGA |
| 30 | 9 | 308 | CLA | C2A-CAA-CBA-CGA |
| 30 | 16 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 825 | CLA | C11-C10-C8-C9 |
| 30 | A | 835 | CLA | C14-C13-C15-C16 |
| 30 | A | 839 | CLA | C11-C12-C13-C14 |
| 30 | A | 842 | CLA | C14-C13-C15-C16 |
| 30 | B | 829 | CLA | C14-C13-C15-C16 |
| 30 | 7 | 307 | CLA | C11-C10-C8-C9 |
| 30 | 7 | 309 | CLA | C6-C7-C8-C9 |
| 30 | 7 | 311 | CLA | C6-C7-C8-C9 |
| 30 | 8 | 301 | CLA | C11-C12-C13-C14 |
| 30 | 8 | 303 | CLA | C11-C12-C13-C14 |
| 30 | 11 | 308 | CLA | C11-C12-C13-C14 |
| 30 | 11 | 310 | CLA | C14-C13-C15-C16 |
| 30 | 12 | 312 | CLA | C11-C10-C8-C9 |
| 30 | 14 | 303 | CLA | C11-C10-C8-C9 |
| 30 | 15 | 304 | CLA | C6-C7-C8-C9 |
| 30 | 16 | 303 | CLA | C6-C7-C8-C9 |
| 30 | 16 | 303 | CLA | C11-C10-C8-C9 |
| 30 | A | 818 | CLA | C5-C6-C7-C8 |
| 39 | 8 | 317 | DD6 | C3-C4-C5-C6 |
| 30 | A | 834 | CLA | CBA-CGA-O2A-C1 |
| 30 | 5 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | 6 | 310 | CLA | CBA-CGA-O2A-C1 |
| 30 | 13 | 303 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 4 | 302 | CLA | C13-C15-C16-C17 |
| 30 | 11 | 308 | CLA | C13-C15-C16-C17 |
| 30 | A | 824 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 309 | CLA | O1A-CGA-O2A-C1 |
| 38 | 11 | 311 | KC1 | O1D-CGD-O2D-CED |
| 30 | F | 202 | CLA | C15-C16-C17-C18 |
| 34 | B | 848 | LHG | C4-C5-C6-O8 |
| 36 | A | 856 | LMG | C7-C8-C9-O8 |
| 36 | 6 | 301 | LMG | C7-C8-C9-O8 |
| 36 | 8 | 320 | LMG | O1-C7-C8-C9 |
| 30 | A | 822 | CLA | O1D-CGD-O2D-CED |
| 30 | 7 | 310 | CLA | C13-C15-C16-C17 |
| 30 | 3 | 306 | CLA | O1D-CGD-O2D-CED |
| 30 | 15 | 303 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 816 | CLA | CBA-CGA-O2A-C1 |
| 30 | 11 | 306 | CLA | CBA-CGA-O2A-C1 |
| 35 | 6 | 302 | LMT | O5B-C5B-C6B-O6B |
| 36 | 8 | 319 | LMG | C35-C36-C37-C38 |
| 36 | 8 | 320 | LMG | C13-C14-C15-C16 |
| 36 | B | 847 | LMG | C40-C41-C42-C43 |
| 33 | B | 843 | BCR | C35-C13-C14-C15 |
| 33 | F | 204 | BCR | C35-C13-C14-C15 |
| 30 | A | 830 | CLA | C15-C16-C17-C18 |
| 30 | B | 821 | CLA | C5-C6-C7-C8 |
| 30 | 12 | 308 | CLA | C10-C11-C12-C13 |
| 30 | B | 819 | CLA | C3-C5-C6-C7 |
| 35 | A | 857 | LMT | O5B-C5B-C6B-O6B |
| 30 | 10 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 818 | CLA | C4-C3-C5-C6 |
| 30 | B | 822 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 316 | CLA | C4-C3-C5-C6 |
| 30 | A | 834 | CLA | C2-C3-C5-C6 |
| 30 | 3 | 302 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 316 | CLA | C2-C3-C5-C6 |
| 30 | 7 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 16 | 302 | CLA | C2-C3-C5-C6 |
| 30 | B | 802 | CLA | C5-C6-C7-C8 |
| 30 | 16 | 302 | CLA | C10-C11-C12-C13 |
| 33 | J | 102 | BCR | C7-C8-C9-C34 |
| 37 | 9 | 315 | A86 | C7-C6-C8-C9 |
| 37 | 11 | 316 | A86 | C-C1-C24-C25 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 14 | 319 | A86 | C-C1-C24-C25 |
| 37 | 16 | 312 | A86 | C-C1-C24-C25 |
| 39 | 6 | 318 | DD6 | C12-C11-C13-C14 |
| 38 | 14 | 308 | KC1 | C2C-C3C-CAC-CBC |
| 36 | B | 847 | LMG | C32-C33-C34-C35 |
| 36 | A | 856 | LMG | C31-C32-C33-C34 |
| 36 | B | 847 | LMG | C21-C22-C23-C24 |
| 33 | B | 841 | BCR | C21-C22-C23-C24 |
| 37 | 2u | 203 | A86 | C5-C6-C8-C9 |
| 37 | 9 | 315 | A86 | C5-C6-C8-C9 |
| 37 | 11 | 316 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 319 | A86 | C2-C1-C24-C25 |
| 37 | 14 | 319 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 317 | A86 | C5-C6-C8-C9 |
| 37 | 16 | 312 | A86 | C2-C1-C24-C25 |
| 39 | 2 | 317 | DD6 | C10-C11-C13-C14 |
| 39 | 4 | 316 | DD6 | C10-C11-C13-C14 |
| 39 | 7 | 317 | DD6 | C10-C11-C13-C14 |
| 39 | 13 | 314 | DD6 | C5-C6-C8-C9 |
| 30 | 6 | 310 | CLA | O1A-CGA-O2A-C1 |
| 30 | 13 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 826 | CLA | C8-C10-C11-C12 |
| 30 | 1 | 303 | CLA | C2A-CAA-CBA-CGA |
| 36 | 5 | 318 | LMG | O6-C5-C6-O5 |
| 30 | 7 | 311 | CLA | C13-C15-C16-C17 |
| 36 | 8 | 320 | LMG | C11-C12-C13-C14 |
| 30 | 1 | 303 | CLA | CBA-CGA-O2A-C1 |
| 30 | 4 | 302 | CLA | CBA-CGA-O2A-C1 |
| 30 | 10 | 303 | CLA | CBA-CGA-O2A-C1 |
| 36 | F | 205 | LMG | C7-C8-O7-C10 |
| 30 | 15 | 303 | CLA | C10-C11-C12-C13 |
| 37 | 2 | 318 | A86 | C24-C25-C26-C27 |
| 37 | 5 | 315 | A86 | C24-C25-C26-C27 |
| 37 | 9 | 313 | A86 | C11-C10-C9-C8 |
| 37 | 12 | 314 | A86 | C24-C25-C26-C27 |
| 39 | 3 | 312 | DD6 | C3-C4-C5-C6 |
| 39 | 3 | 313 | DD6 | C11-C10-C9-C8 |
| 39 | 16 | 313 | DD6 | C24-C25-C26-C27 |
| 33 | A | 850 | BCR | C11-C10-C9-C8 |
| 33 | B | 841 | BCR | C20-C21-C22-C23 |
| 33 | F | 204 | BCR | C11-C10-C9-C8 |
| 39 | 1 | 310 | DD6 | C4-C5-C6-C8 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 7 | 302 | DD6 | C24-C1-C2-C3 |
| 34 | A | 853 | LHG | C1-C2-C3-O3 |
| 30 | B | 813 | CLA | C13-C15-C16-C17 |
| 30 | B | 802 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 808 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 828 | CLA | CBA-CGA-O2A-C1 |
| 30 | 9 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 11 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2 | 311 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 834 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 307 | CLA | C2C-C3C-CAC-CBC |
| 30 | B | 837 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 8 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 10 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 11 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 308 | CLA | C4-C3-C5-C6 |
| 30 | 16 | 302 | CLA | C4-C3-C5-C6 |
| 36 | 8 | 320 | LMG | C29-C30-C31-C32 |
| 34 | A | 852 | LHG | O7-C5-C6-O8 |
| 36 | F | 205 | LMG | O1-C7-C8-O7 |
| 36 | 7 | 320 | LMG | O7-C8-C9-O8 |
| 30 | A | 836 | CLA | C6-C7-C8-C9 |
| 30 | 2 | 305 | CLA | CBA-CGA-O2A-C1 |
| 30 | 8 | 309 | CLA | CBA-CGA-O2A-C1 |
| 30 | 9 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | B | 810 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 828 | CLA | O1D-CGD-O2D-CED |
| 30 | 12 | 304 | CLA | CAA-CBA-CGA-O2A |
| 30 | 3 | 306 | CLA | C2A-CAA-CBA-CGA |
| 30 | 7 | 303 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 813 | CLA | C3-C5-C6-C7 |
| 30 | B | 831 | CLA | C3-C5-C6-C7 |
| 35 | 11 | 303 | LMT | C1-C2-C3-C4 |
| 30 | B | 833 | CLA | O1D-CGD-O2D-CED |
| 38 | 5 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 30 | B | 838 | CLA | C5-C6-C7-C8 |
| 36 | 8 | 320 | LMG | O9-C10-O7-C8 |
| 34 | A | 852 | LHG | C26-C27-C28-C29 |
| 30 | A | 828 | CLA | CBA-CGA-O2A-C1 |
| 30 | 6 | 304 | CLA | CBA-CGA-O2A-C1 |
| 30 | 11 | 308 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 12 | 304 | CLA | CBA-CGA-O2A-C1 |
| 36 | 14 | 321 | LMG | O6-C5-C6-O5 |
| 35 | 7 | 301 | LMT | C9-C10-C11-C12 |
| 30 | 10 | 311 | CLA | CBD-CGD-O2D-CED |
| 38 | 1 | 306 | KC1 | CBD-CGD-O2D-CED |
| 38 | 8 | 307 | KC1 | CBD-CGD-O2D-CED |
| 30 | A | 813 | CLA | C10-C11-C12-C13 |
| 30 | 3 | 301 | CLA | C5-C6-C7-C8 |
| 30 | 10 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 8 | 305 | CLA | O1D-CGD-O2D-CED |
| 37 | 13 | 313 | A86 | C24-C25-C26-C27 |
| 30 | 15 | 302 | CLA | C16-C17-C18-C19 |
| 30 | A | 830 | CLA | C4-C3-C5-C6 |
| 30 | A | 834 | CLA | C4-C3-C5-C6 |
| 30 | A | 844 | CLA | C4-C3-C5-C6 |
| 30 | B | 807 | CLA | C4-C3-C5-C6 |
| 30 | 2 | 310 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 306 | CLA | C4-C3-C5-C6 |
| 30 | 13 | 302 | CLA | C4-C3-C5-C6 |
| 30 | 15 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 8 | 305 | CLA | CBA-CGA-O2A-C1 |
| 35 | B | 852 | LMT | C5-C6-C7-C8 |
| 35 | 7 | 321 | LMT | C6-C7-C8-C9 |
| 35 | 11 | 303 | LMT | C11-C10-C9-C8 |
| 36 | B | 849 | LMG | C16-C17-C18-C19 |
| 34 | 5 | 317 | LHG | O1-C1-C2-O2 |
| 35 | 11 | 303 | LMT | C2-C1-O1'-C1' |
| 30 | A | 806 | CLA | C11-C12-C13-C14 |
| 30 | A | 807 | CLA | C11-C12-C13-C14 |
| 30 | A | 841 | CLA | C11-C10-C8-C9 |
| 30 | B | 802 | CLA | C11-C12-C13-C14 |
| 30 | B | 811 | CLA | C11-C10-C8-C9 |
| 30 | B | 813 | CLA | C11-C12-C13-C14 |
| 30 | B | 822 | CLA | C11-C12-C13-C14 |
| 30 | B | 828 | CLA | C6-C7-C8-C9 |
| 30 | B | 835 | CLA | C6-C7-C8-C9 |
| 30 | L | 202 | CLA | C11-C12-C13-C14 |
| 30 | 1 | 307 | CLA | C11-C10-C8-C9 |
| 30 | 2 | 301 | CLA | C14-C13-C15-C16 |
| 30 | 2 | 304 | CLA | C14-C13-C15-C16 |
| 30 | 2 | 311 | CLA | C11-C12-C13-C14 |
| 30 | 5 | 307 | CLA | C14-C13-C15-C16 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 6 | 304 | CLA | C11-C12-C13-C14 |
| 30 | 6 | 314 | CLA | C11-C12-C13-C14 |
| 30 | 8 | 301 | CLA | C11-C10-C8-C9 |
| 30 | 9 | 308 | CLA | C14-C13-C15-C16 |
| 30 | 10 | 303 | CLA | C11-C10-C8-C9 |
| 30 | 11 | 310 | CLA | C6-C7-C8-C9 |
| 30 | 12 | 304 | CLA | C11-C10-C8-C9 |
| 30 | 13 | 303 | CLA | C11-C12-C13-C14 |
| 30 | 14 | 307 | CLA | C11-C10-C8-C9 |
| 30 | 15 | 302 | CLA | C14-C13-C15-C16 |
| 30 | 15 | 304 | CLA | C14-C13-C15-C16 |
| 31 | B | 840 | PQN | C15-C16-C17-C18 |
| 35 | 11 | 303 | LMT | C6-C7-C8-C9 |
| 30 | 12 | 303 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 815 | CLA | C10-C11-C12-C13 |
| 30 | B | 812 | CLA | C5-C6-C7-C8 |
| 30 | 12 | 307 | CLA | O1D-CGD-O2D-CED |
| 30 | L | 202 | CLA | CBA-CGA-O2A-C1 |
| 30 | 8 | 302 | CLA | C3-C5-C6-C7 |
| 34 | B | 848 | LHG | O6-C4-C5-C6 |
| 34 | 6 | 322 | LHG | O6-C4-C5-C6 |
| 30 | 8 | 304 | CLA | C10-C11-C12-C13 |
| 36 | 5 | 318 | LMG | C31-C32-C33-C34 |
| 30 | A | 807 | CLA | C11-C12-C13-C15 |
| 30 | A | 822 | CLA | C12-C13-C15-C16 |
| 30 | B | 802 | CLA | C11-C12-C13-C15 |
| 30 | B | 819 | CLA | C12-C13-C15-C16 |
| 30 | B | 828 | CLA | C6-C7-C8-C10 |
| 30 | B | 828 | CLA | C11-C12-C13-C15 |
| 30 | B | 829 | CLA | C12-C13-C15-C16 |
| 30 | B | 838 | CLA | C12-C13-C15-C16 |
| 30 | L | 202 | CLA | C11-C12-C13-C15 |
| 30 | 2 | 301 | CLA | C11-C10-C8-C7 |
| 30 | 2 | 304 | CLA | C12-C13-C15-C16 |
| 30 | 5 | 307 | CLA | C12-C13-C15-C16 |
| 30 | 6 | 314 | CLA | C11-C12-C13-C15 |
| 30 | 7 | 307 | CLA | C11-C10-C8-C7 |
| 30 | 8 | 301 | CLA | C11-C10-C8-C7 |
| 30 | 9 | 303 | CLA | C11-C10-C8-C7 |
| 30 | 9 | 308 | CLA | C12-C13-C15-C16 |
| 30 | 10 | 303 | CLA | C11-C10-C8-C7 |
| 30 | 11 | 310 | CLA | C12-C13-C15-C16 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 13 | 301 | CLA | C6-C7-C8-C10 |
| 30 | 13 | 303 | CLA | C11-C12-C13-C15 |
| 30 | 14 | 303 | CLA | C11-C10-C8-C7 |
| 30 | 14 | 307 | CLA | C11-C10-C8-C7 |
| 30 | 15 | 302 | CLA | C12-C13-C15-C16 |
| 30 | 4 | 303 | CLA | C5-C6-C7-C8 |
| 30 | 15 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 11 | 306 | CLA | O1A-CGA-O2A-C1 |
| 36 | 8 | 319 | LMG | C32-C33-C34-C35 |
| 30 | A | 806 | CLA | C10-C11-C12-C13 |
| 30 | A | 816 | CLA | C10-C11-C12-C13 |
| 30 | B | 817 | CLA | C10-C11-C12-C13 |
| 30 | A | 811 | CLA | C4-C3-C5-C6 |
| 30 | A | 820 | CLA | C4-C3-C5-C6 |
| 30 | 1 | 303 | CLA | C3A-C2A-CAA-CBA |
| 30 | 8 | 308 | CLA | C3A-C2A-CAA-CBA |
| 30 | 11 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 16 | 306 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 306 | CLA | C2-C3-C5-C6 |
| 34 | 9 | 318 | LHG | C29-C30-C31-C32 |
| 30 | A | 804 | CLA | C10-C11-C12-C13 |
| 30 | 10 | 307 | CLA | CBA-CGA-O2A-C1 |
| 37 | 2 | 319 | A86 | C1-C2-C3-C4 |
| 37 | 4 | 317 | A86 | C24-C25-C26-C27 |
| 37 | 5 | 301 | A86 | C24-C25-C26-C27 |
| 37 | 15 | 321 | A86 | C11-C10-C9-C8 |
| 39 | 4 | 316 | DD6 | C3-C4-C5-C6 |
| 39 | 5 | 313 | DD6 | C3-C4-C5-C6 |
| 39 | 5 | 314 | DD6 | C24-C25-C26-C27 |
| 39 | 6 | 318 | DD6 | C3-C4-C5-C6 |
| 39 | 8 | 316 | DD6 | C24-C25-C26-C27 |
| 39 | 10 | 314 | DD6 | C3-C4-C5-C6 |
| 39 | 12 | 315 | DD6 | C24-C25-C26-C27 |
| 30 | A | 820 | CLA | C3-C5-C6-C7 |
| 30 | B | 809 | CLA | C3-C5-C6-C7 |
| 37 | 15 | 317 | A86 | C7-C6-C8-C9 |
| 30 | A | 816 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2 | 305 | CLA | O1A-CGA-O2A-C1 |
| 30 | F | 202 | CLA | C13-C15-C16-C17 |
| 39 | 2 | 317 | DD6 | C2-C1-C24-C25 |
| 34 | A | 852 | LHG | C19-C20-C21-C22 |
| 30 | A | 830 | CLA | CBA-CGA-O2A-C1 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 827 | CLA | CBA-CGA-O2A-C1 |
| 35 | 8 | 322 | LMT | C4-C5-C6-C7 |
| 36 | F | 205 | LMG | O1-C7-C8-C9 |
| 36 | 3 | 317 | LMG | C7-C8-C9-O8 |
| 36 | 8 | 319 | LMG | C7-C8-C9-O8 |
| 37 | 2 | 318 | A86 | C12-C11-C13-O |
| 37 | 7 | 315 | A86 | C12-C11-C13-O |
| 37 | 10 | 302 | A86 | C12-C11-C13-O |
| 37 | 11 | 301 | A86 | C12-C11-C13-O |
| 37 | 13 | 313 | A86 | C12-C11-C13-O |
| 37 | 16 | 312 | A86 | C12-C11-C13-O |
| 33 | L | 201 | BCR | C14-C15-C16-C17 |
| 30 | B | 833 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 306 | CLA | C3-C5-C6-C7 |
| 30 | 15 | 307 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 830 | CLA | C13-C15-C16-C17 |
| 30 | 8 | 305 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 806 | CLA | C4-C3-C5-C6 |
| 30 | A | 826 | CLA | C4-C3-C5-C6 |
| 30 | A | 839 | CLA | C4-C3-C5-C6 |
| 30 | B | 834 | CLA | C4-C3-C5-C6 |
| 30 | 1 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 311 | CLA | C4-C3-C5-C6 |
| 30 | A | 844 | CLA | C2-C3-C5-C6 |
| 30 | B | 807 | CLA | C2-C3-C5-C6 |
| 30 | B | 834 | CLA | C2-C3-C5-C6 |
| 30 | B | 828 | CLA | O1A-CGA-O2A-C1 |
| 30 | 9 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 836 | CLA | C3-C5-C6-C7 |
| 30 | 12 | 321 | CLA | C3-C5-C6-C7 |
| 30 | 15 | 311 | CLA | O1D-CGD-O2D-CED |
| 37 | 2 | 318 | A86 | C10-C11-C13-O |
| 37 | 7 | 315 | A86 | C10-C11-C13-O |
| 37 | 10 | 302 | A86 | C10-C11-C13-O |
| 37 | 11 | 301 | A86 | C10-C11-C13-O |
| 37 | 13 | 313 | A86 | C10-C11-C13-O |
| 37 | 16 | 312 | A86 | C10-C11-C13-O |
| 30 | B | 830 | CLA | O1D-CGD-O2D-CED |
| 33 | A | 847 | BCR | C1-C6-C7-C8 |
| 33 | A | 848 | BCR | C1-C6-C7-C8 |
| 33 | A | 849 | BCR | C1-C6-C7-C8 |
| 33 | A | 850 | BCR | C1-C6-C7-C8 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 33 | A | 850 | BCR | C23-C24-C25-C30 |
| 33 | A | 851 | BCR | C1-C6-C7-C8 |
| 33 | B | 841 | BCR | C23-C24-C25-C30 |
| 33 | B | 842 | BCR | C1-C6-C7-C8 |
| 33 | B | 843 | BCR | C1-C6-C7-C8 |
| 33 | B | 844 | BCR | C23-C24-C25-C30 |
| 33 | B | 846 | BCR | C1-C6-C7-C8 |
| 33 | J | 103 | BCR | C1-C6-C7-C8 |
| 33 | L | 205 | BCR | C1-C6-C7-C8 |
| 33 | 2u | 201 | BCR | C23-C24-C25-C26 |
| 34 | 9 | 318 | LHG | C9-C10-C11-C12 |
| 37 | 16 | 314 | A86 | C33-C34-O4-C38 |
| 30 | B | 807 | CLA | C3-C5-C6-C7 |
| 30 | 16 | 301 | CLA | C5-C6-C7-C8 |
| 30 | A | 810 | CLA | C2A-CAA-CBA-CGA |
| 30 | 10 | 308 | CLA | C2A-CAA-CBA-CGA |
| 30 | 11 | 309 | CLA | C2A-CAA-CBA-CGA |
| 36 | B | 847 | LMG | O1-C7-C8-O7 |
| 36 | 2u | 204 | LMG | O1-C7-C8-O7 |
| 36 | 5 | 318 | LMG | O7-C8-C9-O8 |
| 36 | 6 | 301 | LMG | O7-C8-C9-O8 |
| 30 | 1 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | 3 | 303 | CLA | C10-C11-C12-C13 |
| 30 | A | 811 | CLA | C2-C3-C5-C6 |
| 30 | A | 814 | CLA | C2-C3-C5-C6 |
| 30 | A | 820 | CLA | C2-C3-C5-C6 |
| 30 | A | 839 | CLA | C2-C3-C5-C6 |
| 30 | 12 | 306 | CLA | C2-C3-C5-C6 |
| 30 | 13 | 302 | CLA | C2-C3-C5-C6 |
| 30 | 16 | 306 | CLA | C2-C3-C5-C6 |
| 36 | B | 849 | LMG | C17-C18-C19-C20 |
| 30 | A | 820 | CLA | C16-C17-C18-C19 |
| 30 | B | 819 | CLA | C11-C10-C8-C9 |
| 30 | B | 819 | CLA | C14-C13-C15-C16 |
| 30 | B | 830 | CLA | C14-C13-C15-C16 |
| 30 | 1 | 302 | CLA | C11-C10-C8-C9 |
| 30 | 13 | 301 | CLA | C6-C7-C8-C9 |
| 31 | A | 845 | PQN | C21-C22-C23-C24 |
| 30 | 15 | 313 | CLA | C10-C11-C12-C13 |
| 33 | A | 847 | BCR | C22-C23-C24-C25 |
| 33 | B | 842 | BCR | C14-C15-C16-C17 |
| 35 | B | 852 | LMT | C4-C5-C6-C7 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 7 | 304 | CLA | C16-C17-C18-C19 |
| 36 | B | 847 | LMG | C38-C39-C40-C41 |
| 35 | A | 854 | LMT | C11-C10-C9-C8 |
| 36 | 14 | 321 | LMG | C16-C17-C18-C19 |
| 35 | 1 | 311 | LMT | C9-C10-C11-C12 |
| 30 | B | 826 | CLA | O1D-CGD-O2D-CED |
| 38 | 2 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 38 | 12 | 309 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 12 | 309 | KC1 | CAA-CBA-CGA-O2A |
| 30 | B | 801 | CLA | C3-C5-C6-C7 |
| 30 | B | 851 | CLA | O1D-CGD-O2D-CED |
| 37 | 2 | 319 | A86 | C3-C4-C5-C6 |
| 30 | A | 826 | CLA | C2-C3-C5-C6 |
| 30 | A | 830 | CLA | C2-C3-C5-C6 |
| 29 | A | 801 | CL0 | C16-C17-C18-C20 |
| 30 | 15 | 302 | CLA | C16-C17-C18-C20 |
| 30 | B | 818 | CLA | C8-C10-C11-C12 |
| 36 | 2u | 204 | LMG | C11-C12-C13-C14 |
| 33 | B | 842 | BCR | C20-C21-C22-C37 |
| 33 | B | 844 | BCR | C35-C13-C14-C15 |
| 33 | B | 844 | BCR | C20-C21-C22-C37 |
| 33 | L | 204 | BCR | C35-C13-C14-C15 |
| 33 | M | 101 | BCR | C16-C17-C18-C36 |
| 39 | 2 | 316 | DD6 | C9-C10-C11-C12 |
| 39 | 7 | 317 | DD6 | C4-C5-C6-C7 |
| 39 | 7 | 318 | DD6 | C9-C10-C11-C12 |
| 30 | A | 828 | CLA | O1A-CGA-O2A-C1 |
| 34 | 2 | 320 | LHG | O10-C23-O8-C6 |
| 30 | A | 802 | CLA | C3-C5-C6-C7 |
| 38 | 2 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 30 | B | 809 | CLA | C16-C17-C18-C20 |
| 30 | B | 827 | CLA | O1A-CGA-O2A-C1 |
| 30 | 13 | 303 | CLA | C13-C15-C16-C17 |
| 37 | 13 | 313 | A86 | C7-C6-C8-C9 |
| 37 | 15 | 316 | A86 | C-C1-C24-C25 |
| 39 | 3 | 313 | DD6 | C12-C11-C13-C14 |
| 39 | 6 | 319 | DD6 | C12-C11-C13-C14 |
| 30 | A | 833 | CLA | C11-C10-C8-C7 |
| 30 | A | 839 | CLA | C12-C13-C15-C16 |
| 30 | B | 813 | CLA | C11-C12-C13-C15 |
| 30 | B | 819 | CLA | C11-C10-C8-C7 |
| 30 | B | 830 | CLA | C12-C13-C15-C16 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 2u | 202 | CLA | C6-C7-C8-C10 |
| 30 | 2u | 202 | CLA | C11-C12-C13-C15 |
| 30 | 2 | 309 | CLA | C12-C13-C15-C16 |
| 30 | 4 | 302 | CLA | C12-C13-C15-C16 |
| 30 | 7 | 309 | CLA | C12-C13-C15-C16 |
| 30 | 8 | 305 | CLA | C12-C13-C15-C16 |
| 30 | 11 | 309 | CLA | C12-C13-C15-C16 |
| 30 | 11 | 310 | CLA | C6-C7-C8-C10 |
| 30 | A | 825 | CLA | C10-C11-C12-C13 |
| 30 | A | 841 | CLA | C3-C5-C6-C7 |
| 30 | 6 | 307 | CLA | C8-C10-C11-C12 |
| 30 | 12 | 304 | CLA | C10-C11-C12-C13 |
| 33 | A | 849 | BCR | C21-C22-C23-C24 |
| 33 | J | 102 | BCR | C7-C8-C9-C10 |
| 33 | 2u | 201 | BCR | C21-C22-C23-C24 |
| 37 | 13 | 313 | A86 | C5-C6-C8-C9 |
| 37 | 15 | 316 | A86 | C2-C1-C24-C25 |
| 37 | 15 | 321 | A86 | C5-C6-C8-C9 |
| 39 | 3 | 316 | DD6 | C10-C11-C13-C14 |
| 39 | 4 | 313 | DD6 | C10-C11-C13-C14 |
| 39 | 11 | 313 | DD6 | C5-C6-C8-C9 |
| 39 | 15 | 318 | DD6 | C10-C11-C13-C14 |
| 39 | 15 | 319 | DD6 | C10-C11-C13-C14 |
| 30 | 4 | 306 | CLA | CBA-CGA-O2A-C1 |
| 30 | 8 | 309 | CLA | O1A-CGA-O2A-C1 |
| 30 | 9 | 307 | CLA | O1A-CGA-O2A-C1 |
| 30 | 10 | 303 | CLA | O1A-CGA-O2A-C1 |
| 30 | F | 203 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 813 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 317 | CLA | C4-C3-C5-C6 |
| 30 | 4 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | 11 | 308 | CLA | O1A-CGA-O2A-C1 |
| 30 | 12 | 304 | CLA | O1A-CGA-O2A-C1 |
| 38 | 3 | 304 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 12 | 309 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 13 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 30 | 2 | 304 | CLA | C3-C5-C6-C7 |
| 36 | 8 | 319 | LMG | C34-C35-C36-C37 |
| 30 | 15 | 305 | CLA | CBD-CGD-O2D-CED |
| 30 | 4 | 302 | CLA | C10-C11-C12-C13 |
| 35 | 11 | 317 | LMT | C3'-C4'-O1B-C1B |
| 33 | 2u | 201 | BCR | C19-C20-C21-C22 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | 8 | 320 | LMG | C18-C19-C20-C21 |
| 30 | L | 202 | CLA | O1A-CGA-O2A-C1 |
| 30 | 5 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | 6 | 310 | CLA | C10-C11-C12-C13 |
| 33 | L | 205 | BCR | C12-C13-C14-C15 |
| 39 | 5 | 314 | DD6 | C4-C5-C6-C8 |
| 39 | 7 | 318 | DD6 | C4-C5-C6-C8 |
| 30 | B | 829 | CLA | C10-C11-C12-C13 |
| 30 | 5 | 307 | CLA | C15-C16-C17-C18 |
| 30 | B | 817 | CLA | CAA-CBA-CGA-O2A |
| 34 | B | 848 | LHG | O6-C4-C5-O7 |
| 34 | 6 | 322 | LHG | O6-C4-C5-O7 |
| 30 | 5 | 308 | CLA | O1D-CGD-O2D-CED |
| 34 | 9 | 318 | LHG | C4-C5-C6-O8 |
| 36 | B | 847 | LMG | O1-C7-C8-C9 |
| 36 | 8 | 321 | LMG | C7-C8-C9-O8 |
| 30 | B | 808 | CLA | C5-C6-C7-C8 |
| 38 | 1 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 2 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 2 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 3 | 304 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 5 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 5 | 306 | KC1 | C2A-CAA-CBA-CGA |
| 38 | 6 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 7 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 307 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 9 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 11 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 12 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 13 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 14 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 6 | 312 | KC1 | CAA-CBA-CGA-O1A |
| 30 | A | 830 | CLA | O1A-CGA-O2A-C1 |
| 30 | 10 | 307 | CLA | O1A-CGA-O2A-C1 |
| 36 | 8 | 320 | LMG | O10-C28-O8-C9 |
| 30 | 13 | 301 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 813 | CLA | C4-C3-C5-C6 |
| 30 | A | 822 | CLA | C2A-CAA-CBA-CGA |
| 30 | 1 | 304 | CLA | C2-C3-C5-C6 |
| 30 | 2 | 303 | CLA | C2-C3-C5-C6 |
| 30 | 5 | 309 | CLA | C2-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 7 | 311 | CLA | C2-C3-C5-C6 |
| 37 | 3 | 315 | A86 | C28-C27-C29-C30 |
| 37 | 5 | 315 | A86 | C28-C27-C29-C30 |
| 37 | 7 | 315 | A86 | C28-C27-C29-C30 |
| 37 | 15 | 317 | A86 | C28-C27-C29-C30 |
| 36 | 5 | 318 | LMG | C10-C11-C12-C13 |
| 36 | 7 | 320 | LMG | C13-C14-C15-C16 |
| 30 | A | 814 | CLA | C3-C5-C6-C7 |
| 30 | 15 | 302 | CLA | C3-C5-C6-C7 |
| 34 | 9 | 318 | LHG | O7-C5-C6-O8 |
| 36 | 3 | 317 | LMG | O7-C8-C9-O8 |
| 30 | F | 202 | CLA | C8-C10-C11-C12 |
| 30 | F | 202 | CLA | C11-C10-C8-C9 |
| 30 | 4 | 302 | CLA | C14-C13-C15-C16 |
| 30 | 7 | 303 | CLA | C11-C12-C13-C14 |
| 30 | 7 | 309 | CLA | C14-C13-C15-C16 |
| 30 | 11 | 309 | CLA | C14-C13-C15-C16 |
| 38 | 14 | 308 | KC1 | C4C-C3C-CAC-CBC |
| 35 | 7 | 321 | LMT | C4-C5-C6-C7 |
| 36 | A | 856 | LMG | O10-C28-O8-C9 |
| 35 | A | 854 | LMT | C6-C7-C8-C9 |
| 30 | 15 | 313 | CLA | C13-C15-C16-C17 |
| 37 | 3 | 315 | A86 | C13-C14-C15-O1 |
| 37 | 5 | 301 | A86 | C13-C14-C15-O1 |
| 37 | 5 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 10 | 302 | A86 | C13-C14-C15-O1 |
| 37 | 10 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 11 | 301 | A86 | C13-C14-C15-O1 |
| 37 | 11 | 314 | A86 | C13-C14-C15-O1 |
| 37 | 11 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 12 | 314 | A86 | C13-C14-C15-O1 |
| 37 | 14 | 316 | A86 | C13-C14-C15-O1 |
| 37 | 14 | 317 | A86 | C13-C14-C15-O1 |
| 37 | 14 | 318 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 321 | A86 | C13-C14-C15-O1 |
| 34 | A | 852 | LHG | C7-C8-C9-C10 |
| 36 | B | 847 | LMG | C31-C32-C33-C34 |
| 30 | 4 | 306 | CLA | O1D-CGD-O2D-CED |
| 34 | 6 | 322 | LHG | C8-C7-O7-C5 |
| 30 | 5 | 304 | CLA | C2-C1-O2A-CGA |
| 30 | 6 | 306 | CLA | C2-C1-O2A-CGA |
| 39 | 1 | 310 | DD6 | C3-C4-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 15 | 309 | CLA | C16-C17-C18-C20 |
| 38 | 6 | 312 | KC1 | CAA-CBA-CGA-O2A |
| 30 | 15 | 304 | CLA | C3-C5-C6-C7 |
| 30 | A | 829 | CLA | C13-C15-C16-C17 |
| 30 | A | 829 | CLA | C15-C16-C17-C18 |
| 30 | B | 803 | CLA | C10-C11-C12-C13 |
| 30 | 4 | 304 | CLA | C10-C11-C12-C13 |
| 30 | 6 | 317 | CLA | C13-C15-C16-C17 |
| 30 | A | 840 | CLA | CBD-CGD-O2D-CED |
| 30 | 4 | 309 | CLA | CBA-CGA-O2A-C1 |
| 36 | 14 | 321 | LMG | C17-C18-C19-C20 |
| 30 | 3 | 307 | CLA | C4C-C3C-CAC-CBC |
| 30 | 6 | 304 | CLA | O1A-CGA-O2A-C1 |
| 35 | 7 | 301 | LMT | C7-C8-C9-C10 |
| 29 | A | 801 | CL0 | C3-C5-C6-C7 |
| 30 | B | 835 | CLA | C3-C5-C6-C7 |
| 38 | 8 | 306 | KC1 | CAA-CBA-CGA-O1A |
| 30 | 12 | 302 | CLA | O1D-CGD-O2D-CED |
| 35 | 1 | 311 | LMT | O1'-C1-C2-C3 |
| 30 | 5 | 311 | CLA | O1D-CGD-O2D-CED |
| 34 | A | 852 | LHG | O1-C1-C2-O2 |
| 30 | 11 | 309 | CLA | O1A-CGA-O2A-C1 |
| 30 | 15 | 308 | CLA | CBD-CGD-O2D-CED |
| 39 | 7 | 317 | DD6 | C-C1-C24-C25 |
| 35 | 12 | 301 | LMT | C4B-C5B-C6B-O6B |
| 30 | A | 823 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 836 | CLA | C1A-C2A-CAA-CBA |
| 30 | 1 | 305 | CLA | C1A-C2A-CAA-CBA |
| 30 | 3 | 310 | CLA | C1A-C2A-CAA-CBA |
| 30 | 7 | 311 | CLA | C1A-C2A-CAA-CBA |
| 30 | 8 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 11 | 304 | CLA | C1A-C2A-CAA-CBA |
| 37 | 2 | 319 | A86 | O-C13-C14-C15 |
| 37 | 4 | 314 | A86 | O-C13-C14-C15 |
| 37 | 5 | 301 | A86 | O-C13-C14-C15 |
| 37 | 8 | 318 | A86 | O-C13-C14-C15 |
| 37 | 9 | 316 | A86 | O-C13-C14-C15 |
| 37 | 10 | 316 | A86 | O-C13-C14-C15 |
| 37 | 12 | 314 | A86 | O-C13-C14-C15 |
| 37 | 12 | 316 | A86 | O-C13-C14-C15 |
| 37 | 15 | 321 | A86 | O-C13-C14-C15 |
| 34 | 6 | 322 | LHG | C24-C23-O8-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | 8 | 320 | LMG | C15-C16-C17-C18 |
| 36 | 3 | 317 | LMG | C28-C29-C30-C31 |
| 30 | A | 803 | CLA | C4-C3-C5-C6 |
| 30 | A | 828 | CLA | C4-C3-C5-C6 |
| 30 | F | 202 | CLA | C4-C3-C5-C6 |
| 33 | A | 850 | BCR | C22-C23-C24-C25 |
| 30 | B | 837 | CLA | C2-C3-C5-C6 |
| 33 | A | 848 | BCR | C21-C22-C23-C24 |
| 39 | 6 | 318 | DD6 | C2-C1-C24-C25 |
| 30 | 10 | 303 | CLA | C2A-CAA-CBA-CGA |
| 36 | B | 847 | LMG | C17-C18-C19-C20 |
| 30 | 16 | 306 | CLA | CBD-CGD-O2D-CED |
| 34 | A | 852 | LHG | O9-C7-O7-C5 |
| 30 | A | 809 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 802 | CLA | C6-C7-C8-C10 |
| 30 | A | 820 | CLA | C11-C12-C13-C15 |
| 30 | B | 801 | CLA | C11-C10-C8-C7 |
| 30 | B | 851 | CLA | C11-C10-C8-C7 |
| 30 | F | 202 | CLA | C11-C12-C13-C15 |
| 30 | F | 202 | CLA | C12-C13-C15-C16 |
| 30 | 3 | 307 | CLA | C11-C12-C13-C15 |
| 30 | 6 | 310 | CLA | C12-C13-C15-C16 |
| 30 | 6 | 317 | CLA | C12-C13-C15-C16 |
| 30 | 7 | 310 | CLA | C12-C13-C15-C16 |
| 30 | 9 | 305 | CLA | C11-C12-C13-C15 |
| 30 | 9 | 309 | CLA | C12-C13-C15-C16 |
| 30 | 11 | 309 | CLA | C11-C10-C8-C7 |
| 30 | 12 | 302 | CLA | C11-C12-C13-C15 |
| 30 | 13 | 302 | CLA | C6-C7-C8-C10 |
| 35 | A | 857 | LMT | C2-C3-C4-C5 |
| 30 | A | 839 | CLA | C10-C11-C12-C13 |
| 36 | B | 847 | LMG | C12-C13-C14-C15 |
| 30 | A | 813 | CLA | O1D-CGD-O2D-CED |
| 38 | 8 | 312 | KC1 | CBD-CGD-O2D-CED |
| 30 | 2u | 202 | CLA | C5-C6-C7-C8 |
| 30 | 8 | 305 | CLA | C13-C15-C16-C17 |
| 36 | 6 | 301 | LMG | C11-C12-C13-C14 |
| 30 | 3 | 305 | CLA | O1A-CGA-O2A-C1 |
| 30 | 6 | 305 | CLA | C15-C16-C17-C18 |
| 30 | A | 807 | CLA | C3A-C2A-CAA-CBA |
| 30 | 12 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 11 | 309 | CLA | C2-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 12 | 308 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 316 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 804 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 801 | CLA | C11-C10-C8-C9 |
| 30 | B | 838 | CLA | C14-C13-C15-C16 |
| 30 | 2u | 202 | CLA | C11-C12-C13-C14 |
| 30 | 2 | 309 | CLA | C14-C13-C15-C16 |
| 30 | 6 | 307 | CLA | C11-C10-C8-C9 |
| 30 | 8 | 305 | CLA | C14-C13-C15-C16 |
| 30 | 15 | 304 | CLA | C11-C12-C13-C14 |
| 30 | 4 | 306 | CLA | O1A-CGA-O2A-C1 |
| 30 | 4 | 309 | CLA | O1A-CGA-O2A-C1 |
| 37 | 3 | 315 | A86 | C3-C4-C5-C6 |
| 37 | 6 | 320 | A86 | C11-C10-C9-C8 |
| 37 | 10 | 317 | A86 | C24-C25-C26-C27 |
| 39 | 6 | 303 | DD6 | C11-C10-C9-C8 |
| 30 | A | 813 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 823 | CLA | C1-C2-C3-C4 |
| 30 | 4 | 301 | CLA | C1-C2-C3-C4 |
| 37 | 15 | 317 | A86 | C26-C27-C29-C30 |
| 37 | 16 | 312 | A86 | C26-C27-C29-C30 |
| 38 | 1 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 2 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 3 | 304 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 4 | 310 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 5 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 8 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 9 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 10 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 12 | 305 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 12 | 305 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 12 | 313 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 13 | 305 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 13 | 310 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 14 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 30 | B | 816 | CLA | C3-C5-C6-C7 |
| 38 | 9 | 311 | KC1 | O1D-CGD-O2D-CED |
| 34 | B | 848 | LHG | O10-C23-C24-C25 |
| 30 | A | 827 | CLA | O1A-CGA-O2A-C1 |
| 34 | B | 848 | LHG | O7-C5-C6-O8 |
| 36 | A | 856 | LMG | O7-C8-C9-O8 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | 8 | 321 | LMG | O7-C8-C9-O8 |
| 36 | 14 | 321 | LMG | O7-C8-C9-O8 |
| 38 | 8 | 306 | KC1 | CAA-CBA-CGA-O2A |
| 30 | 2 | 311 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 812 | CLA | CBA-CGA-O2A-C1 |
| 36 | F | 205 | LMG | C7-C8-C9-O8 |
| 36 | 2u | 204 | LMG | O1-C7-C8-C9 |
| 36 | 6 | 301 | LMG | O1-C7-C8-C9 |
| 36 | 8 | 319 | LMG | O1-C7-C8-C9 |
| 30 | 7 | 305 | CLA | C3-C5-C6-C7 |
| 30 | A | 806 | CLA | CAD-CBD-CGD-O2D |
| 30 | 4 | 304 | CLA | CAD-CBD-CGD-O2D |
| 30 | 4 | 309 | CLA | CAD-CBD-CGD-O2D |
| 30 | 5 | 304 | CLA | CAD-CBD-CGD-O2D |
| 30 | 7 | 312 | CLA | CAD-CBD-CGD-O2D |
| 30 | 13 | 304 | CLA | CAD-CBD-CGD-O2D |
| 37 | 4 | 312 | A86 | C13-C14-C15-C20 |
| 37 | 7 | 319 | A86 | C13-C14-C15-C20 |
| 37 | 14 | 320 | A86 | C13-C14-C15-C20 |
| 37 | 15 | 316 | A86 | C13-C14-C15-C20 |
| 37 | 15 | 317 | A86 | C13-C14-C15-C20 |
| 37 | 15 | 323 | A86 | C13-C14-C15-C20 |
| 38 | 12 | 311 | KC1 | CAD-CBD-CGD-O2D |
| 30 | B | 839 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 831 | CLA | C5-C6-C7-C8 |
| 36 | 6 | 301 | LMG | C10-C11-C12-C13 |
| 30 | 7 | 305 | CLA | C16-C17-C18-C20 |
| 35 | A | 854 | LMT | C5'-C4'-O1B-C1B |
| 30 | A | 829 | CLA | C2A-CAA-CBA-CGA |
| 30 | 4 | 305 | CLA | C2A-CAA-CBA-CGA |
| 36 | 14 | 321 | LMG | C30-C31-C32-C33 |
| 30 | 6 | 306 | CLA | C5-C6-C7-C8 |
| 30 | A | 807 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 812 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 804 | CLA | CHA-CBD-CGD-O1D |
| 30 | A | 804 | CLA | CHA-CBD-CGD-O2D |
| 30 | A | 806 | CLA | CAD-CBD-CGD-O1D |
| 30 | A | 826 | CLA | CHA-CBD-CGD-O1D |
| 30 | A | 826 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 804 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 815 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 815 | CLA | CHA-CBD-CGD-O2D |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 820 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 820 | CLA | CHA-CBD-CGD-O2D |
| 30 | B | 821 | CLA | CHA-CBD-CGD-O1D |
| 30 | B | 834 | CLA | CAD-CBD-CGD-O1D |
| 30 | F | 203 | CLA | CHA-CBD-CGD-O2D |
| 30 | 3 | 306 | CLA | CHA-CBD-CGD-O2D |
| 30 | 4 | 304 | CLA | CAD-CBD-CGD-O1D |
| 30 | 4 | 309 | CLA | CAD-CBD-CGD-O1D |
| 30 | 5 | 304 | CLA | CAD-CBD-CGD-O1D |
| 30 | 6 | 315 | CLA | CAD-CBD-CGD-O1D |
| 30 | 7 | 312 | CLA | CAD-CBD-CGD-O1D |
| 30 | 8 | 305 | CLA | CHA-CBD-CGD-O2D |
| 30 | 8 | 308 | CLA | CAD-CBD-CGD-O1D |
| 30 | 13 | 304 | CLA | CAD-CBD-CGD-O1D |
| 30 | 14 | 303 | CLA | CHA-CBD-CGD-O1D |
| 30 | 14 | 312 | CLA | CAD-CBD-CGD-O1D |
| 30 | 15 | 308 | CLA | CHA-CBD-CGD-O1D |
| 30 | 15 | 308 | CLA | CHA-CBD-CGD-O2D |
| 30 | 15 | 312 | CLA | CHA-CBD-CGD-O1D |
| 30 | 15 | 312 | CLA | CHA-CBD-CGD-O2D |
| 34 | A | 853 | LHG | C3-O3-P-O5 |
| 34 | 2 | 320 | LHG | C4-O6-P-O4 |
| 34 | 5 | 317 | LHG | C3-O3-P-O5 |
| 34 | 6 | 322 | LHG | C4-O6-P-O3 |
| 34 | 6 | 322 | LHG | C4-O6-P-O4 |
| 34 | 9 | 318 | LHG | C4-O6-P-O4 |
| 37 | 6 | 320 | A86 | C3-C4-C5-C6 |
| 37 | 8 | 318 | A86 | C11-C13-C14-C15 |
| 37 | 9 | 316 | A86 | C10-C11-C13-C14 |
| 37 | 11 | 301 | A86 | C24-C25-C26-C27 |
| 37 | 12 | 314 | A86 | C10-C11-C13-C14 |
| 37 | 14 | 318 | A86 | C10-C11-C13-C14 |
| 37 | 15 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 16 | 312 | A86 | C10-C11-C13-C14 |
| 38 | 1 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 1 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 6 | 312 | KC1 | CAD-CBD-CGD-O1D |
| 38 | 9 | 311 | KC1 | CHA-CBD-CGD-O2D |
| 38 | 12 | 311 | KC1 | CAD-CBD-CGD-O1D |
| 38 | 14 | 306 | KC1 | CHA-CBD-CGD-O1D |
| 38 | 14 | 306 | KC1 | CHA-CBD-CGD-O2D |
| 39 | 5 | 314 | DD6 | C3-C4-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 39 | 7 | 302 | DD6 | C11-C10-C9-C8 |
| 39 | 7 | 314 | DD6 | C11-C10-C9-C8 |
| 39 | 7 | 314 | DD6 | C1-C2-C3-C4 |
| 39 | 10 | 314 | DD6 | C24-C25-C26-C27 |
| 39 | 15 | 319 | DD6 | C24-C25-C26-C27 |
| 30 | 10 | 308 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 814 | CLA | C10-C11-C12-C13 |
| 30 | A | 816 | CLA | C4-C3-C5-C6 |
| 30 | 11 | 310 | CLA | C4-C3-C5-C6 |
| 33 | B | 846 | BCR | C23-C24-C25-C30 |
| 33 | L | 201 | BCR | C23-C24-C25-C30 |
| 30 | A | 819 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 813 | CLA | C2-C3-C5-C6 |
| 30 | A | 828 | CLA | C2-C3-C5-C6 |
| 30 | B | 813 | CLA | C2-C3-C5-C6 |
| 30 | 2 | 310 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 317 | CLA | C2-C3-C5-C6 |
| 37 | 2 | 302 | A86 | C35-C34-O4-C38 |
| 33 | B | 843 | BCR | C36-C18-C19-C20 |
| 30 | 15 | 313 | CLA | C3-C5-C6-C7 |
| 37 | 2u | 203 | A86 | C12-C11-C13-C14 |
| 37 | 5 | 301 | A86 | C12-C11-C13-C14 |
| 37 | 12 | 314 | A86 | C12-C11-C13-C14 |
| 37 | 14 | 316 | A86 | C12-C11-C13-C14 |
| 37 | 14 | 318 | A86 | C12-C11-C13-C14 |
| 37 | 16 | 312 | A86 | C12-C11-C13-C14 |
| 30 | 4 | 305 | CLA | C3-C5-C6-C7 |
| 30 | A | 805 | CLA | C11-C12-C13-C14 |
| 30 | 4 | 305 | CLA | C5-C6-C7-C8 |
| 30 | 6 | 314 | CLA | C13-C15-C16-C17 |
| 30 | B | 830 | CLA | C4-C3-C5-C6 |
| 37 | 2u | 203 | A86 | C6-C8-C9-C10 |
| 37 | 2u | 205 | A86 | C6-C8-C9-C10 |
| 37 | 2 | 302 | A86 | C1-C24-C25-C26 |
| 37 | 4 | 314 | A86 | C6-C8-C9-C10 |
| 37 | 9 | 315 | A86 | C1-C24-C25-C26 |
| 37 | 10 | 301 | A86 | C1-C24-C25-C26 |
| 37 | 10 | 302 | A86 | C1-C24-C25-C26 |
| 37 | 10 | 302 | A86 | C6-C8-C9-C10 |
| 37 | 11 | 301 | A86 | C6-C8-C9-C10 |
| 37 | 13 | 313 | A86 | C6-C8-C9-C10 |
| 37 | 15 | 315 | A86 | C1-C24-C25-C26 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 15 | 315 | A86 | C6-C8-C9-C10 |
| 37 | 15 | 320 | A86 | C6-C8-C9-C10 |
| 37 | 15 | 323 | A86 | C6-C8-C9-C10 |
| 37 | 16 | 312 | A86 | C6-C8-C9-C10 |
| 39 | 2 | 315 | DD6 | C6-C8-C9-C10 |
| 39 | 10 | 313 | DD6 | C6-C8-C9-C10 |
| 30 | 5 | 307 | CLA | C5-C6-C7-C8 |
| 36 | 8 | 320 | LMG | C14-C15-C16-C17 |
| 30 | 1 | 304 | CLA | CBD-CGD-O2D-CED |
| 34 | A | 852 | LHG | C31-C32-C33-C34 |
| 37 | 10 | 316 | A86 | C11-C10-C9-C8 |
| 30 | B | 813 | CLA | C16-C17-C18-C20 |
| 30 | 7 | 305 | CLA | C16-C17-C18-C19 |
| 30 | 9 | 305 | CLA | C15-C16-C17-C18 |
| 30 | 6 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 804 | CLA | C11-C12-C13-C14 |
| 30 | A | 822 | CLA | C14-C13-C15-C16 |
| 30 | B | 851 | CLA | C11-C10-C8-C9 |
| 30 | F | 202 | CLA | C14-C13-C15-C16 |
| 30 | 2 | 301 | CLA | C11-C10-C8-C9 |
| 30 | 4 | 304 | CLA | C11-C10-C8-C9 |
| 30 | 6 | 310 | CLA | C14-C13-C15-C16 |
| 30 | 7 | 307 | CLA | C14-C13-C15-C16 |
| 30 | 7 | 310 | CLA | C14-C13-C15-C16 |
| 30 | 9 | 303 | CLA | C11-C10-C8-C9 |
| 30 | 10 | 303 | CLA | C14-C13-C15-C16 |
| 30 | 15 | 302 | CLA | C6-C7-C8-C9 |
| 30 | A | 834 | CLA | C11-C12-C13-C15 |
| 30 | 6 | 304 | CLA | C12-C13-C15-C16 |
| 30 | 16 | 303 | CLA | C11-C12-C13-C15 |
| 34 | A | 852 | LHG | C28-C29-C30-C31 |
| 33 | A | 848 | BCR | C20-C21-C22-C23 |
| 33 | B | 845 | BCR | C20-C21-C22-C23 |
| 39 | 2 | 315 | DD6 | C24-C1-C2-C3 |
| 39 | 3 | 313 | DD6 | C9-C10-C11-C13 |
| 39 | 10 | 313 | DD6 | C24-C1-C2-C3 |
| 39 | 12 | 317 | DD6 | C24-C1-C2-C3 |
| 33 | F | 204 | BCR | C6-C7-C8-C9 |
| 33 | J | 102 | BCR | C6-C7-C8-C9 |
| 36 | B | 847 | LMG | C18-C19-C20-C21 |
| 30 | 8 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 12 | 302 | CLA | CAA-CBA-CGA-O2A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 34 | B | 848 | LHG | C10-C11-C12-C13 |
| 38 | 8 | 312 | KC1 | O1D-CGD-O2D-CED |
| 38 | 10 | 310 | KC1 | O1D-CGD-O2D-CED |
| 30 | A | 805 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 10 | 305 | CLA | C2-C3-C5-C6 |
| 30 | 15 | 309 | CLA | C2-C3-C5-C6 |
| 36 | 14 | 321 | LMG | C14-C15-C16-C17 |
| 35 | 12 | 301 | LMT | C1-C2-C3-C4 |
| 30 | A | 827 | CLA | CBA-CGA-O2A-C1 |
| 30 | 6 | 316 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 816 | CLA | C16-C17-C18-C19 |
| 30 | B | 809 | CLA | C16-C17-C18-C19 |
| 30 | A | 816 | CLA | C15-C16-C17-C18 |
| 30 | 15 | 304 | CLA | C13-C15-C16-C17 |
| 36 | A | 856 | LMG | C29-C30-C31-C32 |
| 30 | B | 833 | CLA | C10-C11-C12-C13 |
| 30 | 6 | 307 | CLA | CAA-CBA-CGA-O2A |
| 39 | 6 | 303 | DD6 | C3-C4-C5-C6 |
| 30 | 15 | 309 | CLA | C16-C17-C18-C19 |
| 36 | 14 | 321 | LMG | C11-C10-O7-C8 |
| 30 | 2 | 307 | CLA | CAA-CBA-CGA-O2A |
| 36 | 7 | 320 | LMG | O9-C10-O7-C8 |
| 30 | A | 821 | CLA | C2-C1-O2A-CGA |
| 30 | 13 | 302 | CLA | C2-C1-O2A-CGA |
| 36 | 2u | 204 | LMG | C28-C29-C30-C31 |
| 30 | A | 829 | CLA | C16-C17-C18-C20 |
| 30 | 4 | 304 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 808 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 309 | CLA | C3-C5-C6-C7 |
| 30 | 5 | 304 | CLA | CAA-CBA-CGA-O2A |
| 30 | 13 | 301 | CLA | C8-C10-C11-C12 |
| 34 | A | 853 | LHG | C8-C7-O7-C5 |
| 37 | 14 | 301 | A86 | C35-C34-O4-C38 |
| 36 | 14 | 321 | LMG | C12-C13-C14-C15 |
| 36 | 3 | 317 | LMG | C8-C7-O1-C1 |
| 30 | 1 | 301 | CLA | C5-C6-C7-C8 |
| 30 | 11 | 304 | CLA | C13-C15-C16-C17 |
| 35 | 11 | 303 | LMT | C5-C6-C7-C8 |
| 30 | A | 809 | CLA | C2A-CAA-CBA-CGA |
| 30 | 3 | 305 | CLA | C2A-CAA-CBA-CGA |
| 33 | A | 847 | BCR | C15-C16-C17-C18 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 5 | 315 | A86 | C11-C10-C9-C8 |
| 37 | 14 | 316 | A86 | C11-C10-C9-C8 |
| 37 | 15 | 317 | A86 | C1-C2-C3-C4 |
| 39 | 3 | 316 | DD6 | C24-C25-C26-C27 |
| 30 | A | 826 | CLA | C16-C17-C18-C20 |
| 35 | 12 | 320 | LMT | C5-C6-C7-C8 |
| 35 | 15 | 301 | LMT | O5'-C1'-O1'-C1 |
| 30 | A | 803 | CLA | C2-C3-C5-C6 |
| 38 | 1 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 11 | 311 | KC1 | C2B-C3B-CAB-CBB |
| 30 | A | 841 | CLA | C15-C16-C17-C18 |
| 36 | B | 849 | LMG | C28-C29-C30-C31 |
| 30 | 15 | 305 | CLA | O1D-CGD-O2D-CED |
| 37 | 16 | 312 | A86 | C13-C14-C15-C16 |
| 30 | A | 813 | CLA | C6-C7-C8-C9 |
| 30 | B | 838 | CLA | C11-C10-C8-C9 |
| 30 | F | 202 | CLA | C11-C12-C13-C14 |
| 30 | 1 | 303 | CLA | C14-C13-C15-C16 |
| 30 | 6 | 304 | CLA | C14-C13-C15-C16 |
| 30 | 6 | 317 | CLA | C14-C13-C15-C16 |
| 30 | 9 | 305 | CLA | C11-C12-C13-C14 |
| 30 | 12 | 302 | CLA | C11-C12-C13-C14 |
| 30 | 13 | 302 | CLA | C6-C7-C8-C9 |
| 30 | J | 101 | CLA | CAA-CBA-CGA-O2A |
| 30 | 15 | 306 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 838 | CLA | CBA-CGA-O2A-C1 |
| 30 | 3 | 305 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2 | 310 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 824 | CLA | C4-C3-C5-C6 |
| 30 | B | 826 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 312 | CLA | C4-C3-C5-C6 |
| 30 | A | 816 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 305 | CLA | C2-C3-C5-C6 |
| 34 | A | 852 | LHG | O6-C4-C5-O7 |
| 33 | A | 848 | BCR | C15-C16-C17-C18 |
| 38 | 2 | 314 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 3 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 3 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 4 | 307 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 5 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 5 | 312 | KC1 | C4B-C3B-CAB-CBB |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 6 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 6 | 313 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 8 | 314 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 9 | 304 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 9 | 310 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 9 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 10 | 306 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 11 | 307 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 11 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 12 | 305 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 12 | 309 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 13 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 13 | 312 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 14 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 16 | 304 | KC1 | C4B-C3B-CAB-CBB |
| 35 | 16 | 315 | LMT | C6-C7-C8-C9 |
| 30 | 10 | 311 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 804 | CLA | C11-C12-C13-C15 |
| 30 | A | 813 | CLA | C6-C7-C8-C10 |
| 30 | 1 | 303 | CLA | C12-C13-C15-C16 |
| 30 | 5 | 309 | CLA | C11-C10-C8-C7 |
| 30 | 16 | 303 | CLA | C12-C13-C15-C16 |
| 35 | 11 | 317 | LMT | C5'-C4'-O1B-C1B |
| 30 | 12 | 310 | CLA | C8-C10-C11-C12 |
| 30 | A | 838 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2 | 311 | CLA | O1A-CGA-O2A-C1 |
| 30 | 7 | 309 | CLA | O1A-CGA-O2A-C1 |
| 36 | 3 | 317 | LMG | C10-C11-C12-C13 |
| 34 | A | 853 | LHG | C24-C23-O8-C6 |
| 29 | A | 801 | CL0 | CAA-CBA-CGA-O2A |
| 30 | A | 835 | CLA | C5-C6-C7-C8 |
| 30 | A | 837 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 812 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 851 | CLA | C3A-C2A-CAA-CBA |
| 30 | 4 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | 6 | 307 | CLA | C3A-C2A-CAA-CBA |
| 30 | 14 | 302 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 304 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 830 | CLA | C2-C3-C5-C6 |
| 30 | F | 202 | CLA | C2-C3-C5-C6 |
| 36 | 6 | 301 | LMG | C14-C15-C16-C17 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 1 | 304 | CLA | C8-C10-C11-C12 |
| 33 | L | 204 | BCR | C11-C10-C9-C34 |
| 37 | 2u | 203 | A86 | C-C1-C2-C3 |
| 37 | 2u | 203 | A86 | C4-C5-C6-C7 |
| 37 | 2u | 205 | A86 | C-C1-C2-C3 |
| 37 | 2u | 205 | A86 | C4-C5-C6-C7 |
| 37 | 3 | 314 | A86 | C-C1-C2-C3 |
| 37 | 4 | 314 | A86 | C-C1-C2-C3 |
| 37 | 4 | 314 | A86 | C4-C5-C6-C7 |
| 37 | 7 | 319 | A86 | C-C1-C2-C3 |
| 37 | 7 | 319 | A86 | C4-C5-C6-C7 |
| 37 | 8 | 318 | A86 | C-C1-C2-C3 |
| 37 | 10 | 301 | A86 | C25-C26-C27-C28 |
| 37 | 11 | 301 | A86 | C-C1-C2-C3 |
| 37 | 11 | 301 | A86 | C4-C5-C6-C7 |
| 37 | 14 | 320 | A86 | C-C1-C2-C3 |
| 37 | 15 | 322 | A86 | C-C1-C2-C3 |
| 39 | 10 | 313 | DD6 | C9-C10-C11-C12 |
| 30 | 8 | 302 | CLA | CBD-CGD-O2D-CED |
| 30 | A | 832 | CLA | C2-C1-O2A-CGA |
| 30 | A | 835 | CLA | C2-C1-O2A-CGA |
| 30 | 6 | 317 | CLA | C2-C1-O2A-CGA |
| 30 | 7 | 311 | CLA | C2-C1-O2A-CGA |
| 30 | 15 | 304 | CLA | C2-C1-O2A-CGA |
| 37 | 3 | 314 | A86 | C24-C25-C26-C27 |
| 37 | 6 | 320 | A86 | C1-C2-C3-C4 |
| 37 | 9 | 315 | A86 | C1-C2-C3-C4 |
| 37 | 14 | 314 | A86 | C3-C4-C5-C6 |
| 39 | 9 | 314 | DD6 | C24-C25-C26-C27 |
| 30 | 3 | 302 | CLA | C3-C5-C6-C7 |
| 35 | A | 854 | LMT | C9-C10-C11-C12 |
| 36 | 5 | 318 | LMG | C30-C31-C32-C33 |
| 30 | 13 | 304 | CLA | CAA-CBA-CGA-O2A |
| 30 | 15 | 306 | CLA | CAA-CBA-CGA-O1A |
| 30 | B | 819 | CLA | C10-C11-C12-C13 |
| 30 | A | 810 | CLA | C4-C3-C5-C6 |
| 30 | 2 | 304 | CLA | C4-C3-C5-C6 |
| 30 | 12 | 310 | CLA | C4-C3-C5-C6 |
| 30 | 14 | 307 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 306 | CLA | CAA-CBA-CGA-O2A |
| 30 | 11 | 310 | CLA | C2-C3-C5-C6 |
| 30 | A | 803 | CLA | C2A-CAA-CBA-CGA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 827 | CLA | C2A-CAA-CBA-CGA |
| 30 | 15 | 302 | CLA | C2A-CAA-CBA-CGA |
| 30 | J | 101 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 825 | CLA | C11-C12-C13-C14 |
| 30 | A | 826 | CLA | O1D-CGD-O2D-CED |
| 30 | 8 | 301 | CLA | O1A-CGA-O2A-C1 |
| 36 | 7 | 320 | LMG | C7-C8-C9-O8 |
| 37 | 3 | 315 | A86 | C12-C11-C13-O |
| 37 | 4 | 314 | A86 | C12-C11-C13-O |
| 37 | 12 | 316 | A86 | C12-C11-C13-O |
| 37 | 15 | 317 | A86 | C12-C11-C13-O |
| 30 | 9 | 306 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 805 | CLA | C6-C7-C8-C9 |
| 30 | 3 | 302 | CLA | C6-C7-C8-C9 |
| 30 | 3 | 305 | CLA | C6-C7-C8-C9 |
| 30 | 5 | 311 | CLA | C11-C10-C8-C9 |
| 35 | A | 854 | LMT | O1'-C1-C2-C3 |
| 30 | A | 842 | CLA | C13-C15-C16-C17 |
| 30 | 10 | 308 | CLA | C15-C16-C17-C18 |
| 30 | F | 203 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 815 | CLA | C13-C15-C16-C17 |
| 30 | B | 801 | CLA | C5-C6-C7-C8 |
| 30 | 6 | 304 | CLA | C10-C11-C12-C13 |
| 35 | A | 854 | LMT | C3'-C4'-O1B-C1B |
| 30 | A | 844 | CLA | C16-C17-C18-C19 |
| 30 | 15 | 303 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 805 | CLA | C2-C3-C5-C6 |
| 30 | A | 810 | CLA | C2-C3-C5-C6 |
| 30 | 8 | 303 | CLA | C2-C3-C5-C6 |
| 35 | 7 | 301 | LMT | O5B-C1B-O1B-C4' |
| 34 | 6 | 322 | LHG | O1-C1-C2-O2 |
| 30 | A | 842 | CLA | O1A-CGA-O2A-C1 |
| 30 | 2 | 305 | CLA | C3-C5-C6-C7 |
| 30 | 9 | 306 | CLA | CAA-CBA-CGA-O2A |
| 30 | 2 | 308 | CLA | C2A-CAA-CBA-CGA |
| 30 | 8 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 12 | 304 | CLA | CAA-CBA-CGA-O1A |
| 30 | 16 | 302 | CLA | C15-C16-C17-C18 |
| 38 | 3 | 308 | KC1 | CAA-CBA-CGA-O1A |
| 30 | A | 802 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 814 | CLA | C1A-C2A-CAA-CBA |
| 30 | A | 817 | CLA | C1A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 820 | CLA | C1A-C2A-CAA-CBA |
| 30 | B | 825 | CLA | C1A-C2A-CAA-CBA |
| 30 | 1 | 303 | CLA | C1A-C2A-CAA-CBA |
| 30 | 4 | 309 | CLA | C1A-C2A-CAA-CBA |
| 30 | 15 | 310 | CLA | C1A-C2A-CAA-CBA |
| 33 | A | 847 | BCR | C11-C10-C9-C8 |
| 33 | A | 849 | BCR | C11-C10-C9-C8 |
| 33 | B | 842 | BCR | C11-C10-C9-C8 |
| 37 | 2u | 203 | A86 | C24-C1-C2-C3 |
| 37 | 2u | 203 | A86 | C4-C5-C6-C8 |
| 37 | 2u | 205 | A86 | C24-C1-C2-C3 |
| 37 | 2u | 205 | A86 | C4-C5-C6-C8 |
| 37 | 3 | 314 | A86 | C24-C1-C2-C3 |
| 37 | 3 | 315 | A86 | C10-C11-C13-O |
| 37 | 4 | 314 | A86 | C24-C1-C2-C3 |
| 37 | 4 | 314 | A86 | C4-C5-C6-C8 |
| 37 | 7 | 319 | A86 | C24-C1-C2-C3 |
| 37 | 7 | 319 | A86 | C4-C5-C6-C8 |
| 37 | 10 | 301 | A86 | C25-C26-C27-C29 |
| 37 | 11 | 301 | A86 | C24-C1-C2-C3 |
| 37 | 11 | 301 | A86 | C4-C5-C6-C8 |
| 37 | 12 | 316 | A86 | C10-C11-C13-O |
| 37 | 13 | 315 | A86 | C10-C11-C13-O |
| 37 | 14 | 320 | A86 | C24-C1-C2-C3 |
| 37 | 15 | 321 | A86 | C10-C11-C13-O |
| 37 | 15 | 322 | A86 | C24-C1-C2-C3 |
| 37 | 15 | 323 | A86 | C10-C11-C13-O |
| 39 | 3 | 312 | DD6 | C24-C1-C2-C3 |
| 39 | 5 | 313 | DD6 | C24-C1-C2-C3 |
| 35 | 1 | 311 | LMT | C5-C6-C7-C8 |
| 33 | A | 847 | BCR | C5-C6-C7-C8 |
| 33 | A | 848 | BCR | C5-C6-C7-C8 |
| 33 | A | 848 | BCR | C23-C24-C25-C30 |
| 33 | A | 849 | BCR | C5-C6-C7-C8 |
| 33 | A | 850 | BCR | C5-C6-C7-C8 |
| 33 | A | 850 | BCR | C23-C24-C25-C26 |
| 33 | A | 851 | BCR | C5-C6-C7-C8 |
| 33 | A | 851 | BCR | C23-C24-C25-C26 |
| 33 | A | 851 | BCR | C23-C24-C25-C30 |
| 33 | B | 841 | BCR | C1-C6-C7-C8 |
| 33 | B | 841 | BCR | C5-C6-C7-C8 |
| 33 | B | 841 | BCR | C23-C24-C25-C26 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 33 | B | 842 | BCR | C5-C6-C7-C8 |
| 33 | B | 843 | BCR | C5-C6-C7-C8 |
| 33 | B | 844 | BCR | C1-C6-C7-C8 |
| 33 | B | 844 | BCR | C23-C24-C25-C26 |
| 33 | B | 845 | BCR | C1-C6-C7-C8 |
| 33 | B | 846 | BCR | C5-C6-C7-C8 |
| 33 | B | 846 | BCR | C23-C24-C25-C26 |
| 33 | F | 204 | BCR | C1-C6-C7-C8 |
| 33 | J | 103 | BCR | C5-C6-C7-C8 |
| 33 | L | 201 | BCR | C1-C6-C7-C8 |
| 33 | L | 201 | BCR | C23-C24-C25-C26 |
| 33 | L | 204 | BCR | C1-C6-C7-C8 |
| 33 | L | 205 | BCR | C5-C6-C7-C8 |
| 33 | L | 205 | BCR | C23-C24-C25-C30 |
| 33 | M | 101 | BCR | C5-C6-C7-C8 |
| 33 | M | 101 | BCR | C23-C24-C25-C30 |
| 30 | 2 | 310 | CLA | CBA-CGA-O2A-C1 |
| 30 | 2 | 311 | CLA | CBA-CGA-O2A-C1 |
| 30 | 7 | 309 | CLA | CBA-CGA-O2A-C1 |
| 36 | A | 856 | LMG | C32-C33-C34-C35 |
| 30 | 2 | 305 | CLA | C4-C3-C5-C6 |
| 30 | 5 | 307 | CLA | C4-C3-C5-C6 |
| 30 | B | 826 | CLA | C2-C3-C5-C6 |
| 30 | 12 | 310 | CLA | C2-C3-C5-C6 |
| 35 | 11 | 318 | LMT | O5B-C1B-O1B-C4' |
| 30 | F | 203 | CLA | CAA-CBA-CGA-O1A |
| 30 | 15 | 310 | CLA | CAA-CBA-CGA-O2A |
| 34 | A | 852 | LHG | C34-C35-C36-C37 |
| 30 | A | 812 | CLA | C6-C7-C8-C10 |
| 30 | 5 | 302 | CLA | C11-C10-C8-C7 |
| 30 | 15 | 304 | CLA | C11-C10-C8-C7 |
| 31 | A | 845 | PQN | C17-C18-C20-C21 |
| 36 | 2u | 204 | LMG | O7-C8-C9-O8 |
| 35 | 12 | 301 | LMT | O1'-C1-C2-C3 |
| 30 | A | 816 | CLA | C16-C17-C18-C20 |
| 33 | B | 841 | BCR | C36-C18-C19-C20 |
| 33 | L | 201 | BCR | C11-C12-C13-C35 |
| 30 | 11 | 308 | CLA | C4-C3-C5-C6 |
| 30 | B | 828 | CLA | C8-C10-C11-C12 |
| 30 | B | 835 | CLA | C5-C6-C7-C8 |
| 30 | 2 | 304 | CLA | C2-C3-C5-C6 |
| 30 | 5 | 307 | CLA | C2-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 12 | 303 | CLA | C2-C3-C5-C6 |
| 30 | 12 | 312 | CLA | C2-C3-C5-C6 |
| 30 | 14 | 307 | CLA | C2-C3-C5-C6 |
| 30 | 12 | 304 | CLA | C2-C1-O2A-CGA |
| 30 | B | 808 | CLA | C8-C10-C11-C12 |
| 37 | 4 | 312 | A86 | C5-C6-C8-C9 |
| 38 | 12 | 311 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 14 | 306 | KC1 | C2C-C3C-CAC-CBC |
| 30 | A | 842 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 844 | CLA | C2A-CAA-CBA-CGA |
| 30 | 3 | 310 | CLA | CAA-CBA-CGA-O2A |
| 30 | 13 | 304 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 812 | CLA | C11-C12-C13-C14 |
| 30 | A | 816 | CLA | C6-C7-C8-C9 |
| 33 | A | 849 | BCR | C19-C20-C21-C22 |
| 37 | 10 | 317 | A86 | C11-C10-C9-C8 |
| 39 | 13 | 314 | DD6 | C24-C25-C26-C27 |
| 30 | B | 825 | CLA | C5-C6-C7-C8 |
| 30 | 9 | 305 | CLA | C13-C15-C16-C17 |
| 30 | 5 | 311 | CLA | C10-C11-C12-C13 |
| 33 | M | 101 | BCR | C22-C23-C24-C25 |
| 30 | B | 808 | CLA | C4-C3-C5-C6 |
| 30 | B | 812 | CLA | C4-C3-C5-C6 |
| 30 | 8 | 308 | CLA | C4-C3-C5-C6 |
| 30 | 9 | 308 | CLA | C4-C3-C5-C6 |
| 34 | 9 | 318 | LHG | C5-C4-O6-P |
| 30 | B | 808 | CLA | C2-C3-C5-C6 |
| 30 | 1 | 303 | CLA | C2-C3-C5-C6 |
| 30 | 8 | 308 | CLA | C2-C3-C5-C6 |
| 30 | 6 | 314 | CLA | CBD-CGD-O2D-CED |
| 30 | 10 | 305 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 829 | CLA | C16-C17-C18-C19 |
| 30 | 14 | 312 | CLA | CAA-CBA-CGA-O2A |
| 37 | 10 | 317 | A86 | C35-C34-O4-C38 |
| 30 | 6 | 314 | CLA | C10-C11-C12-C13 |
| 30 | 15 | 310 | CLA | CAA-CBA-CGA-O1A |
| 38 | 1 | 306 | KC1 | O1D-CGD-O2D-CED |
| 30 | B | 822 | CLA | C2A-CAA-CBA-CGA |
| 30 | 9 | 306 | CLA | C2A-CAA-CBA-CGA |
| 30 | 12 | 304 | CLA | C13-C15-C16-C17 |
| 30 | 14 | 307 | CLA | C8-C10-C11-C12 |
| 30 | B | 829 | CLA | C4-C3-C5-C6 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 4 | 303 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 309 | CLA | C4-C3-C5-C6 |
| 30 | 13 | 307 | CLA | C4-C3-C5-C6 |
| 39 | 2 | 317 | DD6 | C24-C25-C26-C27 |
| 30 | 14 | 309 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 826 | CLA | C15-C16-C17-C18 |
| 30 | B | 814 | CLA | CBD-CGD-O2D-CED |
| 30 | 16 | 306 | CLA | O1D-CGD-O2D-CED |
| 38 | 3 | 308 | KC1 | CAA-CBA-CGA-O2A |
| 35 | 12 | 318 | LMT | C4-C5-C6-C7 |
| 30 | 13 | 309 | CLA | CAA-CBA-CGA-O2A |
| 30 | 15 | 305 | CLA | CAA-CBA-CGA-O1A |
| 30 | B | 832 | CLA | C16-C17-C18-C20 |
| 30 | B | 829 | CLA | C13-C15-C16-C17 |
| 33 | A | 847 | BCR | C35-C13-C14-C15 |
| 33 | B | 842 | BCR | C11-C10-C9-C34 |
| 33 | B | 845 | BCR | C20-C21-C22-C37 |
| 39 | 4 | 313 | DD6 | C4-C5-C6-C7 |
| 39 | 6 | 319 | DD6 | C4-C5-C6-C7 |
| 30 | 2 | 304 | CLA | C5-C6-C7-C8 |
| 30 | 5 | 302 | CLA | C10-C11-C12-C13 |
| 30 | B | 823 | CLA | C4-C3-C5-C6 |
| 30 | B | 825 | CLA | C4-C3-C5-C6 |
| 30 | B | 832 | CLA | C4-C3-C5-C6 |
| 30 | 7 | 303 | CLA | C15-C16-C17-C18 |
| 30 | 15 | 311 | CLA | CAA-CBA-CGA-O2A |
| 36 | 8 | 320 | LMG | O6-C1-O1-C7 |
| 30 | 15 | 307 | CLA | O1D-CGD-O2D-CED |
| 30 | 1 | 301 | CLA | C8-C10-C11-C12 |
| 30 | A | 844 | CLA | C11-C12-C13-C15 |
| 30 | 2 | 313 | CLA | CAA-CBA-CGA-O2A |
| 30 | 16 | 308 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 805 | CLA | C8-C10-C11-C12 |
| 30 | 3 | 310 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 820 | CLA | C11-C12-C13-C14 |
| 30 | A | 829 | CLA | C14-C13-C15-C16 |
| 30 | A | 831 | CLA | C6-C7-C8-C9 |
| 30 | B | 826 | CLA | C6-C7-C8-C9 |
| 30 | B | 838 | CLA | C6-C7-C8-C9 |
| 30 | F | 201 | CLA | C6-C7-C8-C9 |
| 30 | 3 | 307 | CLA | C6-C7-C8-C9 |
| 31 | B | 840 | PQN | C21-C22-C23-C24 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 36 | B | 847 | LMG | C35-C36-C37-C38 |
| 36 | A | 856 | LMG | O8-C28-C29-C30 |
| 30 | 13 | 309 | CLA | CAA-CBA-CGA-O1A |
| 30 | 16 | 310 | CLA | CAA-CBA-CGA-O2A |
| 30 | 6 | 310 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 805 | CLA | C2-C1-O2A-CGA |
| 30 | B | 811 | CLA | C2-C1-O2A-CGA |
| 30 | B | 812 | CLA | C2-C1-O2A-CGA |
| 30 | B | 821 | CLA | C2-C1-O2A-CGA |
| 30 | L | 202 | CLA | C2-C1-O2A-CGA |
| 30 | 2 | 307 | CLA | C2-C1-O2A-CGA |
| 30 | 3 | 307 | CLA | C2-C1-O2A-CGA |
| 30 | 7 | 305 | CLA | C2-C1-O2A-CGA |
| 30 | A | 826 | CLA | C16-C17-C18-C19 |
| 30 | B | 813 | CLA | C16-C17-C18-C19 |
| 30 | 6 | 317 | CLA | C10-C11-C12-C13 |
| 30 | A | 840 | CLA | O1D-CGD-O2D-CED |
| 30 | 5 | 307 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 812 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 818 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 802 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 803 | CLA | C3A-C2A-CAA-CBA |
| 30 | 2u | 202 | CLA | C4-C3-C5-C6 |
| 30 | 6 | 306 | CLA | C3A-C2A-CAA-CBA |
| 30 | 6 | 309 | CLA | C3A-C2A-CAA-CBA |
| 30 | 12 | 312 | CLA | C3A-C2A-CAA-CBA |
| 30 | 15 | 310 | CLA | C3A-C2A-CAA-CBA |
| 30 | A | 837 | CLA | CAA-CBA-CGA-O2A |
| 30 | 14 | 304 | CLA | CAA-CBA-CGA-O2A |
| 38 | 7 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 38 | 14 | 308 | KC1 | C2B-C3B-CAB-CBB |
| 30 | 13 | 307 | CLA | C3-C5-C6-C7 |
| 34 | B | 848 | LHG | C4-C5-O7-C7 |
| 34 | B | 848 | LHG | C6-C5-O7-C7 |
| 30 | 14 | 309 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 830 | CLA | CAA-CBA-CGA-O2A |
| 29 | A | 801 | CL0 | C16-C17-C18-C19 |
| 30 | 14 | 312 | CLA | CAA-CBA-CGA-O1A |
| 38 | 8 | 310 | KC1 | CAA-CBA-CGA-O2A |
| 30 | A | 837 | CLA | CAA-CBA-CGA-O1A |
| 30 | 15 | 311 | CLA | CAA-CBA-CGA-O1A |
| 30 | 16 | 310 | CLA | CAA-CBA-CGA-O1A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 813 | CLA | C2C-C3C-CAC-CBC |
| 30 | B | 808 | CLA | C15-C16-C17-C18 |
| 39 | 7 | 314 | DD6 | C13-C14-C15-O1 |
| 39 | 9 | 314 | DD6 | C13-C14-C15-O1 |
| 30 | 2 | 313 | CLA | CAA-CBA-CGA-O1A |
| 30 | 14 | 304 | CLA | CAA-CBA-CGA-O1A |
| 36 | 8 | 319 | LMG | C37-C38-C39-C40 |
| 38 | 8 | 307 | KC1 | O1D-CGD-O2D-CED |
| 34 | A | 852 | LHG | C4-C5-C6-O8 |
| 30 | A | 833 | CLA | CBD-CGD-O2D-CED |
| 30 | B | 831 | CLA | O1A-CGA-O2A-C1 |
| 30 | 10 | 303 | CLA | C8-C10-C11-C12 |
| 38 | 1 | 308 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 11 | 311 | KC1 | C4B-C3B-CAB-CBB |
| 38 | 12 | 305 | KC1 | CAA-CBA-CGA-O1A |
| 38 | 12 | 305 | KC1 | CAA-CBA-CGA-O2A |
| 30 | 1 | 307 | CLA | C4-C3-C5-C6 |
| 30 | 2 | 301 | CLA | C2A-CAA-CBA-CGA |
| 30 | 15 | 312 | CLA | CBD-CGD-O2D-CED |
| 39 | 1 | 310 | DD6 | C24-C25-C26-C27 |
| 39 | 4 | 313 | DD6 | C1-C2-C3-C4 |
| 37 | 12 | 316 | A86 | C28-C27-C29-C30 |
| 37 | 14 | 317 | A86 | C28-C27-C29-C30 |
| 37 | 15 | 323 | A86 | C28-C27-C29-C30 |
| 30 | A | 830 | CLA | C3-C5-C6-C7 |
| 30 | B | 813 | CLA | C4C-C3C-CAC-CBC |
| 30 | A | 810 | CLA | C10-C11-C12-C13 |
| 30 | 10 | 309 | CLA | C10-C11-C12-C13 |
| 36 | 3 | 317 | LMG | C31-C32-C33-C34 |
| 30 | A | 803 | CLA | CBA-CGA-O2A-C1 |
| 30 | 10 | 309 | CLA | CBD-CGD-O2D-CED |
| 30 | 1 | 301 | CLA | O1D-CGD-O2D-CED |
| 30 | A | 802 | CLA | C6-C7-C8-C9 |
| 30 | A | 812 | CLA | C6-C7-C8-C9 |
| 30 | A | 816 | CLA | C11-C10-C8-C9 |
| 30 | A | 839 | CLA | C14-C13-C15-C16 |
| 30 | B | 826 | CLA | C14-C13-C15-C16 |
| 30 | 2u | 202 | CLA | C6-C7-C8-C9 |
| 30 | 16 | 303 | CLA | C14-C13-C15-C16 |
| 30 | B | 832 | CLA | C16-C17-C18-C19 |
| 30 | B | 821 | CLA | CAA-CBA-CGA-O2A |
| 30 | 2 | 308 | CLA | CAA-CBA-CGA-O2A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 37 | 10 | 317 | A86 | C33-C34-O4-C38 |
| 30 | 16 | 308 | CLA | CAA-CBA-CGA-O1A |
| 38 | 12 | 311 | KC1 | CAA-CBA-CGA-O2A |
| 39 | 4 | 313 | DD6 | C2-C1-C24-C25 |
| 37 | 2u | 203 | A86 | C13-C14-C15-O1 |
| 37 | 1 | 309 | A86 | C13-C14-C15-O1 |
| 37 | 8 | 315 | A86 | C13-C14-C15-O1 |
| 37 | 10 | 301 | A86 | C13-C14-C15-O1 |
| 37 | 11 | 315 | A86 | C13-C14-C15-O1 |
| 37 | 13 | 313 | A86 | C13-C14-C15-O1 |
| 37 | 13 | 315 | A86 | C13-C14-C15-O1 |
| 37 | 14 | 319 | A86 | C13-C14-C15-O1 |
| 37 | 15 | 315 | A86 | C13-C14-C15-O1 |
| 30 | 5 | 307 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 812 | CLA | C2-C3-C5-C6 |
| 30 | L | 202 | CLA | C2A-CAA-CBA-CGA |
| 30 | A | 809 | CLA | C6-C7-C8-C10 |
| 30 | A | 812 | CLA | C11-C12-C13-C15 |
| 30 | A | 816 | CLA | C12-C13-C15-C16 |
| 30 | A | 826 | CLA | C11-C10-C8-C7 |
| 30 | A | 827 | CLA | C12-C13-C15-C16 |
| 30 | B | 825 | CLA | C12-C13-C15-C16 |
| 30 | B | 826 | CLA | C6-C7-C8-C10 |
| 30 | 3 | 302 | CLA | C6-C7-C8-C10 |
| 30 | 3 | 307 | CLA | C6-C7-C8-C10 |
| 30 | 5 | 304 | CLA | C11-C12-C13-C15 |
| 30 | 5 | 308 | CLA | C12-C13-C15-C16 |
| 30 | 5 | 311 | CLA | C11-C10-C8-C7 |
| 30 | 8 | 301 | CLA | C12-C13-C15-C16 |
| 30 | 10 | 308 | CLA | C11-C10-C8-C7 |
| 30 | 12 | 304 | CLA | C11-C12-C13-C15 |
| 30 | 13 | 302 | CLA | C11-C12-C13-C15 |
| 30 | B | 826 | CLA | C8-C10-C11-C12 |
| 33 | B | 843 | BCR | C23-C24-C25-C26 |
| 33 | B | 844 | BCR | C5-C6-C7-C8 |
| 33 | B | 845 | BCR | C5-C6-C7-C8 |
| 33 | F | 204 | BCR | C5-C6-C7-C8 |
| 33 | I | 101 | BCR | C1-C6-C7-C8 |
| 33 | I | 101 | BCR | C5-C6-C7-C8 |
| 33 | L | 201 | BCR | C5-C6-C7-C8 |
| 33 | L | 204 | BCR | C5-C6-C7-C8 |
| 33 | L | 205 | BCR | C23-C24-C25-C26 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 33 | M | 101 | BCR | C23-C24-C25-C26 |
| 30 | A | 814 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 813 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 805 | CLA | C2-C1-O2A-CGA |
| 30 | A | 831 | CLA | C2-C1-O2A-CGA |
| 30 | 4 | 303 | CLA | C2-C1-O2A-CGA |
| 30 | 5 | 311 | CLA | C2-C1-O2A-CGA |
| 30 | 6 | 307 | CLA | C2-C1-O2A-CGA |
| 30 | 6 | 314 | CLA | C2-C1-O2A-CGA |
| 30 | 9 | 301 | CLA | C2-C1-O2A-CGA |
| 30 | 9 | 302 | CLA | C2-C1-O2A-CGA |
| 30 | 12 | 310 | CLA | C2-C1-O2A-CGA |
| 30 | 16 | 301 | CLA | C2-C1-O2A-CGA |
| 30 | 9 | 301 | CLA | C16-C17-C18-C20 |
| 39 | 7 | 314 | DD6 | C11-C13-C14-C15 |
| 39 | 10 | 313 | DD6 | C11-C13-C14-C15 |
| 39 | 12 | 317 | DD6 | C11-C13-C14-C15 |
| 39 | 13 | 314 | DD6 | C11-C13-C14-C15 |
| 39 | 16 | 313 | DD6 | C11-C13-C14-C15 |
| 30 | 11 | 310 | CLA | CAA-CBA-CGA-O2A |
| 36 | B | 847 | LMG | O7-C10-C11-C12 |
| 38 | 8 | 310 | KC1 | CAA-CBA-CGA-O1A |
| 30 | A | 841 | CLA | C8-C10-C11-C12 |
| 30 | 2 | 303 | CLA | CAA-CBA-CGA-O2A |
| 34 | A | 853 | LHG | O9-C7-O7-C5 |
| 30 | B | 830 | CLA | CAA-CBA-CGA-O2A |
| 30 | 7 | 312 | CLA | CAA-CBA-CGA-O2A |
| 34 | A | 852 | LHG | O8-C23-C24-C25 |
| 30 | 2 | 305 | CLA | C13-C15-C16-C17 |
| 30 | 15 | 305 | CLA | CAA-CBA-CGA-O2A |
| 30 | 2 | 304 | CLA | C15-C16-C17-C18 |
| 30 | 4 | 309 | CLA | C5-C6-C7-C8 |
| 30 | 6 | 317 | CLA | C8-C10-C11-C12 |
| 30 | 10 | 307 | CLA | CAA-CBA-CGA-O2A |
| 35 | 15 | 301 | LMT | C5'-C4'-O1B-C1B |
| 38 | 16 | 311 | KC1 | C4C-C3C-CAC-CBC |
| 30 | A | 826 | CLA | C15-C16-C17-C18 |
| 30 | A | 806 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 828 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 809 | CLA | CAA-CBA-CGA-O2A |
| 30 | 11 | 306 | CLA | CAA-CBA-CGA-O2A |
| 39 | 11 | 313 | DD6 | C9-C10-C11-C12 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | B | 838 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 803 | CLA | CAA-CBA-CGA-O2A |
| 30 | 1 | 303 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 839 | CLA | C5-C6-C7-C8 |
| 30 | 7 | 311 | CLA | C5-C6-C7-C8 |
| 30 | 10 | 311 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 828 | CLA | C6-C7-C8-C9 |
| 30 | A | 834 | CLA | C11-C12-C13-C14 |
| 30 | B | 813 | CLA | C11-C10-C8-C9 |
| 30 | B | 825 | CLA | C14-C13-C15-C16 |
| 30 | 9 | 307 | CLA | C6-C7-C8-C9 |
| 30 | 9 | 309 | CLA | C14-C13-C15-C16 |
| 35 | 1 | 311 | LMT | C5'-C4'-O1B-C1B |
| 36 | B | 847 | LMG | C20-C21-C22-C23 |
| 30 | 2u | 202 | CLA | CAA-CBA-CGA-O2A |
| 30 | 12 | 308 | CLA | CAA-CBA-CGA-O2A |
| 30 | 12 | 302 | CLA | C5-C6-C7-C8 |
| 30 | B | 851 | CLA | C1A-C2A-CAA-CBA |
| 30 | 6 | 307 | CLA | C1A-C2A-CAA-CBA |
| 30 | 14 | 309 | CLA | C1A-C2A-CAA-CBA |
| 37 | 1 | 309 | A86 | O-C13-C14-C15 |
| 37 | 3 | 314 | A86 | O-C13-C14-C15 |
| 37 | 10 | 317 | A86 | O-C13-C14-C15 |
| 37 | 11 | 316 | A86 | O-C13-C14-C15 |
| 37 | 14 | 314 | A86 | O-C13-C14-C15 |
| 30 | A | 844 | CLA | C15-C16-C17-C18 |
| 30 | B | 804 | CLA | CAA-CBA-CGA-O2A |
| 30 | 1 | 301 | CLA | CAA-CBA-CGA-O2A |
| 30 | 3 | 305 | CLA | CAA-CBA-CGA-O2A |
| 30 | 16 | 306 | CLA | CAA-CBA-CGA-O2A |
| 30 | 2 | 305 | CLA | C2-C3-C5-C6 |
| 36 | 3 | 317 | LMG | O1-C7-C8-O7 |
| 37 | 3 | 314 | A86 | C5-C6-C8-C9 |
| 39 | 2 | 316 | DD6 | C2-C1-C24-C25 |
| 39 | 2 | 316 | DD6 | C10-C11-C13-C14 |
| 39 | 9 | 314 | DD6 | C5-C6-C8-C9 |
| 37 | 2u | 203 | A86 | C3-C4-C5-C6 |
| 39 | 6 | 321 | DD6 | C24-C25-C26-C27 |
| 30 | 2 | 301 | CLA | C13-C15-C16-C17 |
| 30 | F | 202 | CLA | O1A-CGA-O2A-C1 |
| 30 | 16 | 301 | CLA | CBA-CGA-O2A-C1 |
| 30 | 15 | 308 | CLA | CAA-CBA-CGA-O2A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 1 | 307 | CLA | CAA-CBA-CGA-O2A |
| 30 | 16 | 301 | CLA | CAA-CBA-CGA-O2A |
| 36 | 5 | 318 | LMG | O8-C28-C29-C30 |
| 30 | A | 843 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 807 | CLA | C2A-CAA-CBA-CGA |
| 30 | B | 817 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 833 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 807 | CLA | CAA-CBA-CGA-O2A |
| 30 | 6 | 316 | CLA | CAA-CBA-CGA-O2A |
| 30 | 13 | 301 | CLA | CAA-CBA-CGA-O2A |
| 30 | 16 | 303 | CLA | C5-C6-C7-C8 |
| 34 | A | 852 | LHG | C33-C34-C35-C36 |
| 30 | 2 | 311 | CLA | C4-C3-C5-C6 |
| 30 | A | 813 | CLA | C2-C1-O2A-CGA |
| 30 | A | 843 | CLA | C2-C1-O2A-CGA |
| 30 | B | 814 | CLA | C2-C1-O2A-CGA |
| 30 | 4 | 306 | CLA | C2-C1-O2A-CGA |
| 30 | 5 | 309 | CLA | C2-C1-O2A-CGA |
| 30 | 7 | 303 | CLA | C2-C1-O2A-CGA |
| 30 | 7 | 306 | CLA | C2-C1-O2A-CGA |
| 30 | 9 | 309 | CLA | C2-C1-O2A-CGA |
| 30 | 4 | 301 | CLA | CAA-CBA-CGA-O2A |
| 30 | 8 | 301 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 807 | CLA | C12-C13-C15-C16 |
| 30 | F | 202 | CLA | C6-C7-C8-C10 |
| 30 | 1 | 307 | CLA | C11-C12-C13-C15 |
| 30 | 2 | 309 | CLA | C6-C7-C8-C10 |
| 30 | 9 | 308 | CLA | C2-C3-C5-C6 |
| 30 | 1 | 305 | CLA | C10-C11-C12-C13 |
| 30 | 7 | 306 | CLA | C16-C17-C18-C20 |
| 36 | 8 | 319 | LMG | O9-C10-C11-C12 |
| 30 | 3 | 302 | CLA | O1A-CGA-O2A-C1 |
| 30 | B | 839 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 809 | CLA | C10-C11-C12-C13 |
| 30 | A | 842 | CLA | C5-C6-C7-C8 |
| 30 | 12 | 303 | CLA | C15-C16-C17-C18 |
| 30 | 6 | 314 | CLA | O1D-CGD-O2D-CED |
| 30 | B | 831 | CLA | CBA-CGA-O2A-C1 |
| 37 | 14 | 320 | A86 | C24-C25-C26-C27 |
| 30 | A | 814 | CLA | C2A-CAA-CBA-CGA |
| 30 | 9 | 303 | CLA | C13-C15-C16-C17 |
| 30 | 7 | 307 | CLA | C16-C17-C18-C19 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 34 | B | 848 | LHG | O8-C23-C24-C25 |
| 35 | A | 854 | LMT | C4-C5-C6-C7 |
| 30 | 2 | 301 | CLA | C5-C6-C7-C8 |
| 30 | A | 802 | CLA | C4-C3-C5-C6 |
| 30 | A | 810 | CLA | C3A-C2A-CAA-CBA |
| 30 | 8 | 305 | CLA | C3A-C2A-CAA-CBA |
| 30 | B | 809 | CLA | CAA-CBA-CGA-O1A |
| 30 | 6 | 314 | CLA | O1A-CGA-O2A-C1 |
| 33 | A | 848 | BCR | C16-C17-C18-C19 |
| 39 | 9 | 314 | DD6 | C4-C5-C6-C8 |
| 30 | 11 | 310 | CLA | CAA-CBA-CGA-O1A |
| 30 | B | 851 | CLA | O1A-CGA-O2A-C1 |
| 30 | A | 808 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 835 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 813 | CLA | CAA-CBA-CGA-O1A |
| 30 | 7 | 312 | CLA | CAA-CBA-CGA-O1A |
| 30 | L | 203 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 829 | CLA | C6-C7-C8-C9 |
| 30 | 1 | 307 | CLA | C11-C12-C13-C14 |
| 30 | 5 | 302 | CLA | C11-C10-C8-C9 |
| 30 | 5 | 308 | CLA | C14-C13-C15-C16 |
| 30 | 13 | 302 | CLA | C11-C12-C13-C14 |
| 31 | A | 845 | PQN | C19-C18-C20-C21 |
| 35 | 8 | 322 | LMT | C6-C7-C8-C9 |
| 30 | 10 | 307 | CLA | CAA-CBA-CGA-O1A |
| 30 | 13 | 301 | CLA | CAA-CBA-CGA-O1A |
| 37 | 15 | 321 | A86 | C1-C2-C3-C4 |
| 36 | 2u | 204 | LMG | C4-C5-C6-O5 |
| 34 | 9 | 318 | LHG | C10-C11-C12-C13 |
| 30 | 7 | 307 | CLA | C16-C17-C18-C20 |
| 30 | B | 821 | CLA | CAA-CBA-CGA-O1A |
| 30 | 1 | 303 | CLA | CAA-CBA-CGA-O1A |
| 36 | B | 847 | LMG | C24-C25-C26-C27 |
| 30 | B | 825 | CLA | C2-C3-C5-C6 |
| 37 | 7 | 315 | A86 | C26-C27-C29-C30 |
| 37 | 12 | 316 | A86 | C26-C27-C29-C30 |
| 37 | 15 | 323 | A86 | C26-C27-C29-C30 |
| 38 | 2 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 2 | 314 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 3 | 311 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 5 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 8 | 310 | KC1 | C3A-C2A-CAA-CBA |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 38 | 11 | 312 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 12 | 309 | KC1 | C1A-C2A-CAA-CBA |
| 38 | 13 | 306 | KC1 | C3A-C2A-CAA-CBA |
| 38 | 13 | 312 | KC1 | C1A-C2A-CAA-CBA |
| 39 | 7 | 318 | DD6 | C13-C14-C15-C16 |
| 30 | 10 | 311 | CLA | CAA-CBA-CGA-O1A |
| 30 | 15 | 308 | CLA | CAA-CBA-CGA-O1A |
| 30 | 2 | 303 | CLA | CAA-CBA-CGA-O1A |
| 30 | 11 | 306 | CLA | CAA-CBA-CGA-O1A |
| 30 | 12 | 308 | CLA | CAA-CBA-CGA-O1A |
| 30 | 15 | 308 | CLA | O1D-CGD-O2D-CED |
| 36 | B | 847 | LMG | C41-C42-C43-C44 |
| 30 | 14 | 302 | CLA | C8-C10-C11-C12 |
| 35 | 9 | 317 | LMT | C4-C5-C6-C7 |
| 30 | 10 | 303 | CLA | CAA-CBA-CGA-O2A |
| 30 | A | 844 | CLA | C16-C17-C18-C20 |
| 30 | 2u | 202 | CLA | C8-C10-C11-C12 |
| 37 | 2 | 318 | A86 | C5-C6-C8-C9 |
| 37 | 11 | 301 | A86 | C2-C1-C24-C25 |
| 39 | 6 | 318 | DD6 | C5-C6-C8-C9 |
| 30 | A | 806 | CLA | CAA-CBA-CGA-O1A |
| 30 | A | 814 | CLA | CAA-CBA-CGA-O1A |
| 30 | 1 | 301 | CLA | CAA-CBA-CGA-O1A |
| 34 | A | 852 | LHG | O10-C23-C24-C25 |
| 30 | 2 | 307 | CLA | C8-C10-C11-C12 |
| 30 | B | 803 | CLA | CAA-CBA-CGA-O1A |
| 30 | 2 | 308 | CLA | CAA-CBA-CGA-O1A |
| 30 | 6 | 316 | CLA | CAA-CBA-CGA-O1A |
| 30 | 2 | 301 | CLA | CAA-CBA-CGA-O2A |
| 36 | 8 | 319 | LMG | O7-C10-C11-C12 |
| 36 | B | 849 | LMG | C33-C34-C35-C36 |
| 30 | 15 | 312 | CLA | O1D-CGD-O2D-CED |
| 36 | 5 | 318 | LMG | C7-C8-C9-O8 |
| 37 | 2 | 319 | A86 | C12-C11-C13-O |
| 37 | 3 | 314 | A86 | C12-C11-C13-O |
| 37 | 4 | 312 | A86 | C12-C11-C13-O |
| 37 | 12 | 314 | A86 | C12-C11-C13-O |
| 37 | 14 | 318 | A86 | C12-C11-C13-O |
| 37 | 15 | 322 | A86 | C12-C11-C13-O |
| 37 | 15 | 323 | A86 | C12-C11-C13-O |
| 38 | 16 | 311 | KC1 | C2C-C3C-CAC-CBC |
| 30 | 11 | 310 | CLA | C13-C15-C16-C17 |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 31 | B | 840 | PQN | C18-C20-C21-C22 |
| 30 | A | 813 | CLA | CAA-CBA-CGA-O2A |
| 38 | 10 | 312 | KC1 | C2B-C3B-CAB-CBB |
| 30 | 1 | 304 | CLA | C3-C5-C6-C7 |
| 35 | A | 854 | LMT | C4'-C5'-C6'-O6' |
| 30 | B | 830 | CLA | CAA-CBA-CGA-O1A |
| 30 | 16 | 306 | CLA | CAA-CBA-CGA-O1A |
| 36 | 5 | 318 | LMG | O10-C28-C29-C30 |
| 30 | A | 808 | CLA | CAD-CBD-CGD-O2D |
| 30 | A | 812 | CLA | CAD-CBD-CGD-O2D |
| 30 | A | 815 | CLA | CAD-CBD-CGD-O2D |
| 30 | B | 805 | CLA | CAD-CBD-CGD-O2D |
| 30 | B | 837 | CLA | CAD-CBD-CGD-O2D |
| 30 | 4 | 305 | CLA | CAD-CBD-CGD-O2D |
| 30 | 4 | 306 | CLA | CAD-CBD-CGD-O2D |
| 30 | 5 | 307 | CLA | CAD-CBD-CGD-O2D |
| 30 | 6 | 306 | CLA | CAD-CBD-CGD-O2D |
| 30 | 6 | 309 | CLA | CAD-CBD-CGD-O2D |
| 30 | 8 | 303 | CLA | CAD-CBD-CGD-O2D |
| 30 | 9 | 305 | CLA | CAD-CBD-CGD-O2D |
| 30 | 10 | 307 | CLA | CAD-CBD-CGD-O2D |
| 37 | 2u | 205 | A86 | C13-C14-C15-C20 |
| 37 | 7 | 315 | A86 | C13-C14-C15-C20 |
| 37 | 15 | 315 | A86 | C13-C14-C15-C20 |
| 37 | 15 | 320 | A86 | C13-C14-C15-C20 |
| 37 | 16 | 312 | A86 | C13-C14-C15-C20 |
| 38 | 11 | 305 | KC1 | CAD-CBD-CGD-O2D |
| 38 | 14 | 311 | KC1 | CAD-CBD-CGD-O2D |
| 38 | 16 | 304 | KC1 | CAD-CBD-CGD-O2D |
| 30 | 2 | 305 | CLA | CAA-CBA-CGA-O2A |
| 30 | 2u | 202 | CLA | CAA-CBA-CGA-O1A |
| 30 | 15 | 304 | CLA | C2C-C3C-CAC-CBC |
| 30 | A | 809 | CLA | C2-C1-O2A-CGA |
| 30 | A | 810 | CLA | C2-C1-O2A-CGA |
| 30 | A | 818 | CLA | C2-C1-O2A-CGA |
| 30 | B | 829 | CLA | C2-C1-O2A-CGA |
| 30 | 6 | 309 | CLA | C2-C1-O2A-CGA |
| 30 | 16 | 306 | CLA | C2-C1-O2A-CGA |
| 30 | A | 828 | CLA | CAA-CBA-CGA-O1A |
| 30 | 3 | 303 | CLA | CAA-CBA-CGA-O2A |
| 30 | 15 | 304 | CLA | C4C-C3C-CAC-CBC |
| 30 | A | 808 | CLA | CAA-CBA-CGA-O1A |

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| Mol | Chain | Res | Type | Atoms |
|-----|-------|-----|------|-----------------|
| 30 | 1 | 307 | CLA | CAA-CBA-CGA-O1A |
| 30 | 16 | 301 | CLA | CAA-CBA-CGA-O1A |
| 36 | 7 | 320 | LMG | O9-C10-C11-C12 |
| 30 | F | 202 | CLA | CBA-CGA-O2A-C1 |
| 30 | A | 841 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 812 | CLA | CAA-CBA-CGA-O2A |
| 30 | B | 836 | CLA | CAA-CBA-CGA-O2A |
| 36 | 6 | 301 | LMG | O7-C10-C11-C12 |
| 34 | A | 852 | LHG | C16-C17-C18-C19 |
| 30 | A | 816 | CLA | CAA-CBA-CGA-O2A |
| 30 | 8 | 305 | CLA | CAA-CBA-CGA-O2A |
| 30 | 10 | 309 | CLA | CAA-CBA-CGA-O2A |
| 36 | 2u | 204 | LMG | O8-C28-C29-C30 |
| 30 | 6 | 314 | CLA | CBA-CGA-O2A-C1 |
| 30 | 16 | 301 | CLA | O1A-CGA-O2A-C1 |
| 30 | 7 | 303 | CLA | C13-C15-C16-C17 |
| 30 | B | 807 | CLA | CAA-CBA-CGA-O1A |

There are no ring outliers.

235 monomers are involved in 440 short contacts:

| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | F | 201 | CLA | 6 | 0 |
| 30 | B | 837 | CLA | 2 | 0 |
| 30 | 7 | 311 | CLA | 2 | 0 |
| 36 | 6 | 301 | LMG | 1 | 0 |
| 33 | L | 201 | BCR | 2 | 0 |
| 30 | A | 817 | CLA | 3 | 0 |
| 30 | A | 840 | CLA | 1 | 0 |
| 30 | A | 824 | CLA | 1 | 0 |
| 30 | 1 | 302 | CLA | 3 | 0 |
| 30 | A | 831 | CLA | 5 | 0 |
| 30 | B | 804 | CLA | 2 | 0 |
| 37 | 8 | 315 | A86 | 1 | 0 |
| 30 | B | 808 | CLA | 2 | 0 |
| 30 | B | 803 | CLA | 1 | 0 |
| 30 | 5 | 302 | CLA | 3 | 0 |
| 30 | A | 812 | CLA | 4 | 0 |
| 30 | 4 | 302 | CLA | 1 | 0 |
| 30 | 2 | 303 | CLA | 4 | 0 |
| 30 | 3 | 305 | CLA | 1 | 0 |
| 30 | 5 | 303 | CLA | 4 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | 7 | 309 | CLA | 6 | 0 |
| 38 | 4 | 310 | KC1 | 1 | 0 |
| 30 | A | 813 | CLA | 3 | 0 |
| 30 | 2 | 301 | CLA | 1 | 0 |
| 30 | 10 | 307 | CLA | 1 | 0 |
| 30 | 9 | 305 | CLA | 2 | 0 |
| 30 | A | 844 | CLA | 1 | 0 |
| 30 | 8 | 308 | CLA | 1 | 0 |
| 33 | F | 204 | BCR | 3 | 0 |
| 36 | 3 | 317 | LMG | 2 | 0 |
| 30 | 3 | 310 | CLA | 2 | 0 |
| 30 | 2 | 307 | CLA | 3 | 0 |
| 30 | 6 | 307 | CLA | 1 | 0 |
| 30 | 15 | 309 | CLA | 2 | 0 |
| 35 | 11 | 317 | LMT | 2 | 0 |
| 30 | 16 | 301 | CLA | 6 | 0 |
| 36 | B | 849 | LMG | 1 | 0 |
| 30 | B | 825 | CLA | 1 | 0 |
| 30 | B | 817 | CLA | 5 | 0 |
| 30 | 13 | 301 | CLA | 5 | 0 |
| 30 | A | 804 | CLA | 4 | 0 |
| 30 | J | 101 | CLA | 1 | 0 |
| 30 | 7 | 306 | CLA | 3 | 0 |
| 33 | I | 101 | BCR | 2 | 0 |
| 30 | A | 806 | CLA | 5 | 0 |
| 30 | B | 801 | CLA | 4 | 0 |
| 37 | 7 | 315 | A86 | 1 | 0 |
| 30 | 16 | 302 | CLA | 1 | 0 |
| 30 | 16 | 303 | CLA | 1 | 0 |
| 30 | B | 839 | CLA | 3 | 0 |
| 31 | B | 840 | PQN | 1 | 0 |
| 35 | A | 855 | LMT | 2 | 0 |
| 30 | 10 | 304 | CLA | 1 | 0 |
| 30 | 7 | 303 | CLA | 1 | 0 |
| 33 | B | 843 | BCR | 2 | 0 |
| 37 | 11 | 315 | A86 | 1 | 0 |
| 30 | 16 | 310 | CLA | 1 | 0 |
| 30 | B | 807 | CLA | 2 | 0 |
| 33 | A | 851 | BCR | 2 | 0 |
| 30 | B | 824 | CLA | 3 | 0 |
| 30 | 14 | 305 | CLA | 1 | 0 |
| 30 | A | 830 | CLA | 4 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | B | 813 | CLA | 7 | 0 |
| 30 | B | 831 | CLA | 2 | 0 |
| 33 | B | 841 | BCR | 1 | 0 |
| 30 | A | 835 | CLA | 2 | 0 |
| 30 | A | 839 | CLA | 6 | 0 |
| 30 | 14 | 312 | CLA | 1 | 0 |
| 30 | 10 | 309 | CLA | 2 | 0 |
| 30 | 6 | 314 | CLA | 2 | 0 |
| 30 | 3 | 302 | CLA | 1 | 0 |
| 30 | B | 851 | CLA | 1 | 0 |
| 30 | 3 | 303 | CLA | 2 | 0 |
| 30 | 16 | 309 | CLA | 1 | 0 |
| 30 | 9 | 301 | CLA | 1 | 0 |
| 30 | 14 | 307 | CLA | 1 | 0 |
| 30 | 6 | 309 | CLA | 3 | 0 |
| 30 | A | 809 | CLA | 1 | 0 |
| 30 | B | 815 | CLA | 2 | 0 |
| 30 | F | 202 | CLA | 3 | 0 |
| 30 | 9 | 302 | CLA | 1 | 0 |
| 30 | A | 834 | CLA | 2 | 0 |
| 30 | A | 826 | CLA | 4 | 0 |
| 30 | 1 | 307 | CLA | 2 | 0 |
| 30 | 7 | 307 | CLA | 2 | 0 |
| 36 | A | 856 | LMG | 2 | 0 |
| 30 | A | 811 | CLA | 3 | 0 |
| 30 | 3 | 306 | CLA | 2 | 0 |
| 29 | A | 801 | CL0 | 3 | 0 |
| 33 | L | 204 | BCR | 4 | 0 |
| 30 | A | 843 | CLA | 2 | 0 |
| 30 | 8 | 301 | CLA | 1 | 0 |
| 30 | 4 | 301 | CLA | 3 | 0 |
| 38 | 16 | 304 | KC1 | 1 | 0 |
| 33 | J | 103 | BCR | 4 | 0 |
| 30 | A | 829 | CLA | 10 | 0 |
| 30 | B | 822 | CLA | 2 | 0 |
| 30 | 8 | 302 | CLA | 2 | 0 |
| 30 | 8 | 303 | CLA | 2 | 0 |
| 30 | B | 820 | CLA | 2 | 0 |
| 30 | 12 | 312 | CLA | 1 | 0 |
| 30 | 15 | 304 | CLA | 2 | 0 |
| 30 | 7 | 304 | CLA | 1 | 0 |
| 39 | 6 | 321 | DD6 | 1 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | 12 | 310 | CLA | 2 | 0 |
| 30 | A | 828 | CLA | 2 | 0 |
| 33 | B | 844 | BCR | 2 | 0 |
| 30 | L | 203 | CLA | 2 | 0 |
| 30 | A | 836 | CLA | 3 | 0 |
| 30 | 6 | 306 | CLA | 2 | 0 |
| 30 | B | 811 | CLA | 4 | 0 |
| 38 | 12 | 309 | KC1 | 1 | 0 |
| 37 | 14 | 317 | A86 | 1 | 0 |
| 30 | B | 819 | CLA | 2 | 0 |
| 30 | 2 | 304 | CLA | 1 | 0 |
| 34 | A | 852 | LHG | 1 | 0 |
| 30 | B | 834 | CLA | 2 | 0 |
| 35 | 12 | 320 | LMT | 1 | 0 |
| 30 | A | 838 | CLA | 1 | 0 |
| 30 | A | 807 | CLA | 2 | 0 |
| 30 | 15 | 302 | CLA | 4 | 0 |
| 35 | 12 | 301 | LMT | 2 | 0 |
| 30 | 3 | 301 | CLA | 1 | 0 |
| 30 | A | 823 | CLA | 1 | 0 |
| 35 | 7 | 301 | LMT | 1 | 0 |
| 30 | 1 | 304 | CLA | 2 | 0 |
| 30 | 1 | 303 | CLA | 3 | 0 |
| 34 | 5 | 317 | LHG | 1 | 0 |
| 30 | B | 835 | CLA | 4 | 0 |
| 30 | B | 821 | CLA | 2 | 0 |
| 30 | 4 | 305 | CLA | 1 | 0 |
| 30 | 13 | 307 | CLA | 4 | 0 |
| 30 | 15 | 313 | CLA | 4 | 0 |
| 30 | 4 | 309 | CLA | 1 | 0 |
| 30 | B | 828 | CLA | 5 | 0 |
| 39 | 6 | 319 | DD6 | 1 | 0 |
| 30 | A | 841 | CLA | 2 | 0 |
| 37 | 11 | 316 | A86 | 1 | 0 |
| 30 | 10 | 303 | CLA | 3 | 0 |
| 30 | 9 | 306 | CLA | 2 | 0 |
| 30 | L | 202 | CLA | 5 | 0 |
| 30 | 12 | 321 | CLA | 2 | 0 |
| 36 | 8 | 321 | LMG | 1 | 0 |
| 30 | A | 816 | CLA | 4 | 0 |
| 33 | B | 846 | BCR | 4 | 0 |
| 30 | A | 819 | CLA | 3 | 0 |

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| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | 10 | 308 | CLA | 1 | 0 |
| 30 | A | 837 | CLA | 1 | 0 |
| 35 | 11 | 303 | LMT | 1 | 0 |
| 30 | 5 | 307 | CLA | 2 | 0 |
| 30 | B | 812 | CLA | 2 | 0 |
| 30 | 2 | 311 | CLA | 1 | 0 |
| 30 | B | 838 | CLA | 7 | 0 |
| 35 | 11 | 318 | LMT | 2 | 0 |
| 30 | 2 | 310 | CLA | 1 | 0 |
| 30 | 11 | 310 | CLA | 4 | 0 |
| 39 | 10 | 313 | DD6 | 1 | 0 |
| 36 | 8 | 319 | LMG | 1 | 0 |
| 30 | 1 | 301 | CLA | 2 | 0 |
| 39 | 13 | 314 | DD6 | 1 | 0 |
| 30 | B | 823 | CLA | 1 | 0 |
| 39 | 6 | 318 | DD6 | 1 | 0 |
| 30 | A | 820 | CLA | 6 | 0 |
| 30 | A | 833 | CLA | 6 | 0 |
| 30 | 16 | 307 | CLA | 2 | 0 |
| 30 | 11 | 308 | CLA | 2 | 0 |
| 30 | B | 802 | CLA | 2 | 0 |
| 30 | A | 818 | CLA | 1 | 0 |
| 33 | A | 849 | BCR | 4 | 0 |
| 35 | 6 | 302 | LMT | 2 | 0 |
| 30 | 4 | 311 | CLA | 2 | 0 |
| 33 | A | 850 | BCR | 2 | 0 |
| 30 | A | 814 | CLA | 3 | 0 |
| 30 | B | 833 | CLA | 1 | 0 |
| 37 | 5 | 315 | A86 | 1 | 0 |
| 34 | A | 853 | LHG | 1 | 0 |
| 30 | 9 | 308 | CLA | 2 | 0 |
| 30 | B | 836 | CLA | 4 | 0 |
| 30 | 15 | 308 | CLA | 1 | 0 |
| 30 | B | 805 | CLA | 2 | 0 |
| 30 | A | 810 | CLA | 5 | 0 |
| 30 | 15 | 307 | CLA | 1 | 0 |
| 38 | 5 | 310 | KC1 | 1 | 0 |
| 30 | 5 | 308 | CLA | 2 | 0 |
| 30 | 2 | 305 | CLA | 2 | 0 |
| 30 | B | 827 | CLA | 5 | 0 |
| 30 | B | 816 | CLA | 2 | 0 |
| 30 | B | 826 | CLA | 5 | 0 |

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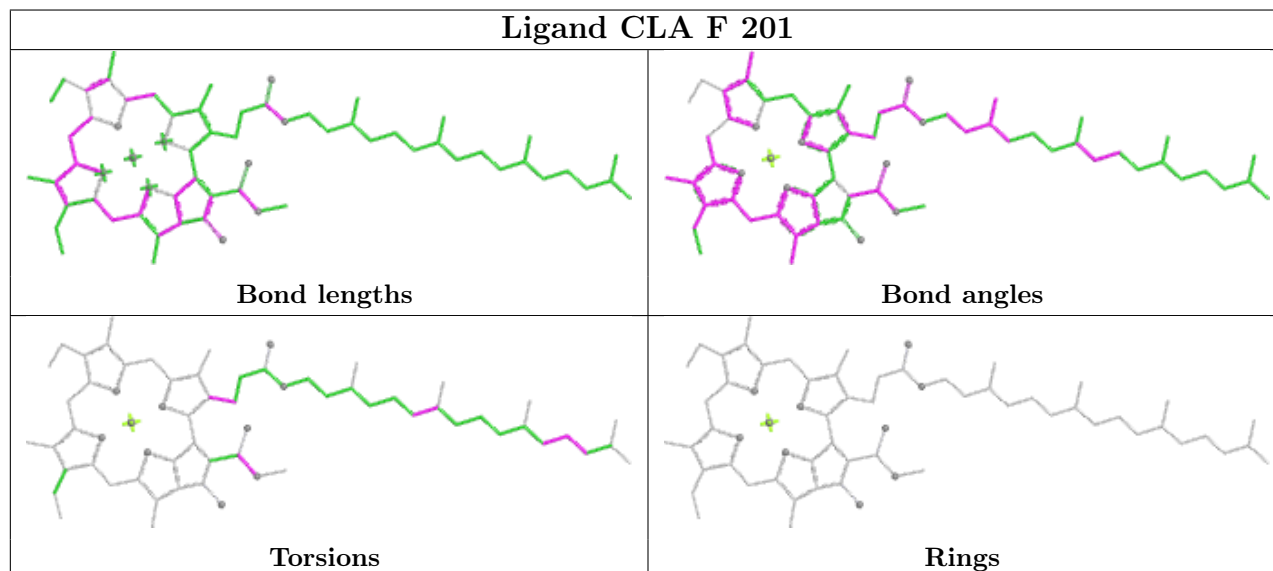
| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
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| 30 | 16 | 306 | CLA | 1 | 0 |
| 38 | 3 | 304 | KC1 | 1 | 0 |
| 35 | A | 857 | LMT | 1 | 0 |
| 30 | 14 | 303 | CLA | 3 | 0 |
| 30 | 10 | 305 | CLA | 1 | 0 |
| 30 | 5 | 304 | CLA | 2 | 0 |
| 35 | 12 | 319 | LMT | 1 | 0 |
| 37 | 9 | 316 | A86 | 1 | 0 |
| 30 | 13 | 302 | CLA | 3 | 0 |
| 30 | 2 | 309 | CLA | 2 | 0 |
| 30 | B | 806 | CLA | 7 | 0 |
| 30 | A | 842 | CLA | 4 | 0 |
| 30 | 4 | 306 | CLA | 6 | 0 |
| 33 | J | 102 | BCR | 3 | 0 |
| 37 | 4 | 315 | A86 | 1 | 0 |
| 30 | 12 | 308 | CLA | 4 | 0 |
| 36 | 14 | 321 | LMG | 2 | 0 |
| 30 | 8 | 305 | CLA | 2 | 0 |
| 31 | A | 845 | PQN | 5 | 0 |
| 36 | B | 847 | LMG | 2 | 0 |
| 30 | 14 | 302 | CLA | 2 | 0 |
| 37 | 14 | 320 | A86 | 1 | 0 |
| 30 | 6 | 316 | CLA | 5 | 0 |
| 30 | 9 | 307 | CLA | 4 | 0 |
| 30 | 15 | 303 | CLA | 3 | 0 |
| 30 | A | 832 | CLA | 1 | 0 |
| 30 | B | 818 | CLA | 1 | 0 |
| 30 | B | 830 | CLA | 2 | 0 |
| 30 | 2 | 308 | CLA | 1 | 0 |
| 30 | A | 821 | CLA | 2 | 0 |
| 33 | B | 842 | BCR | 1 | 0 |
| 33 | L | 205 | BCR | 4 | 0 |
| 30 | A | 805 | CLA | 3 | 0 |
| 33 | B | 845 | BCR | 2 | 0 |
| 30 | A | 802 | CLA | 3 | 0 |
| 33 | A | 847 | BCR | 3 | 0 |
| 35 | 7 | 321 | LMT | 1 | 0 |
| 30 | 12 | 303 | CLA | 2 | 0 |
| 33 | M | 101 | BCR | 3 | 0 |
| 30 | B | 809 | CLA | 7 | 0 |
| 33 | A | 848 | BCR | 2 | 0 |

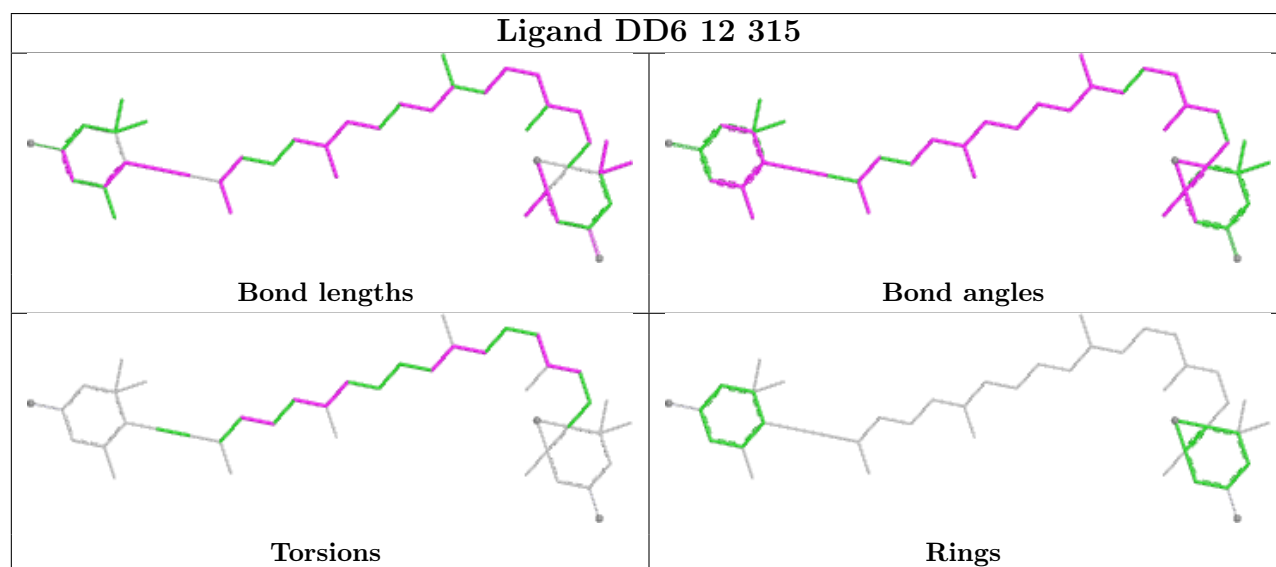
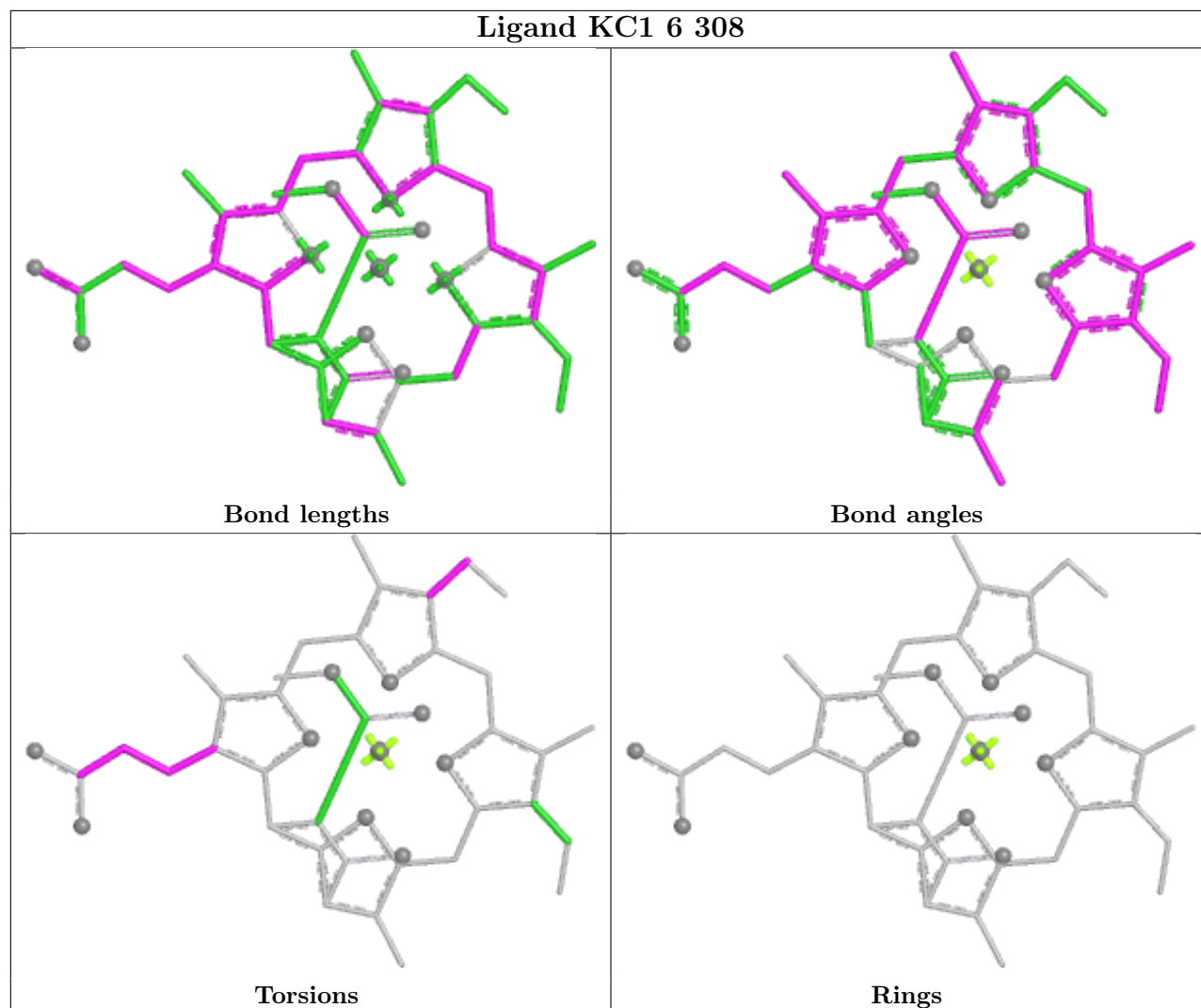
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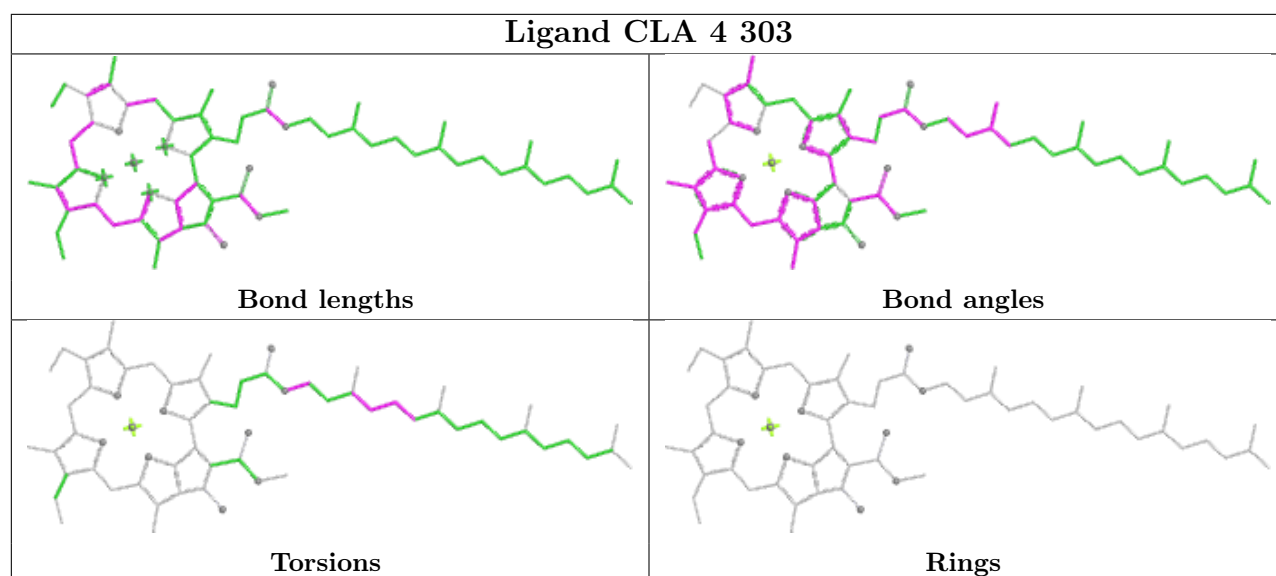
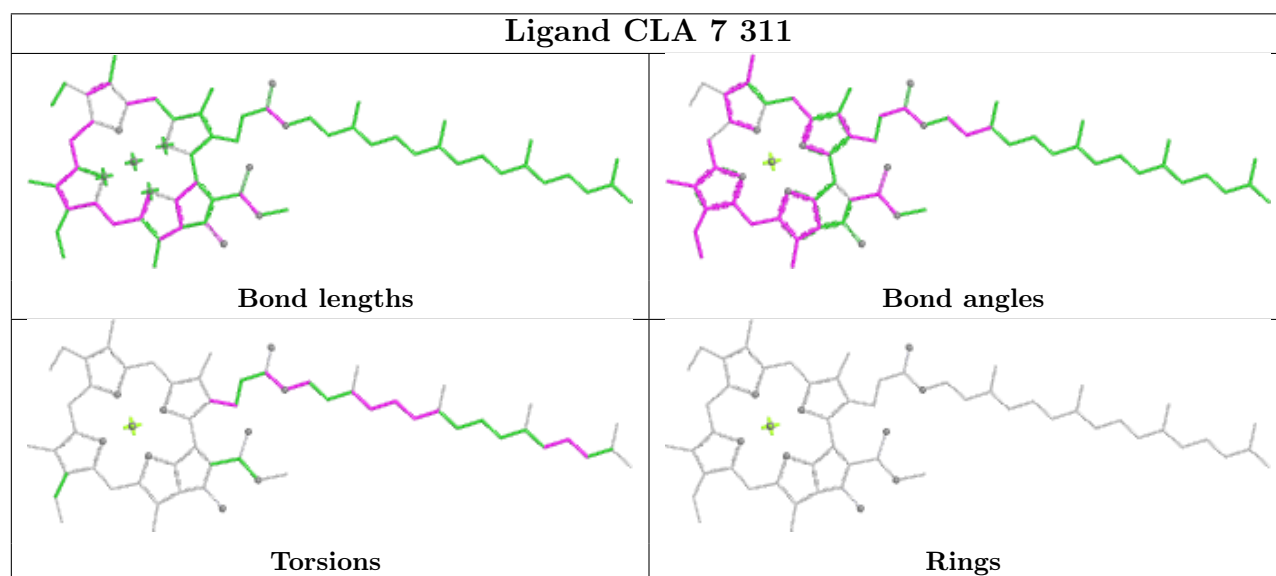
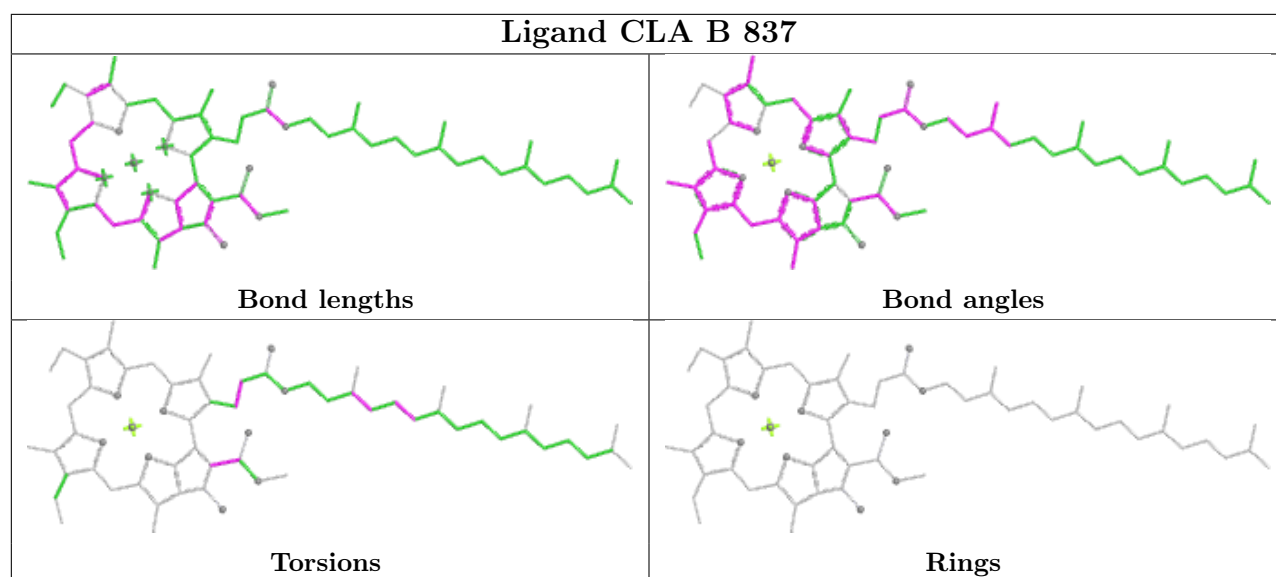
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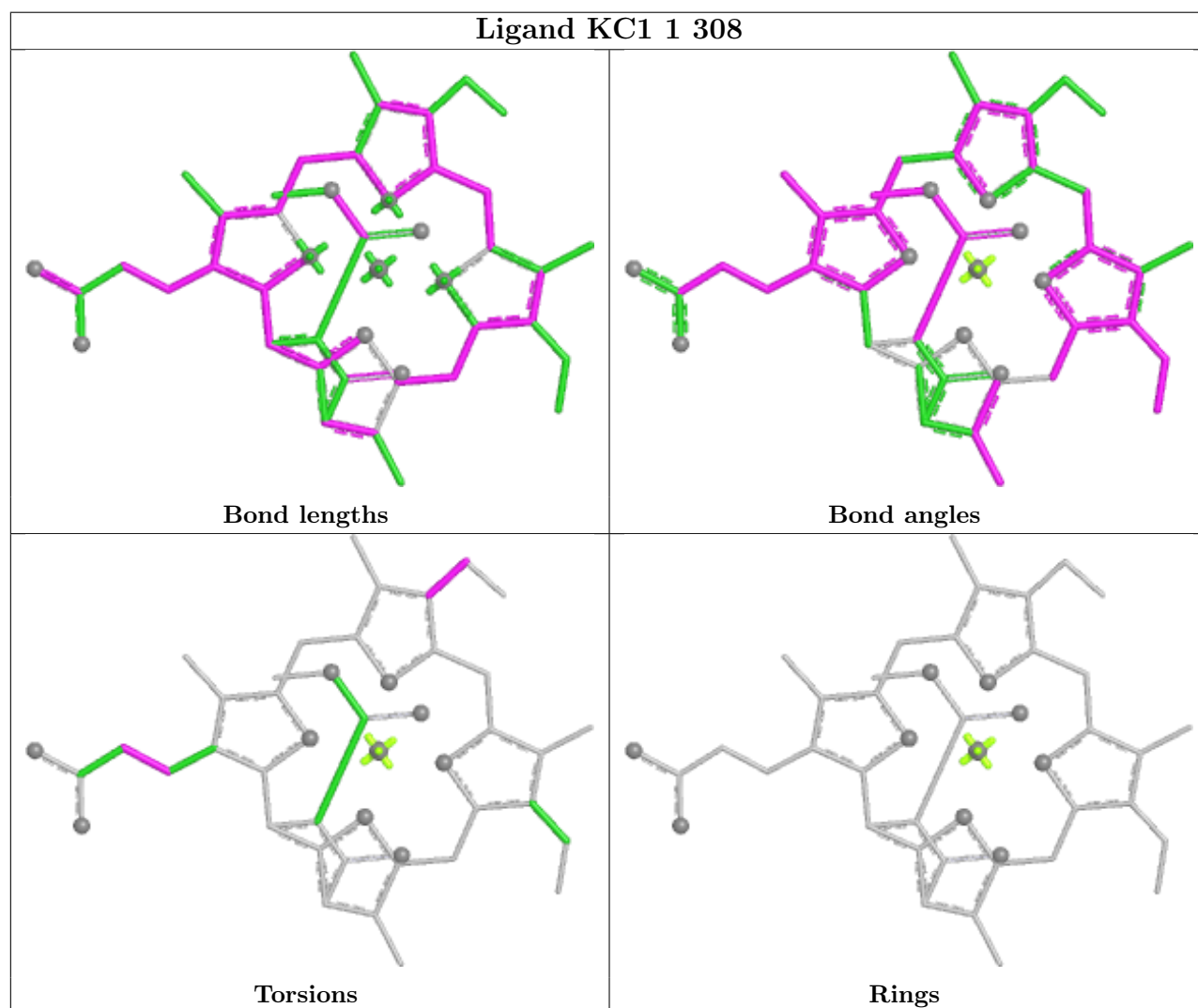
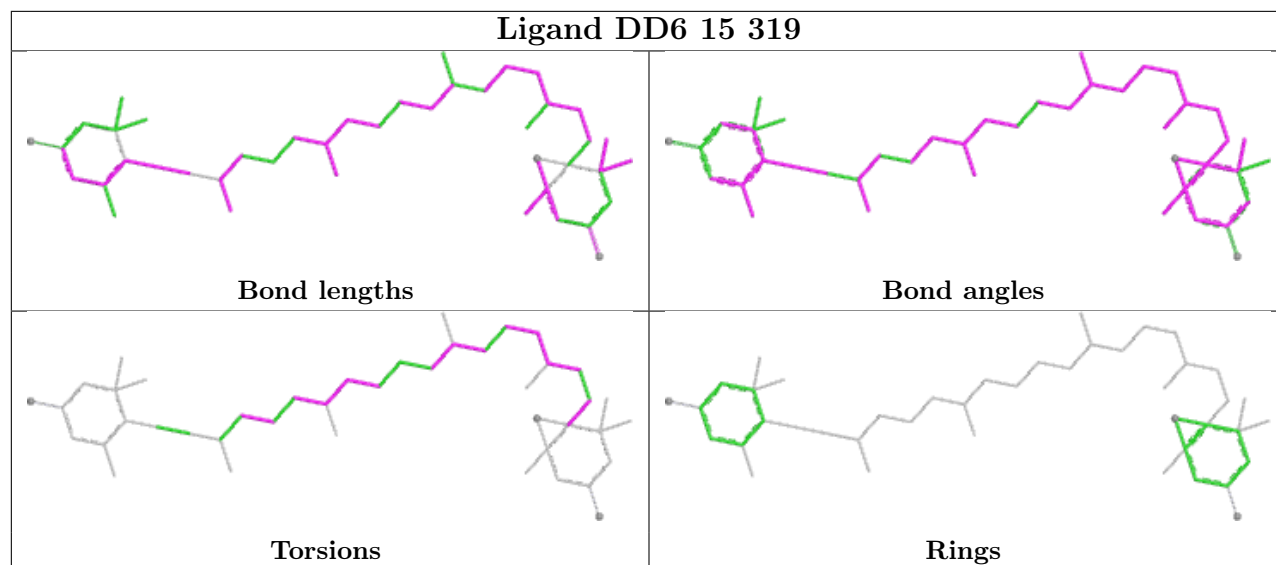
| Mol | Chain | Res | Type | Clashes | Symm-Clashes |
|-----|-------|-----|------|---------|--------------|
| 30 | A | 803 | CLA | 2 | 0 |
| 30 | 11 | 306 | CLA | 2 | 0 |
| 30 | 11 | 304 | CLA | 3 | 0 |
| 38 | 5 | 312 | KC1 | 1 | 0 |
| 30 | 12 | 302 | CLA | 1 | 0 |

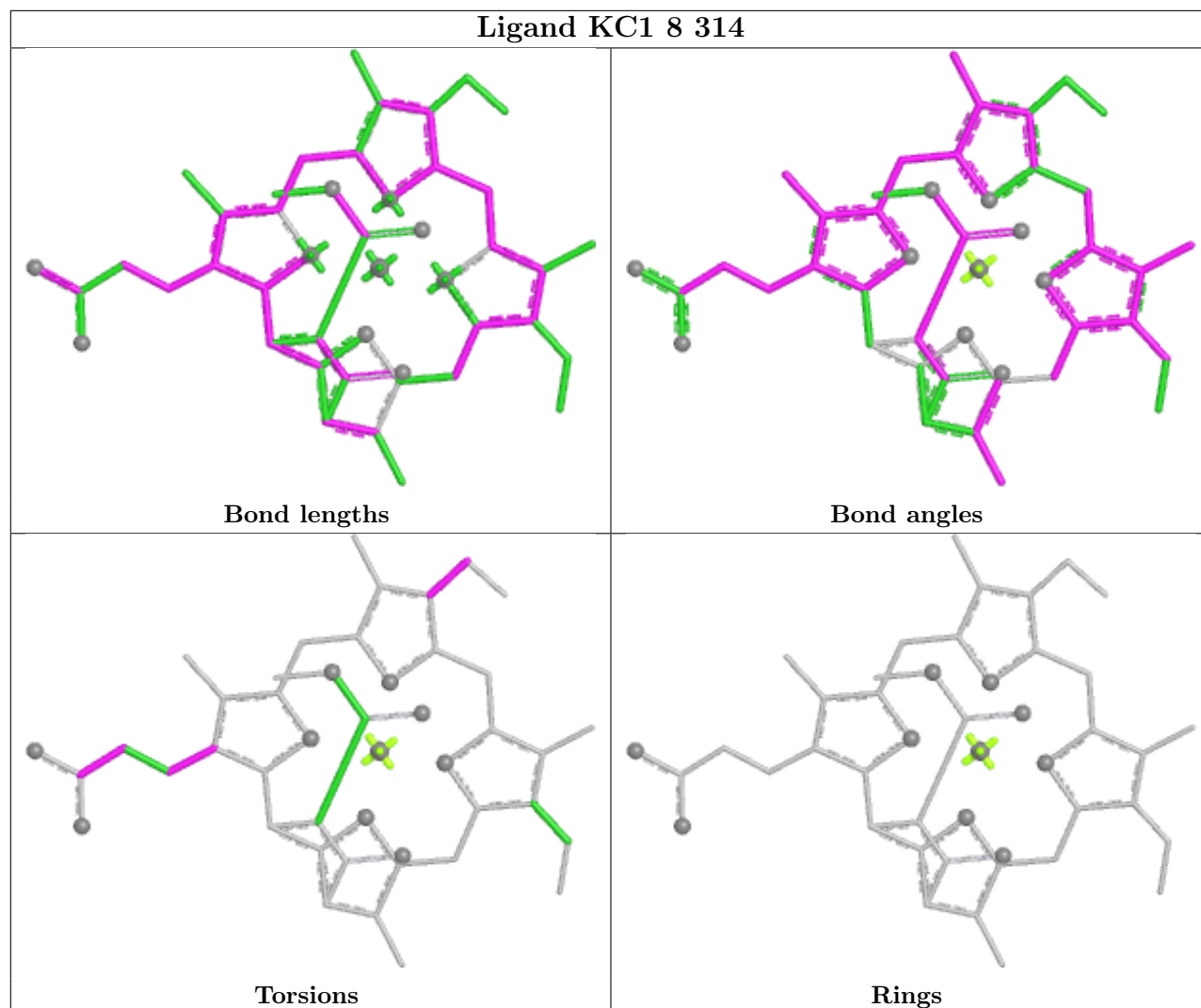
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less than 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

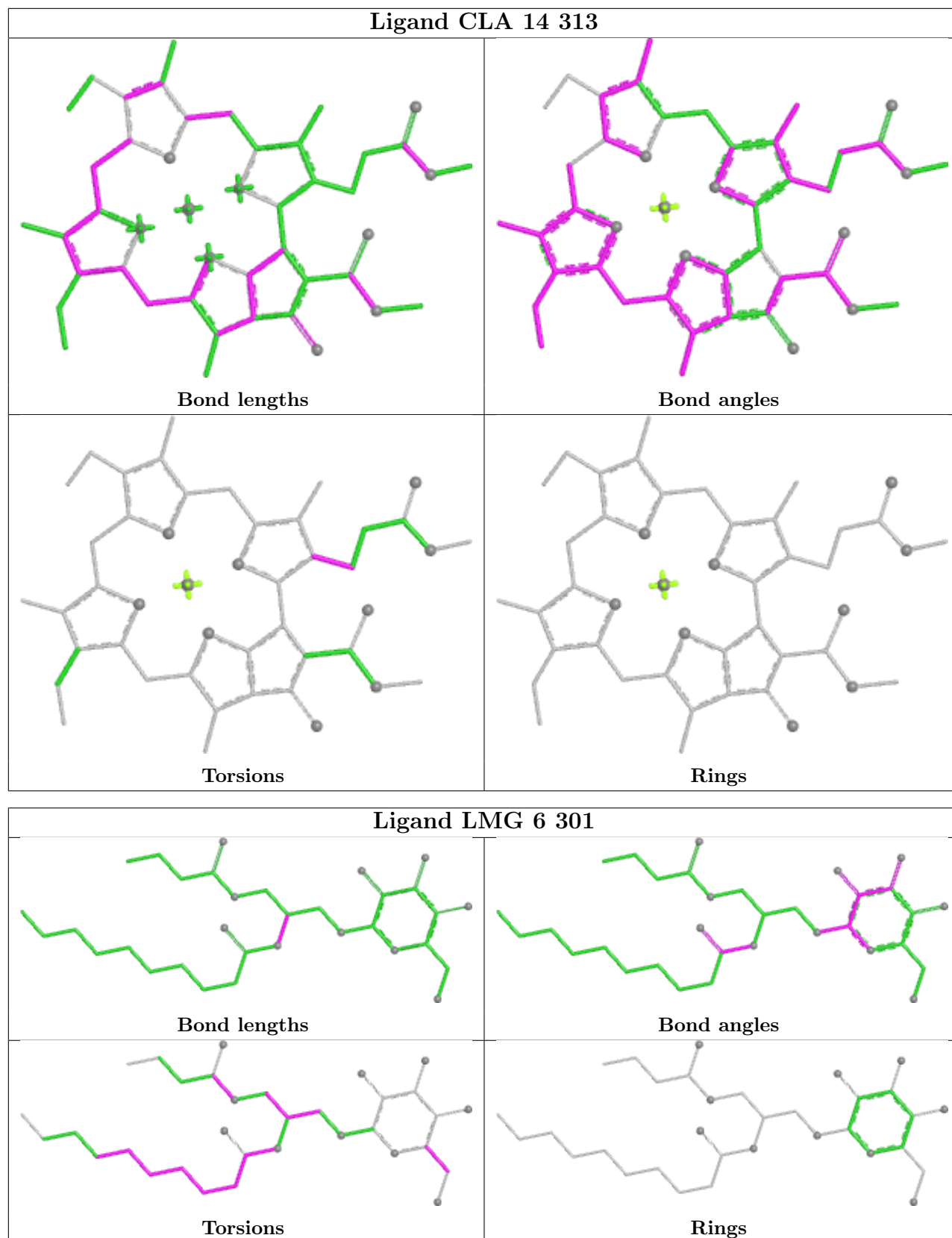


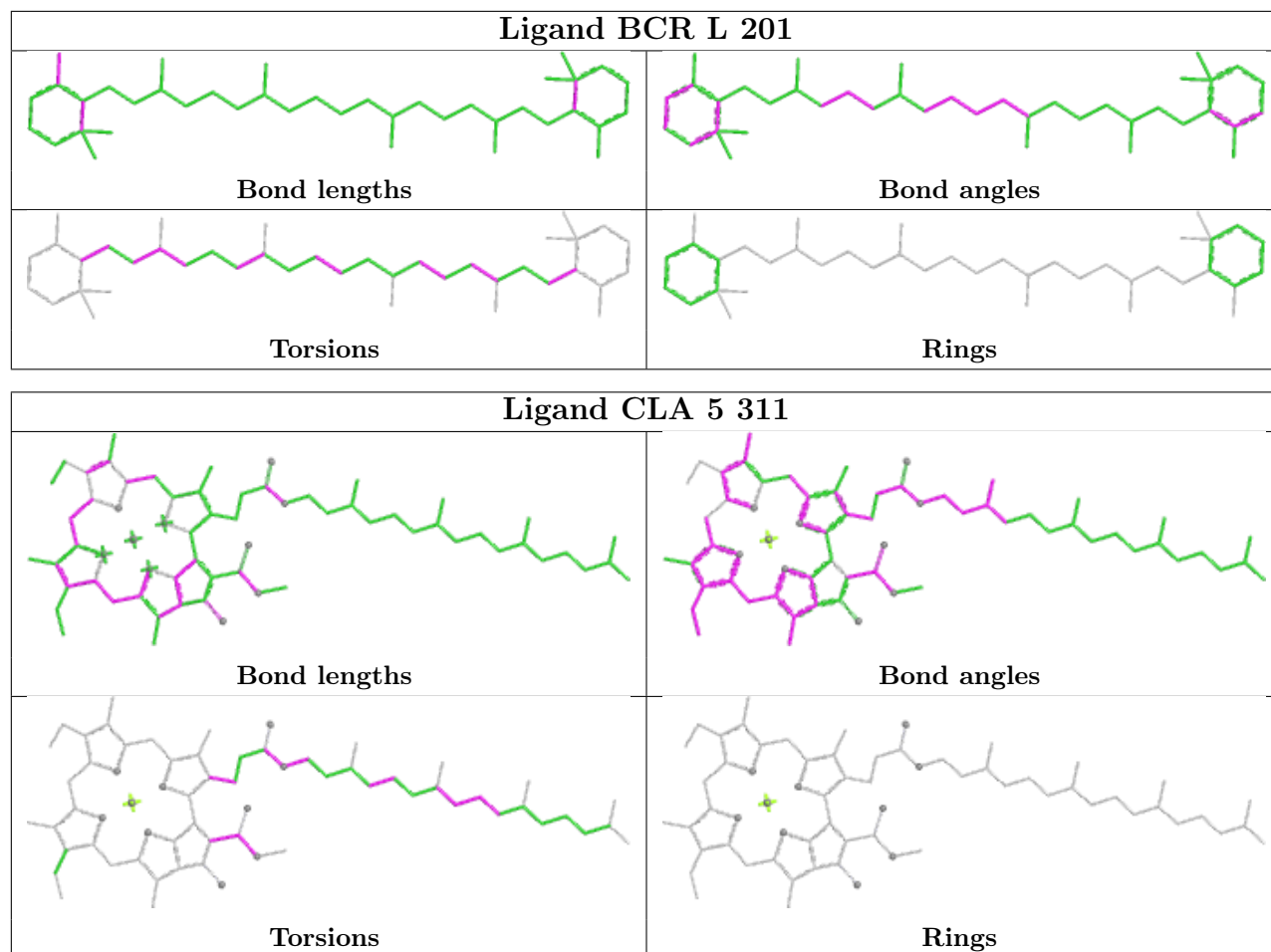


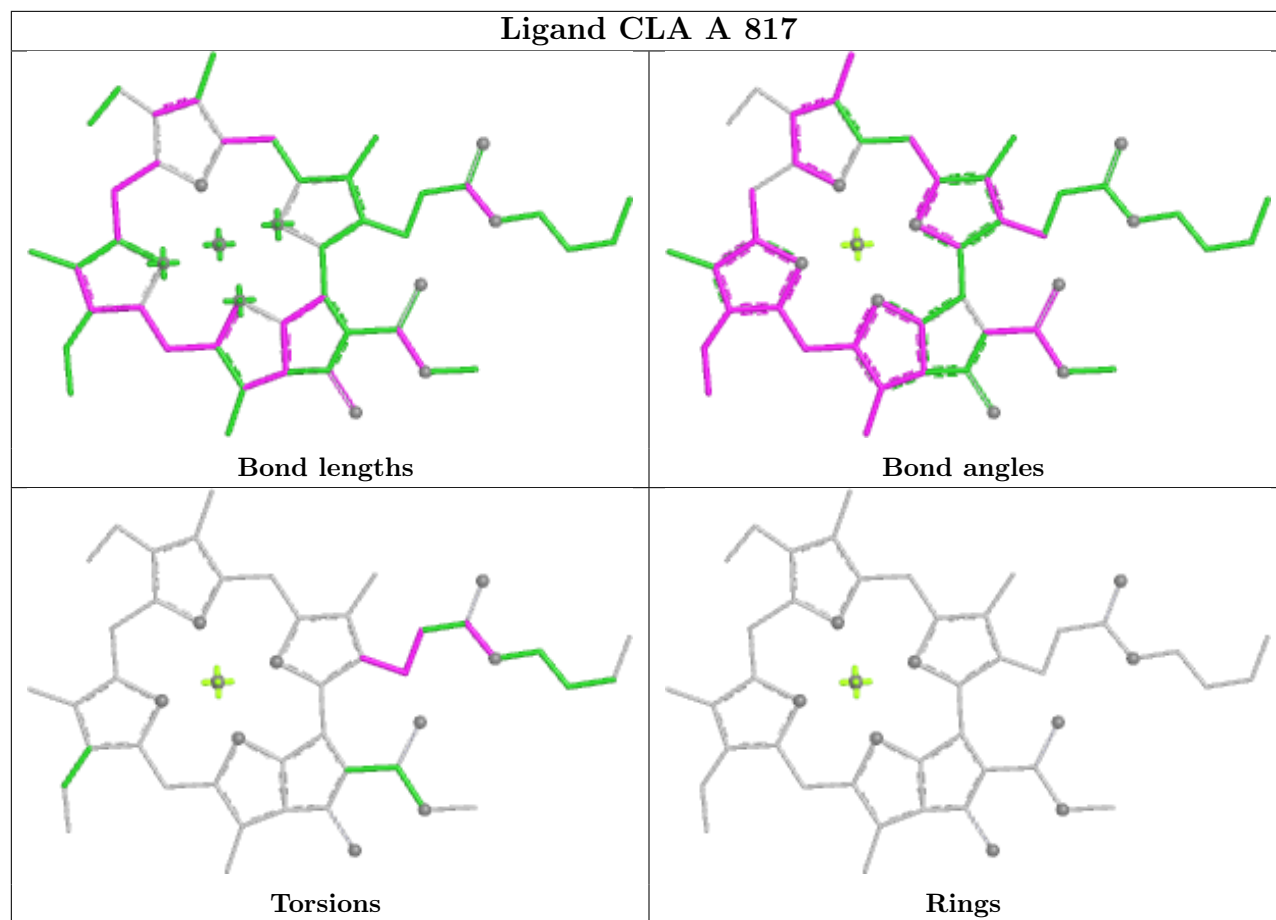


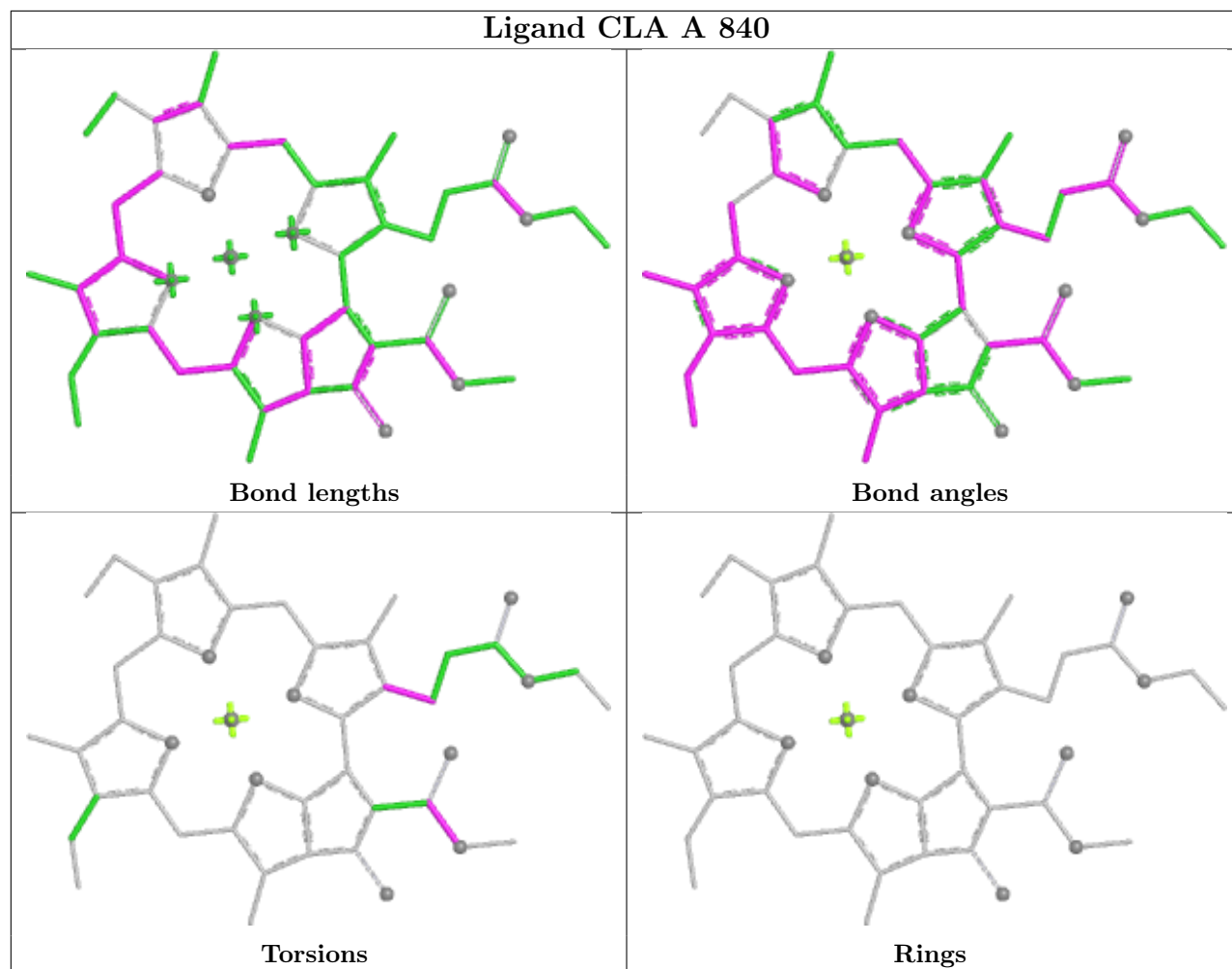


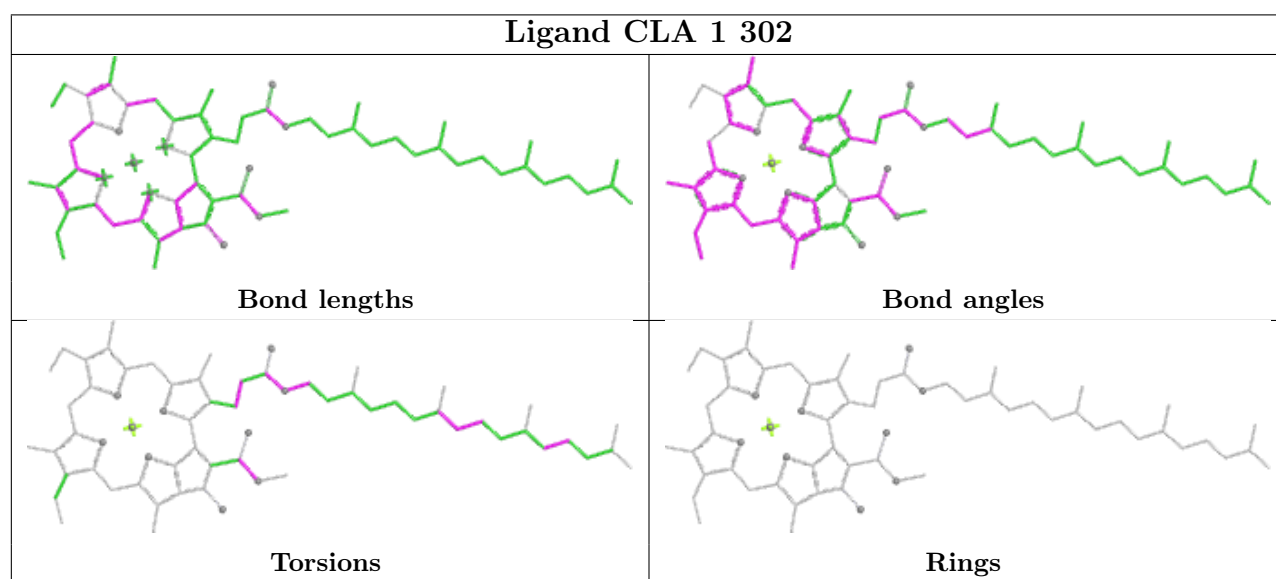
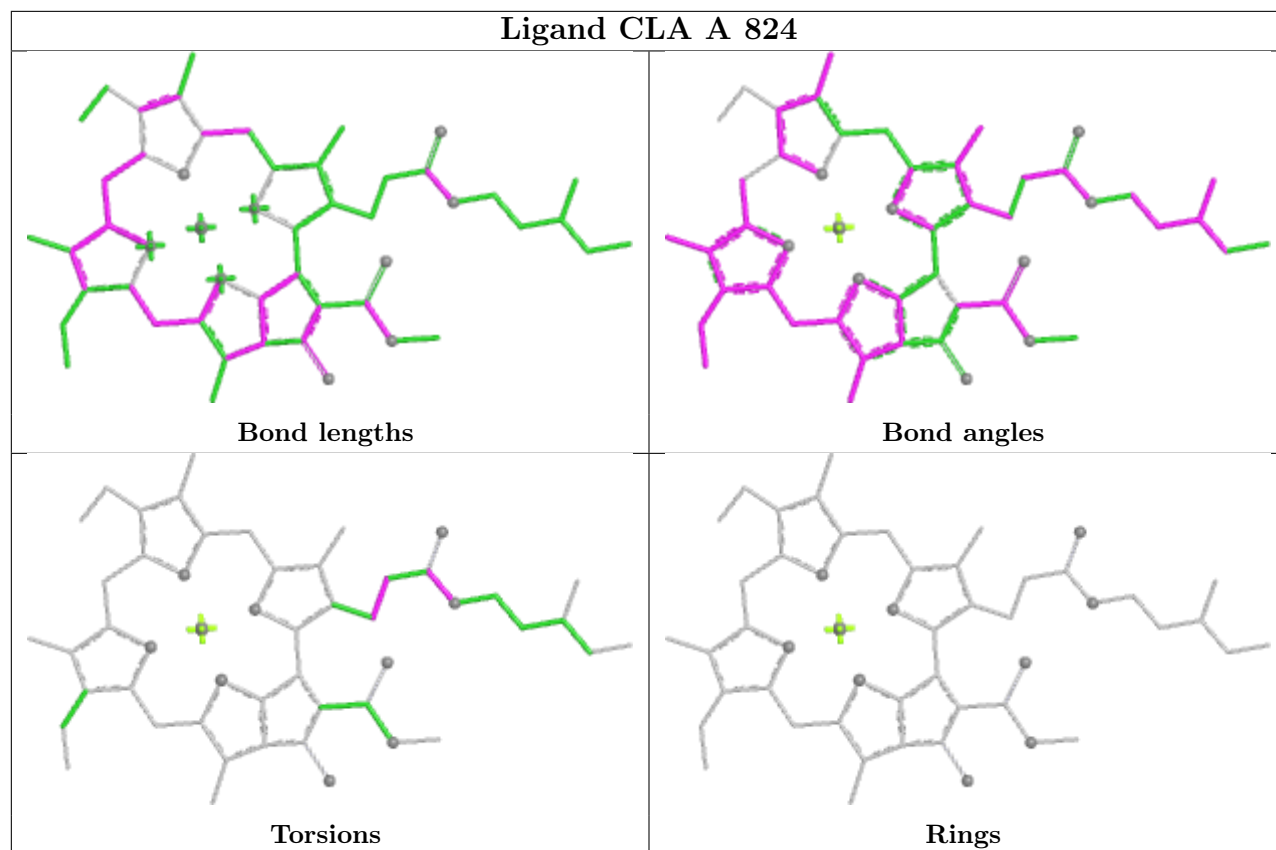


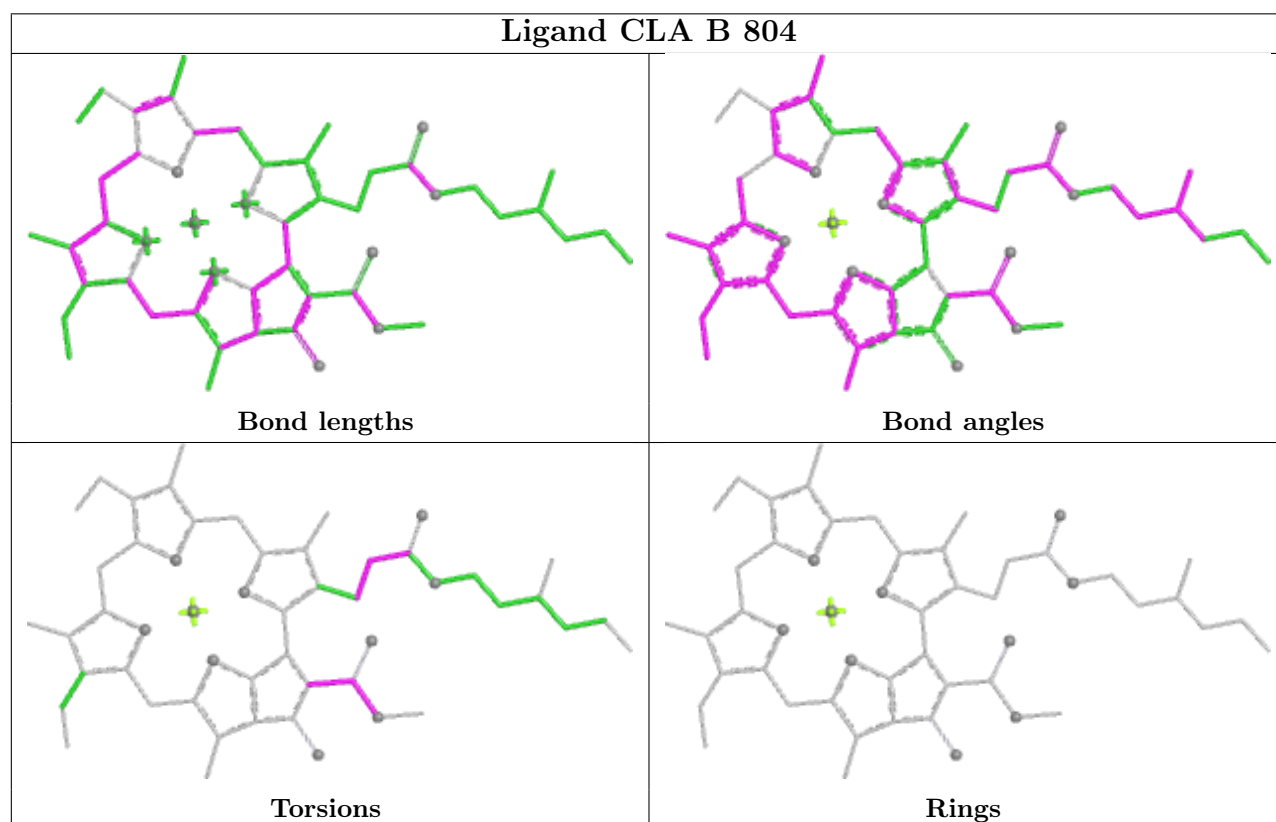
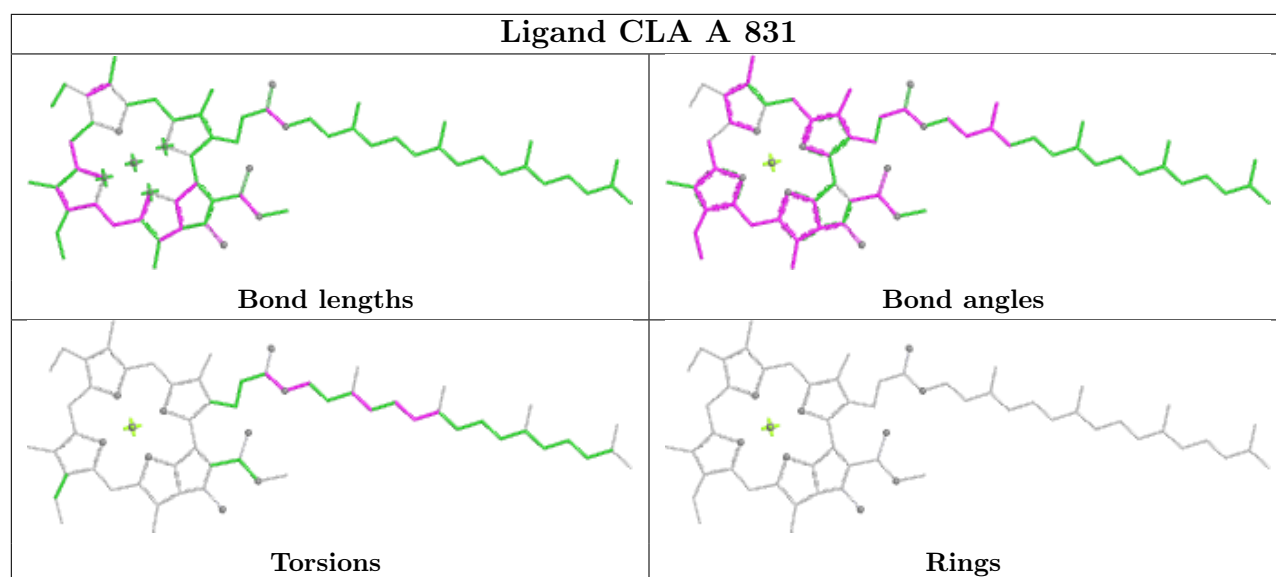


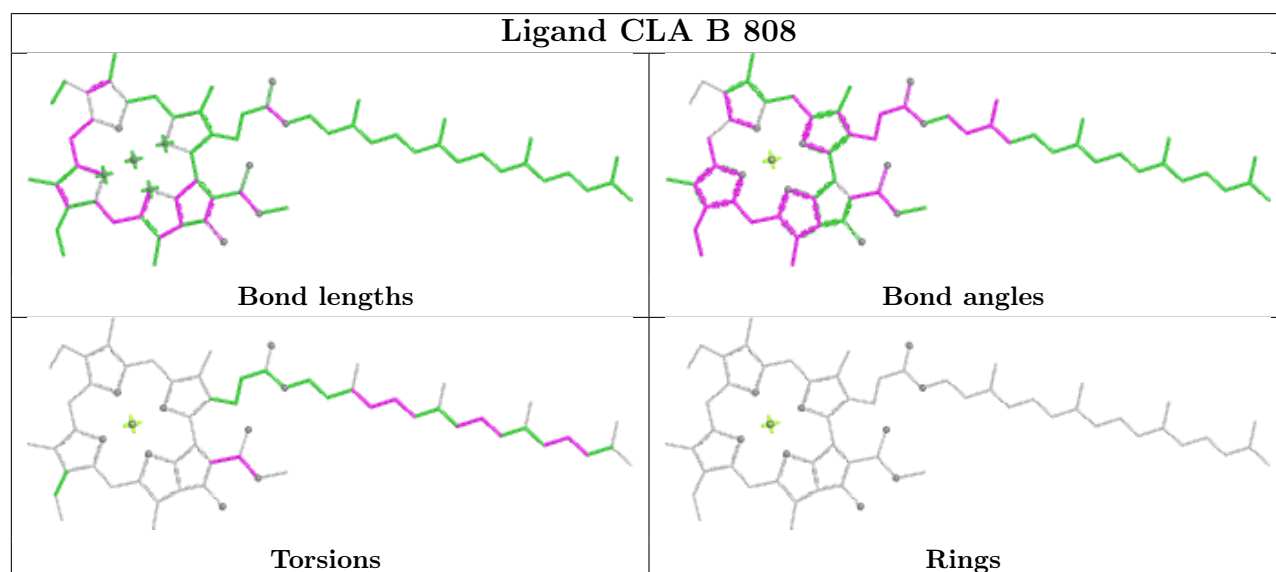
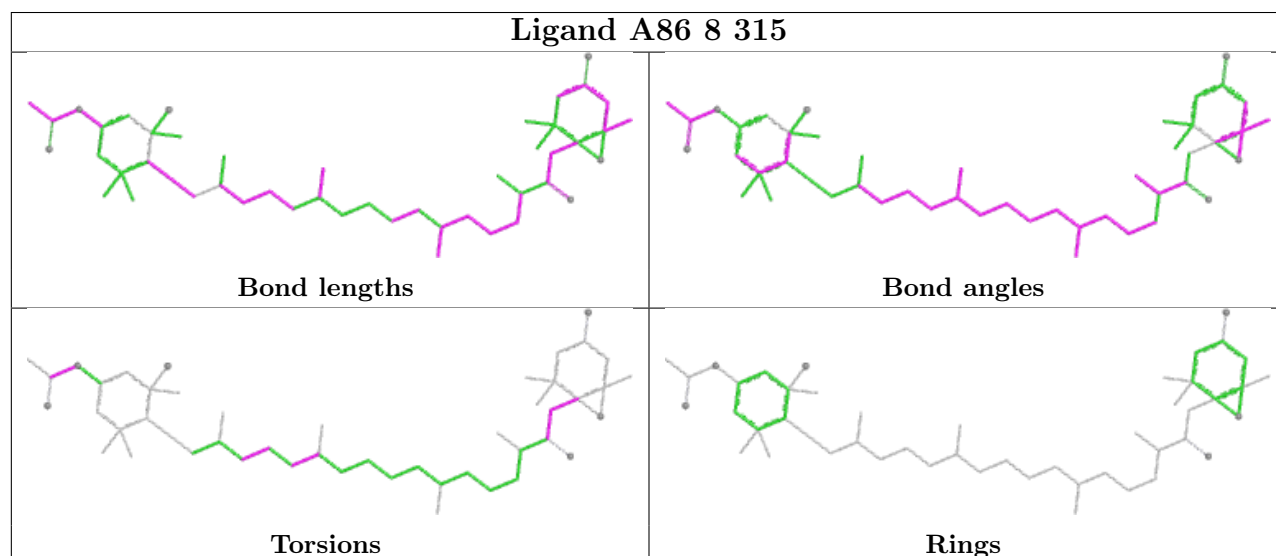
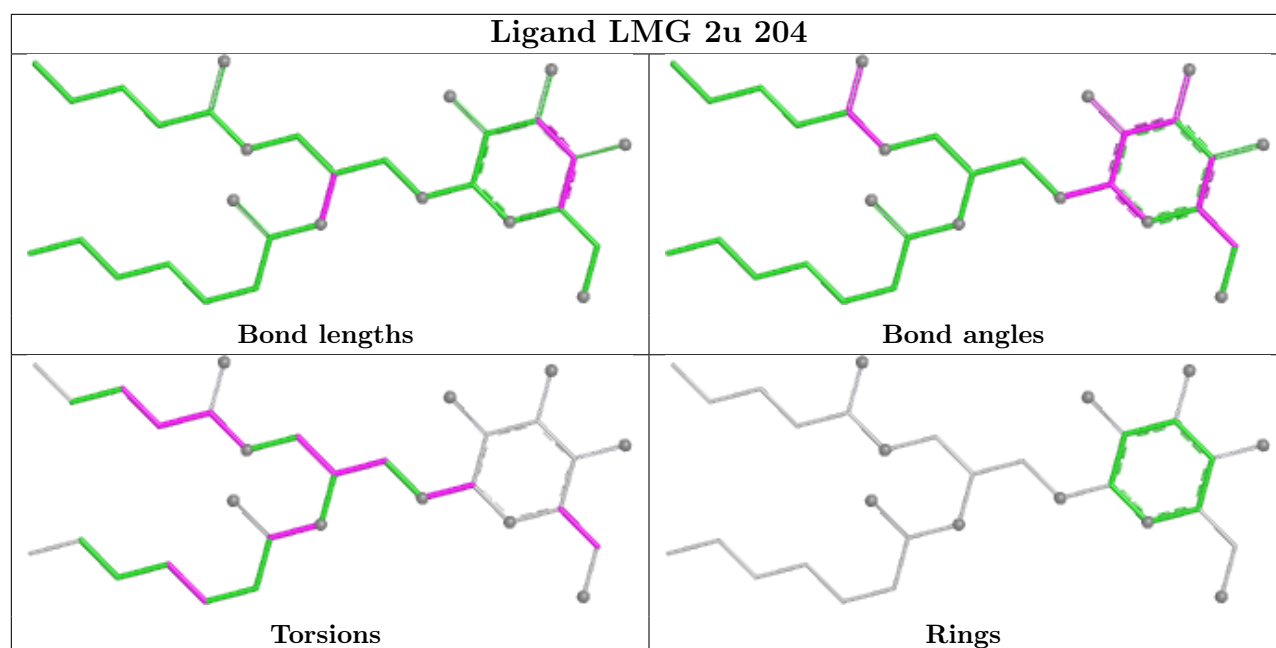


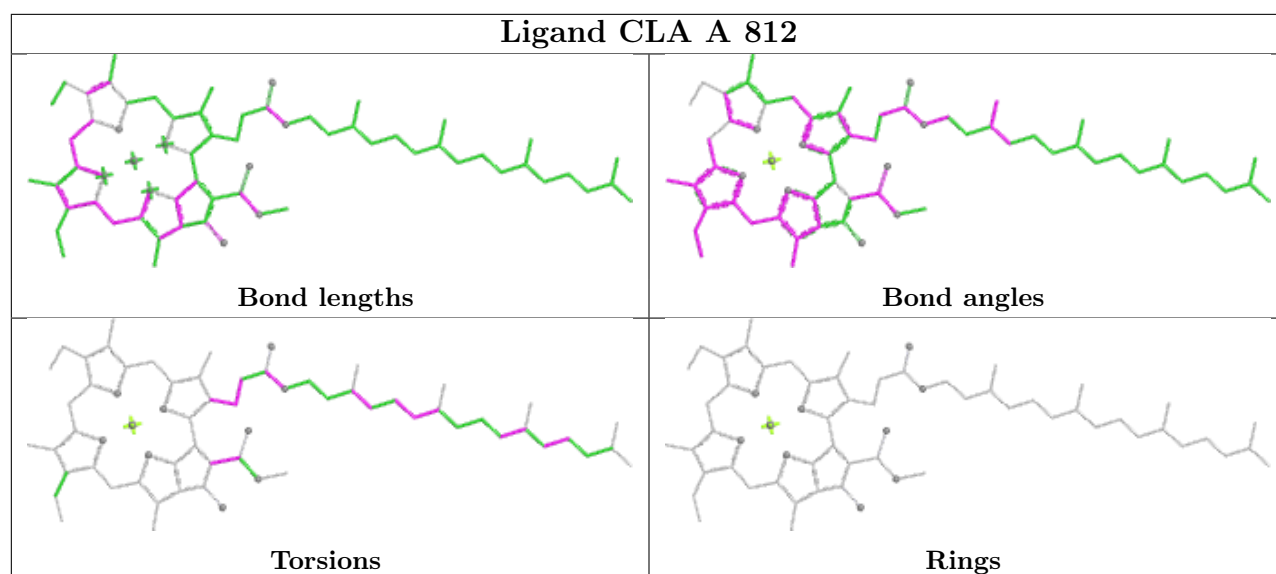
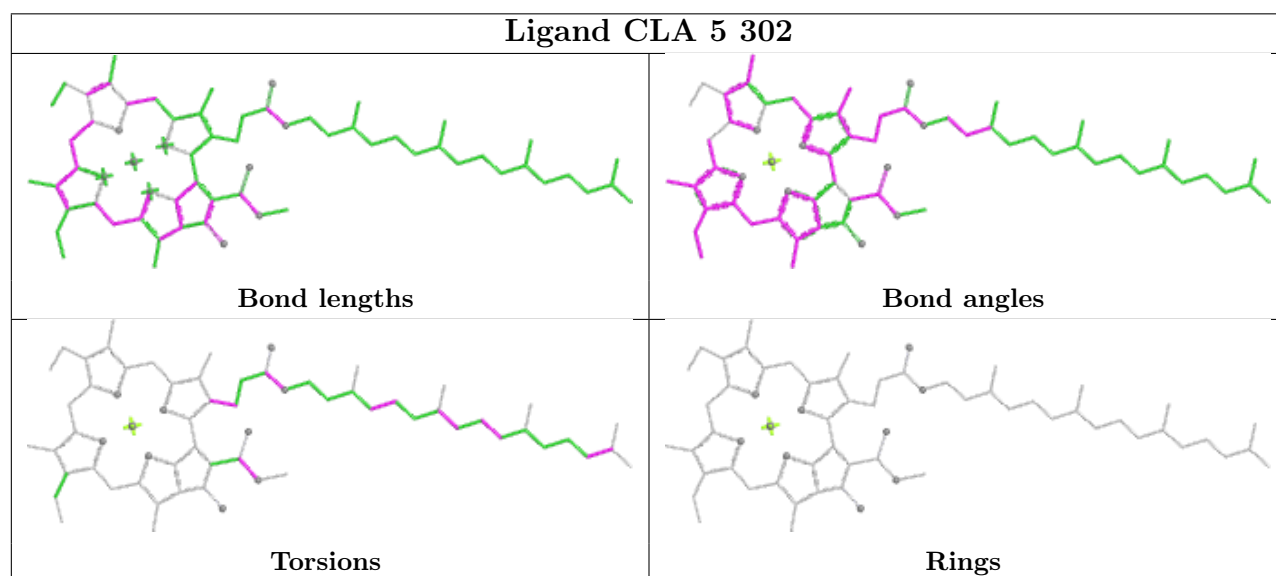
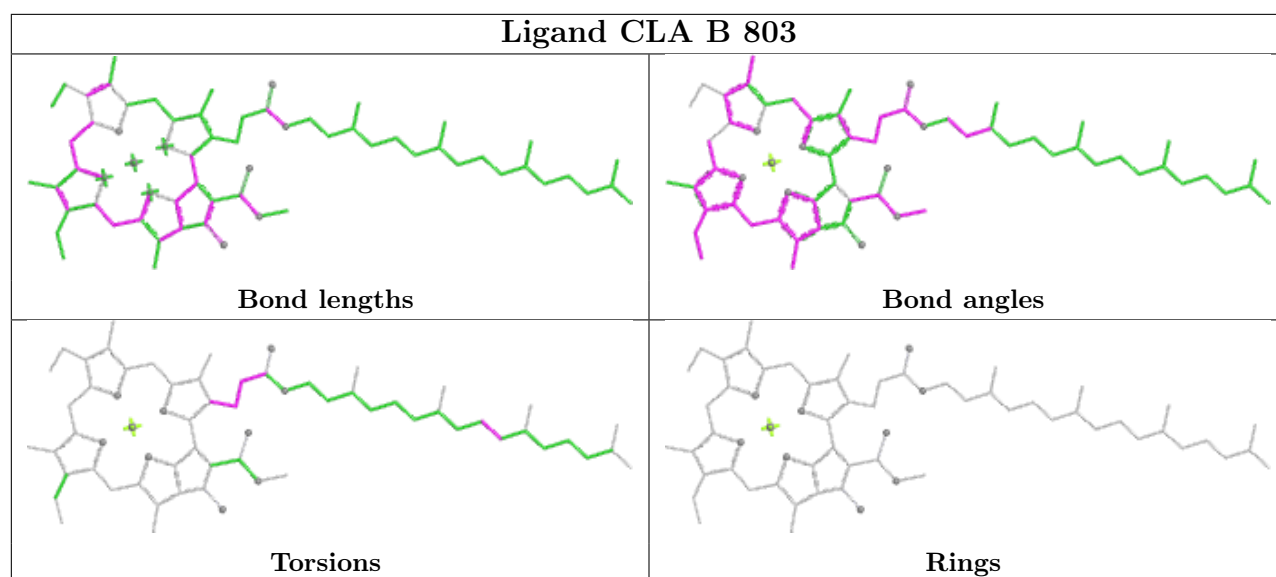


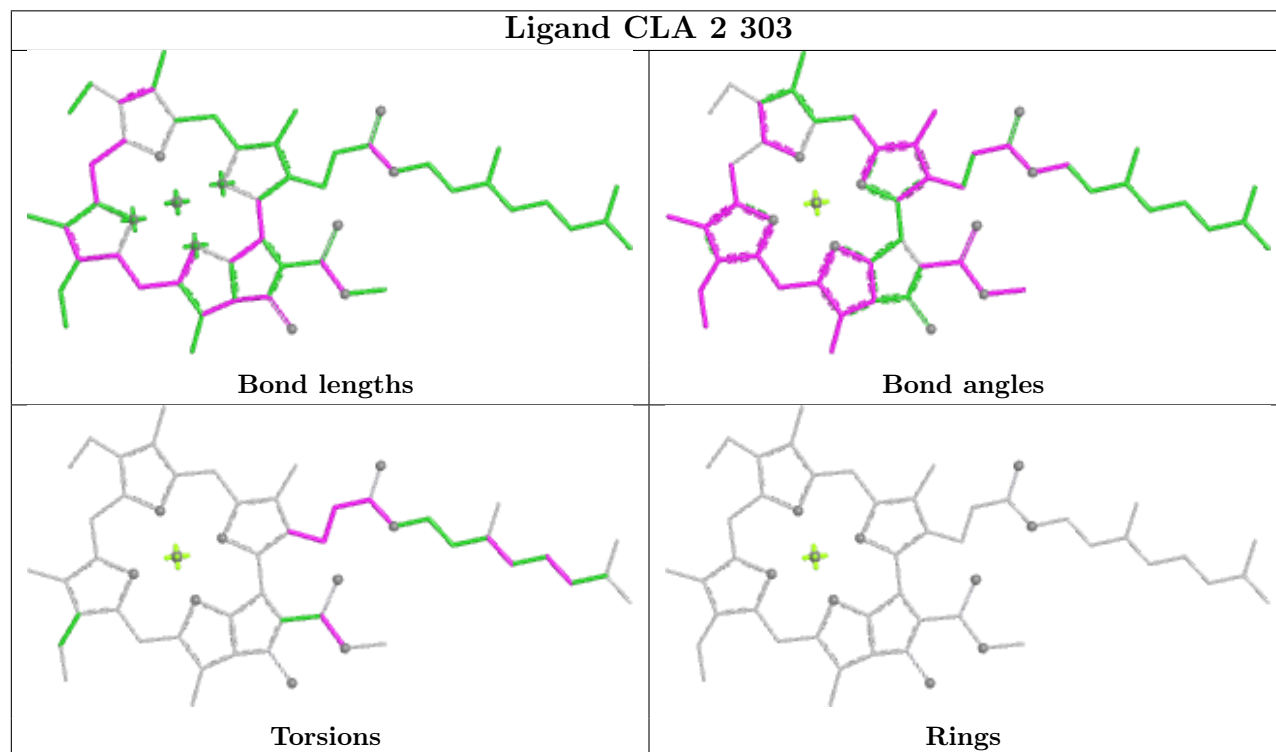
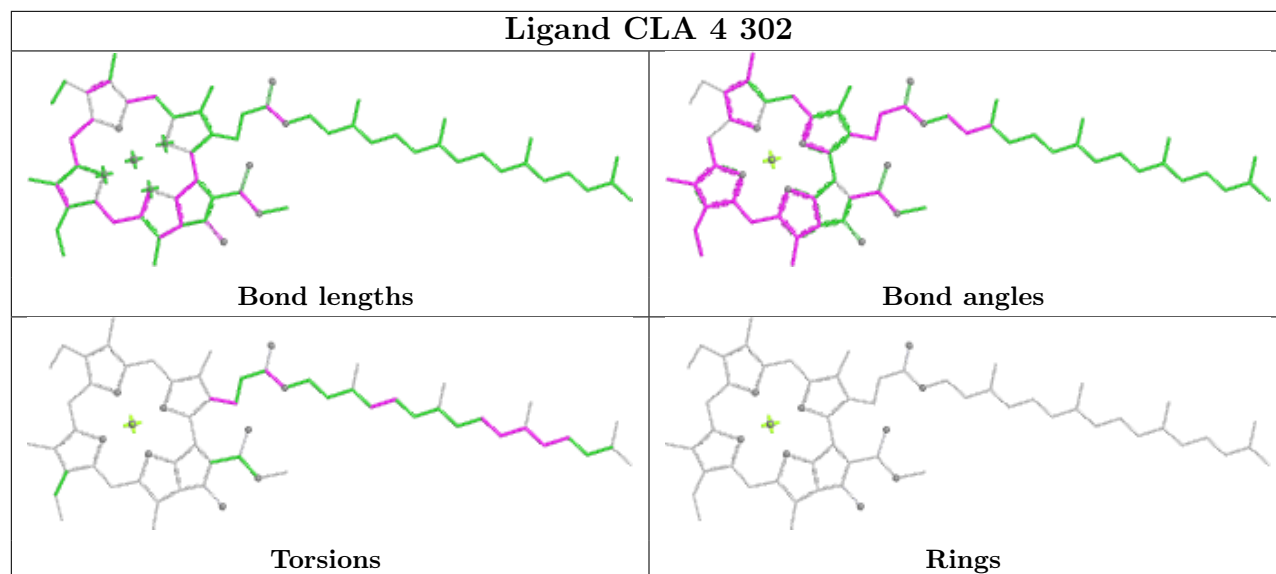


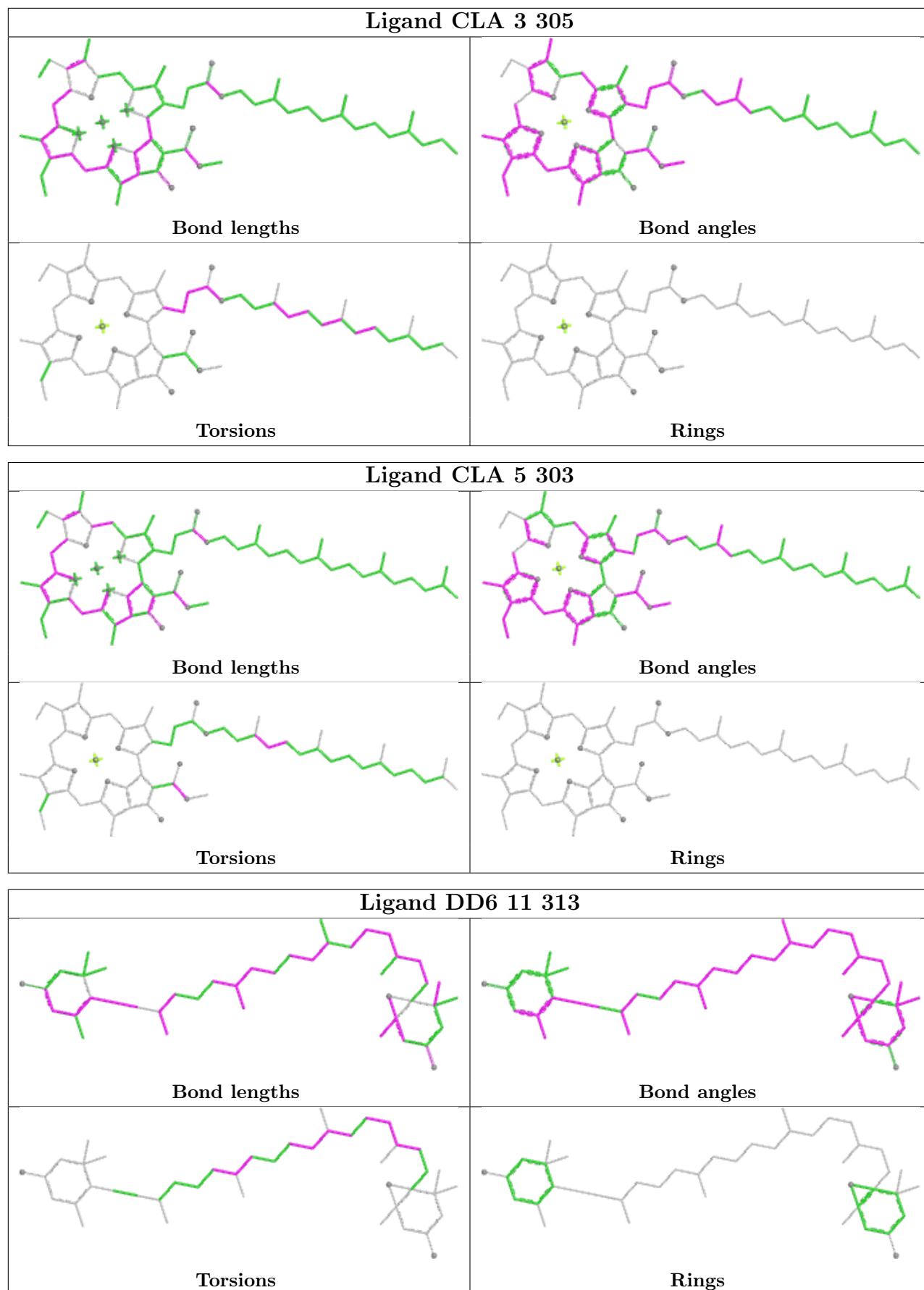


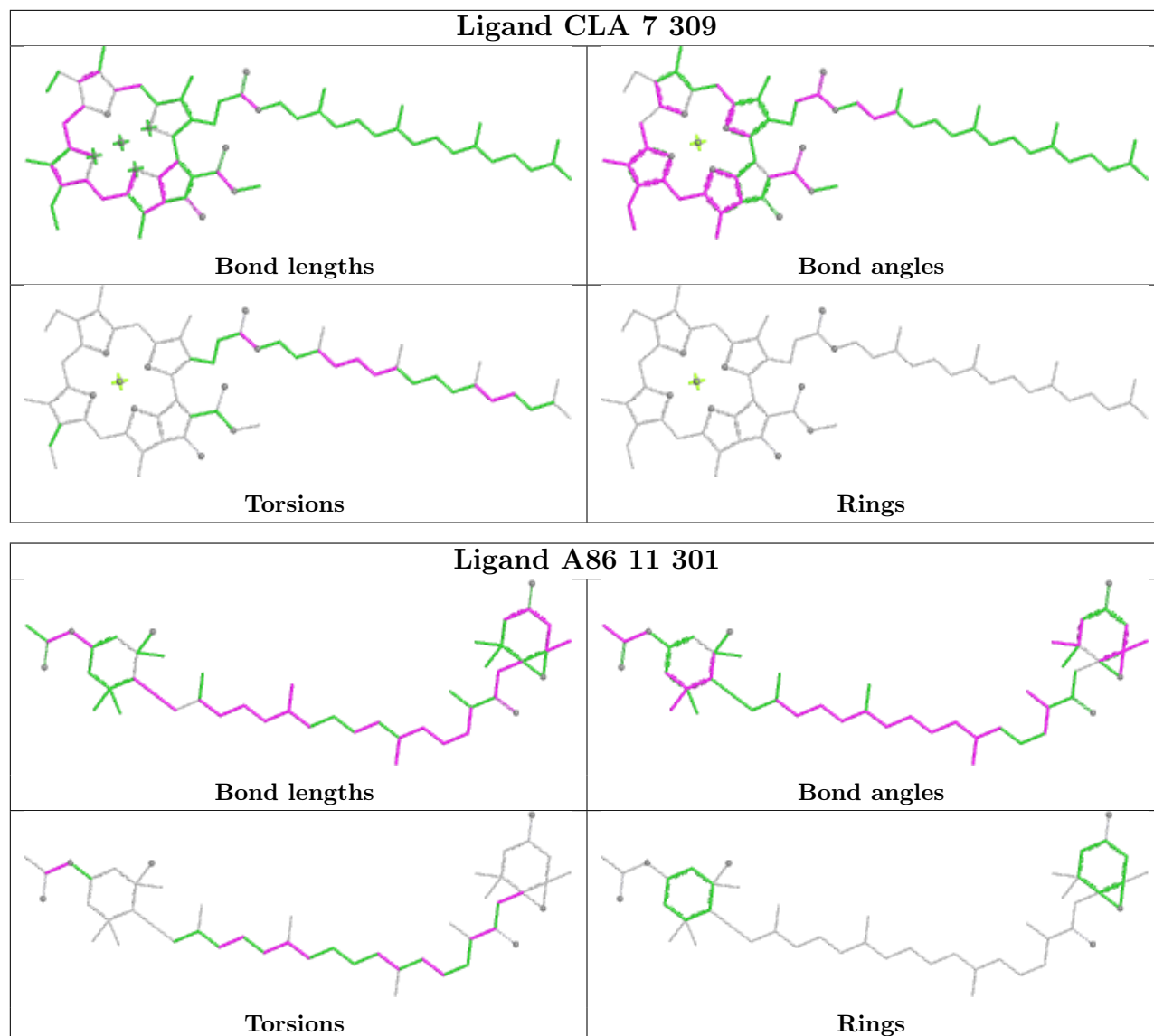


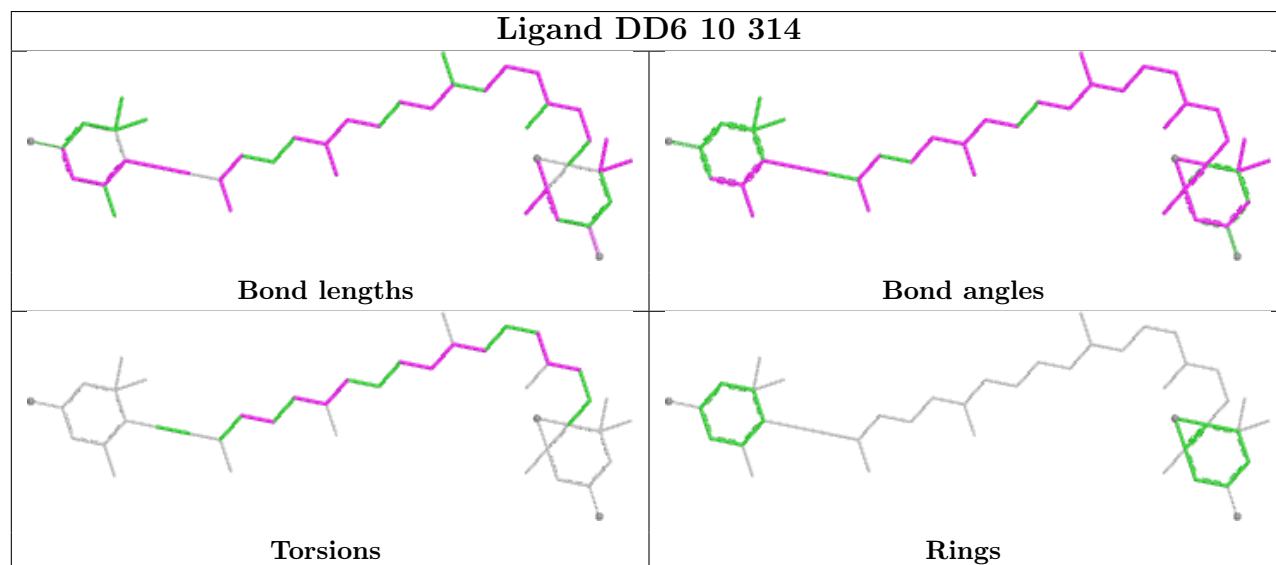
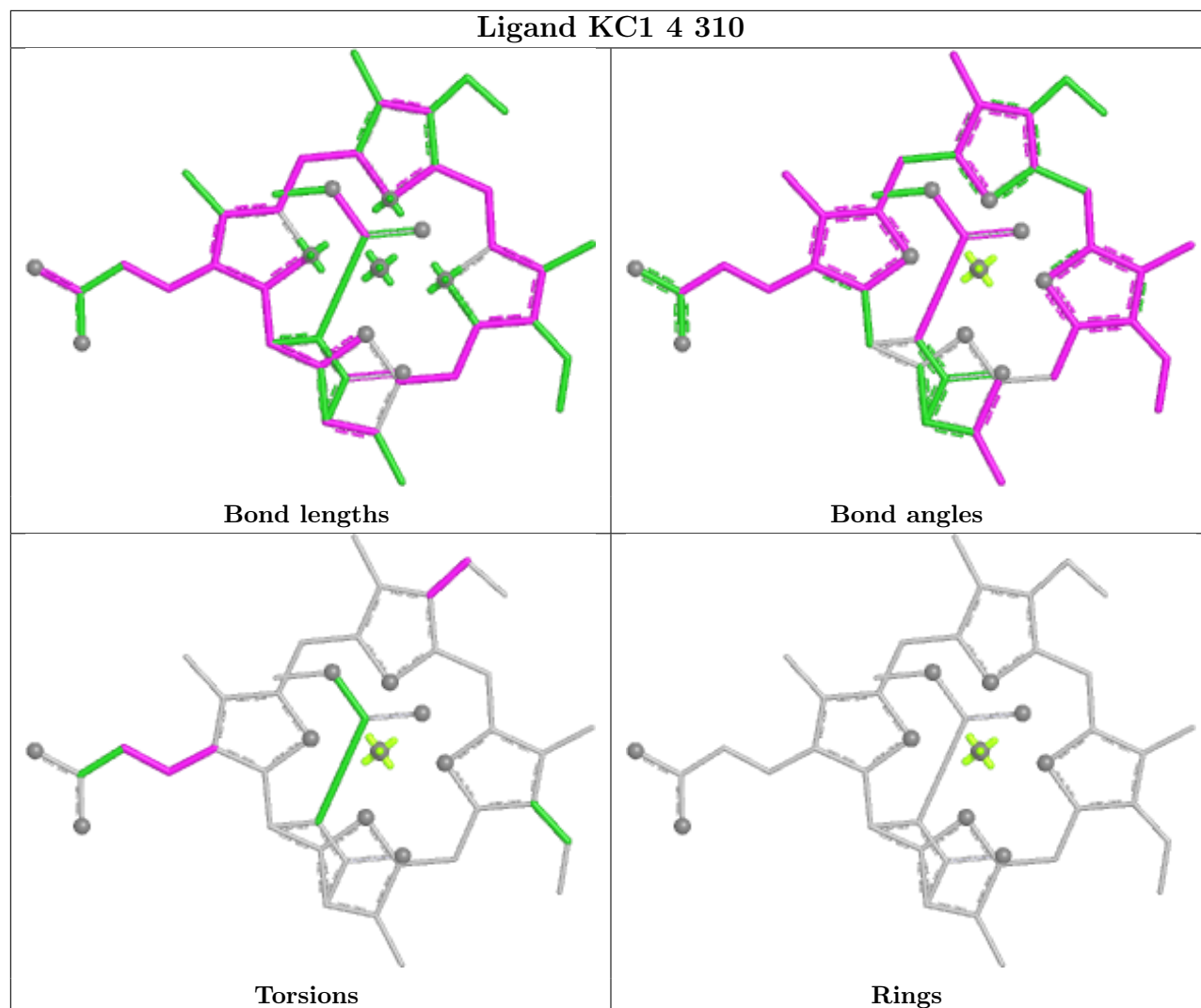


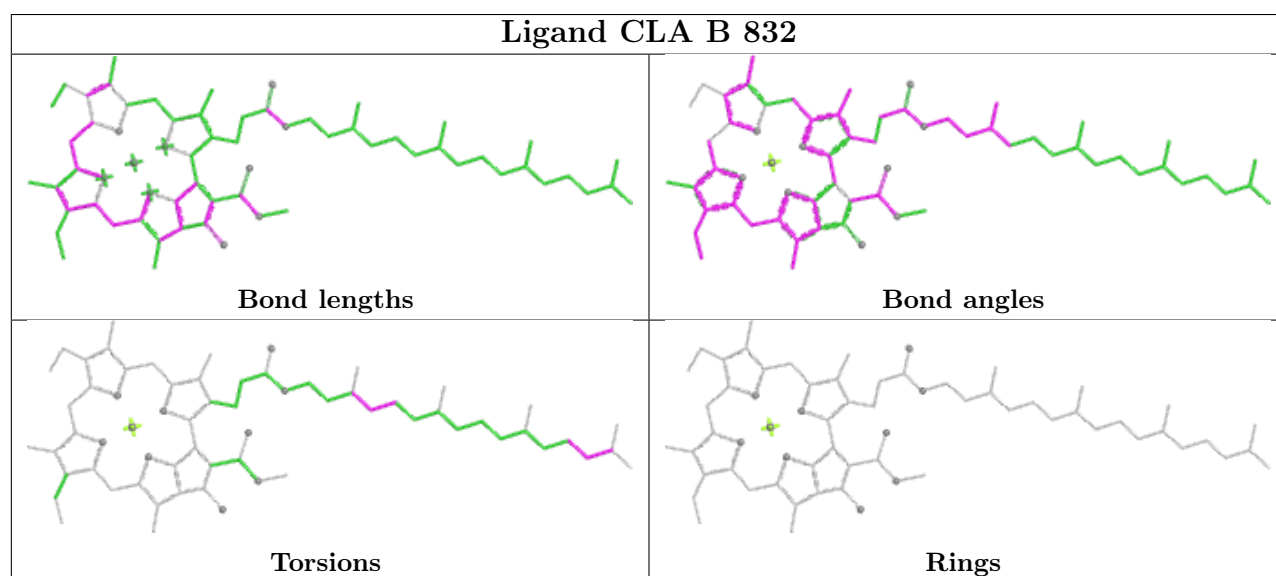
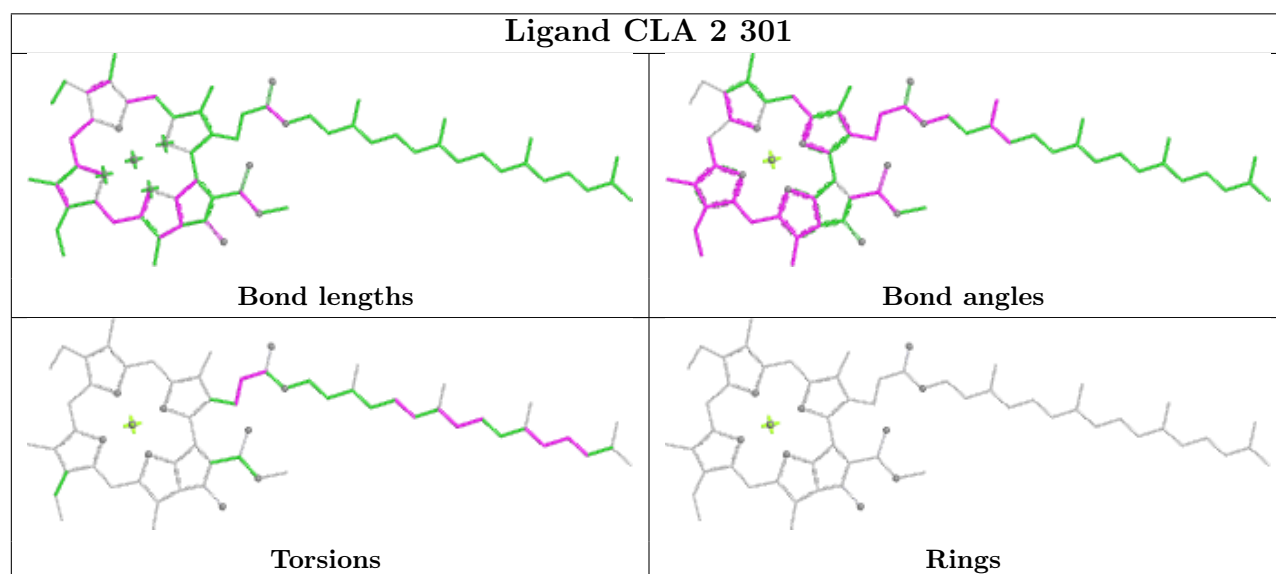
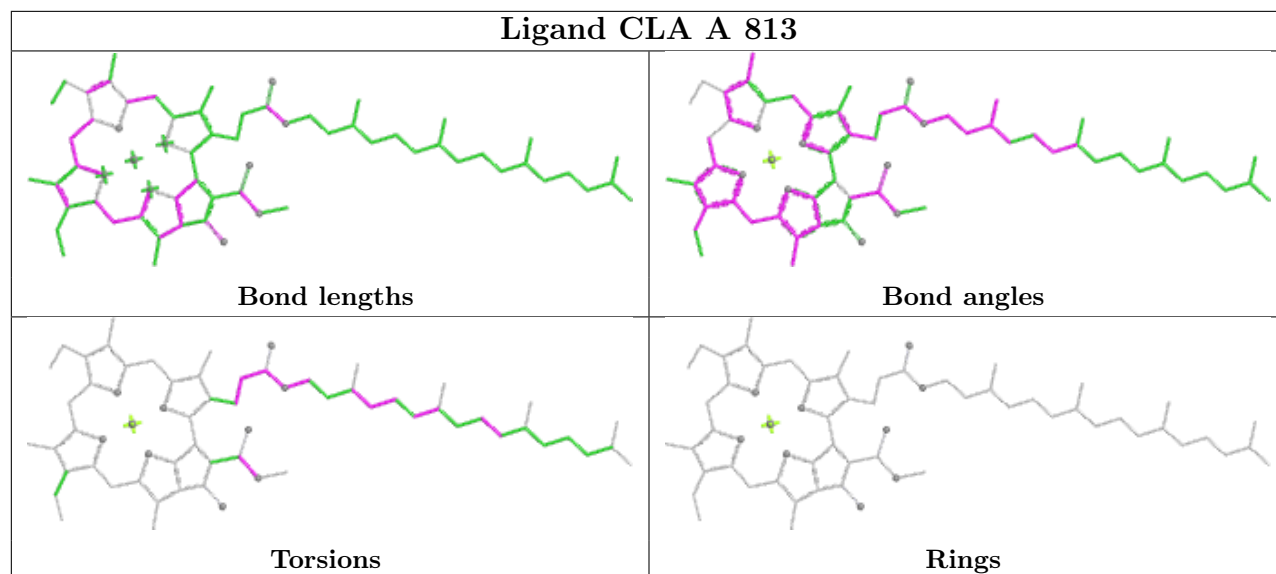


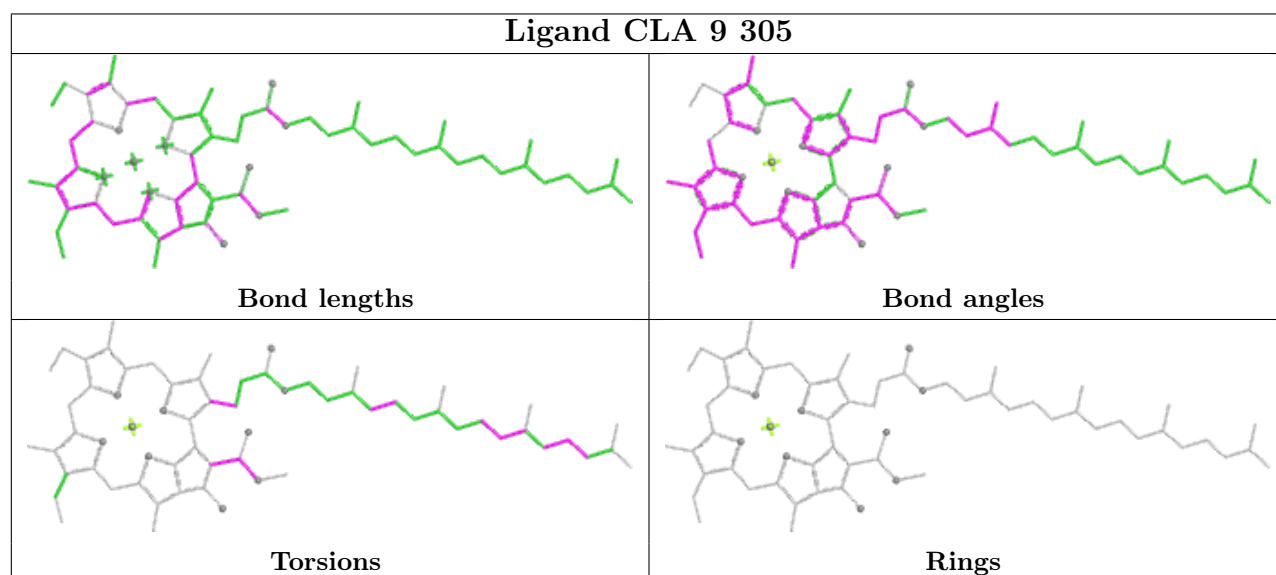
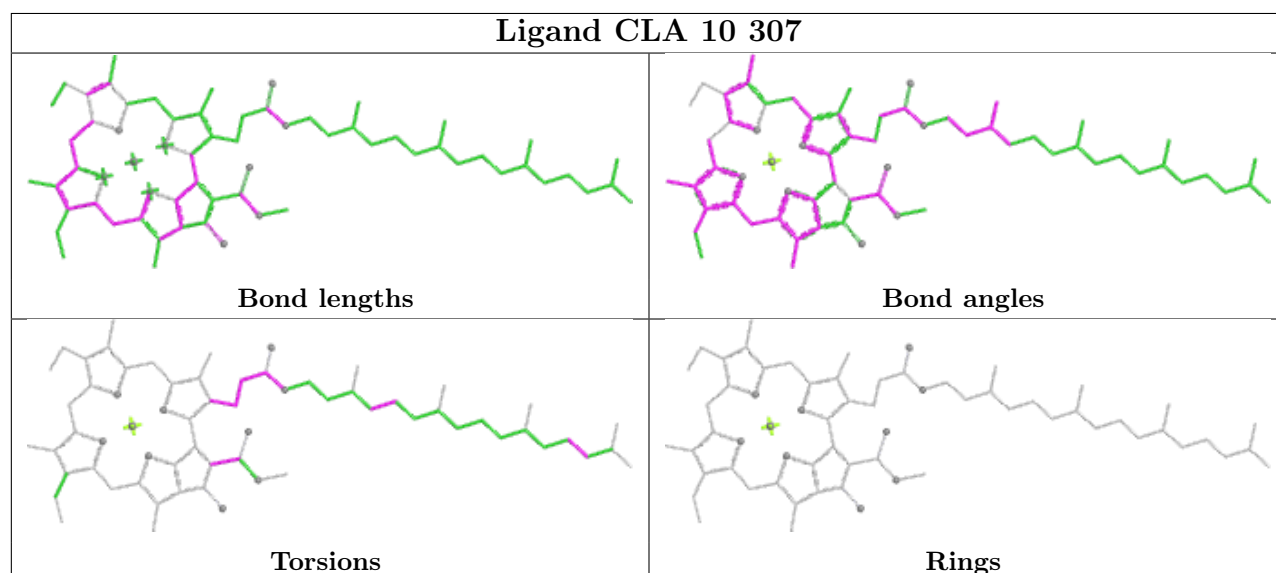
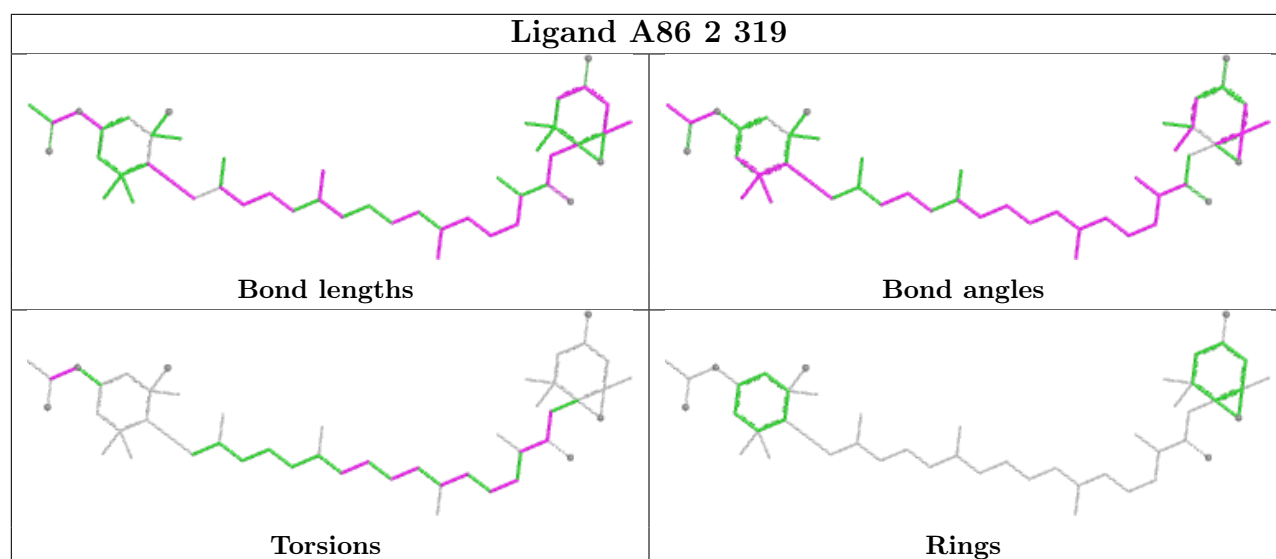


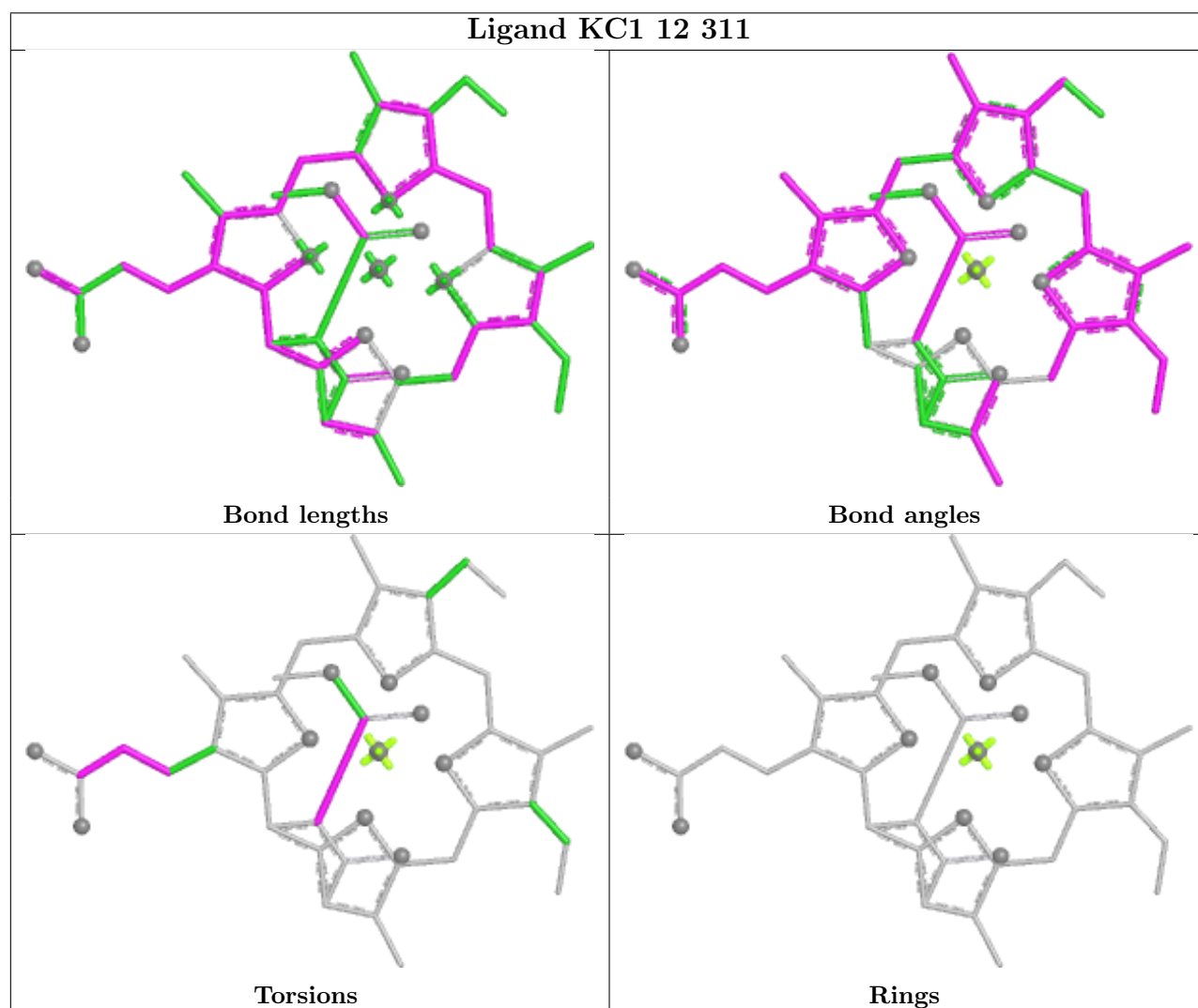
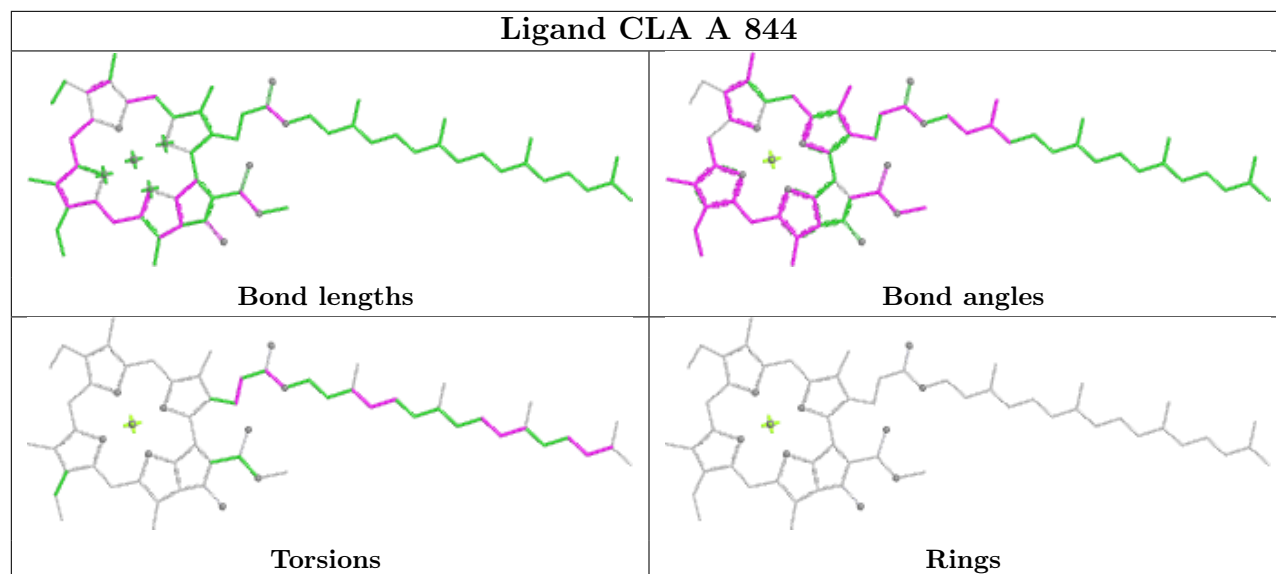


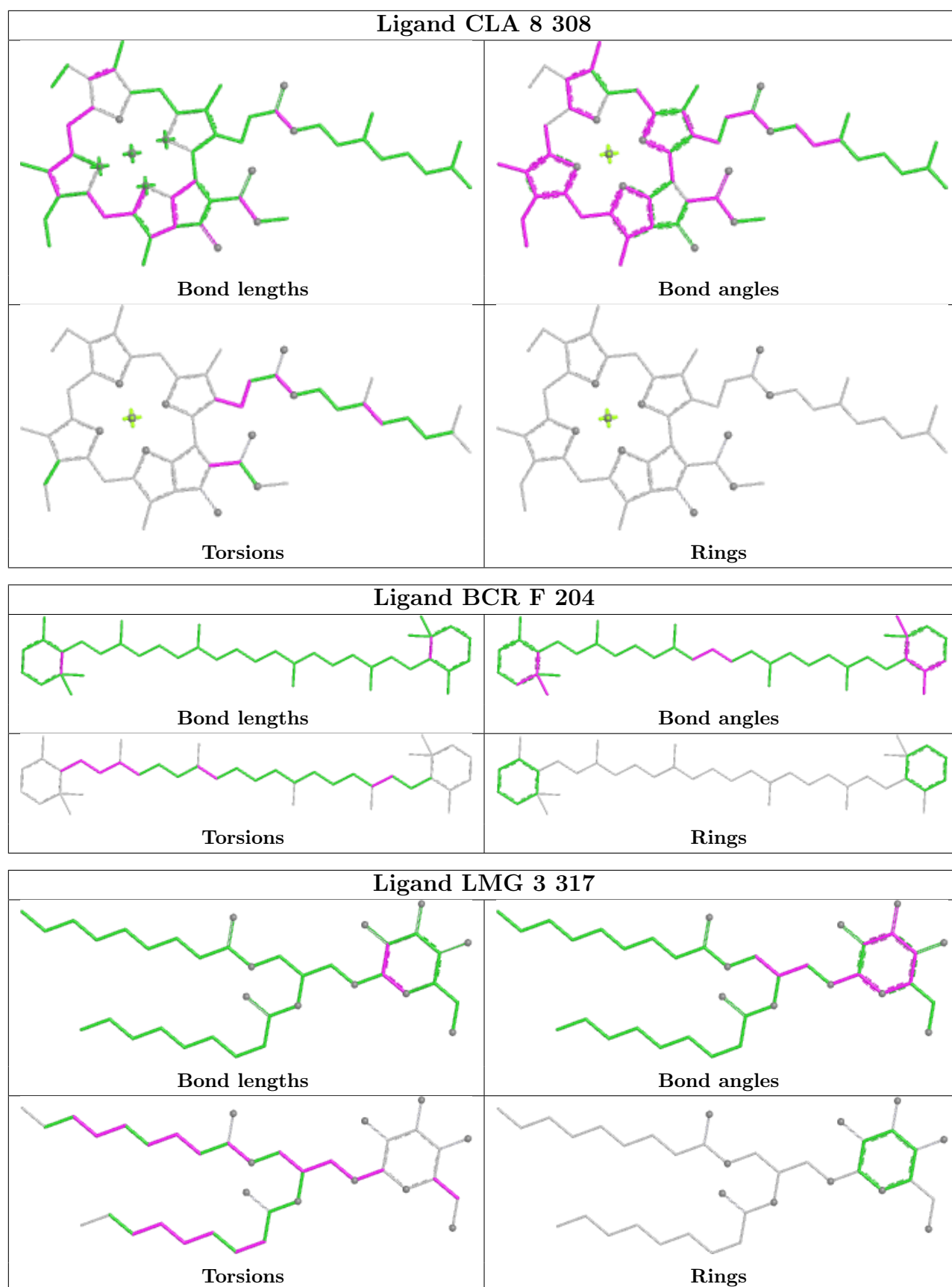


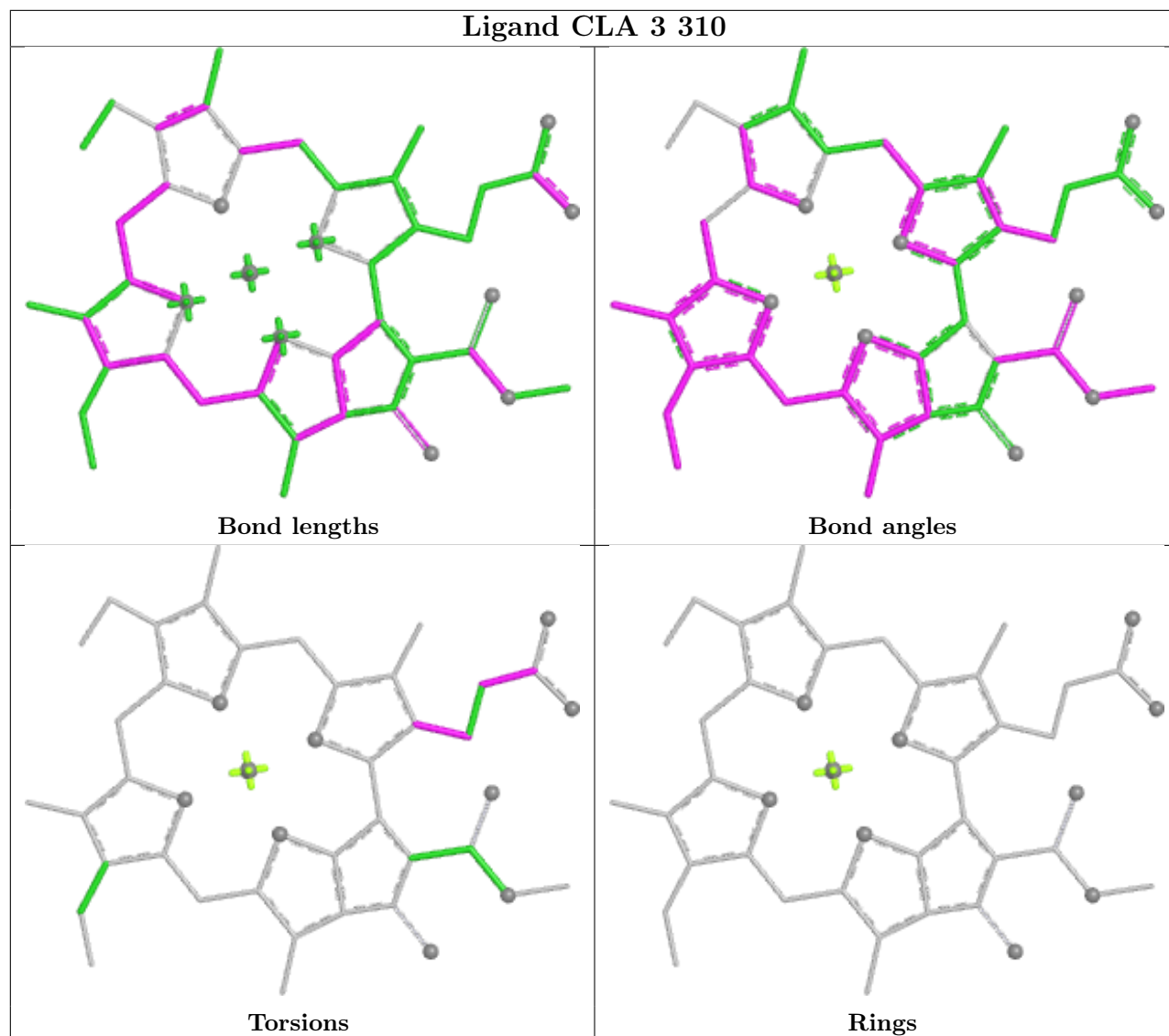


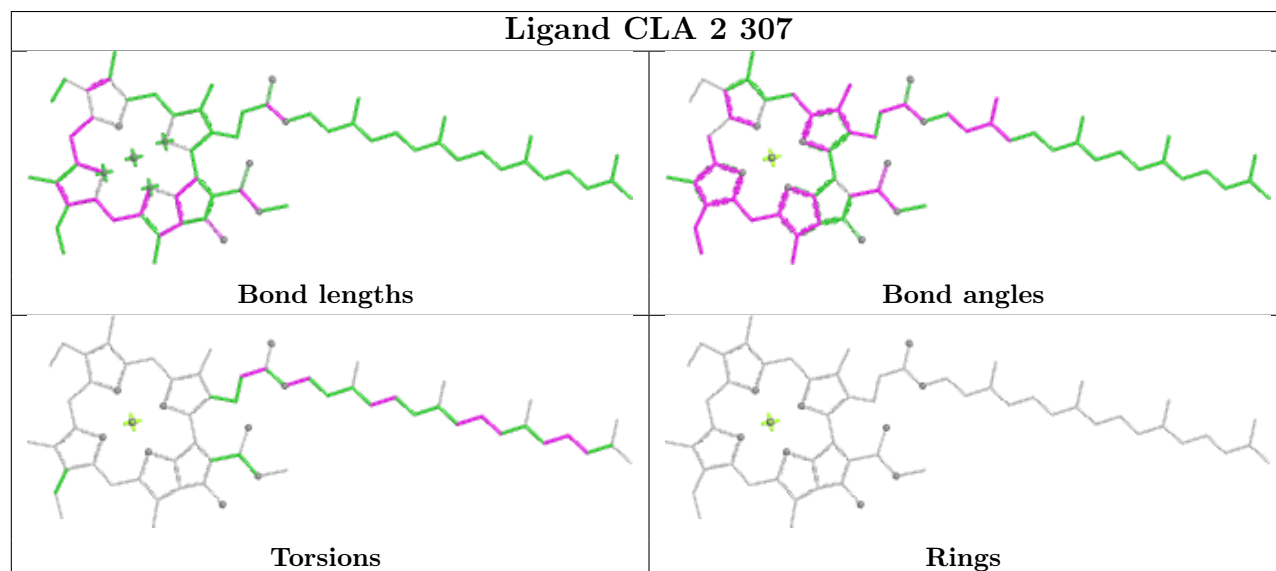
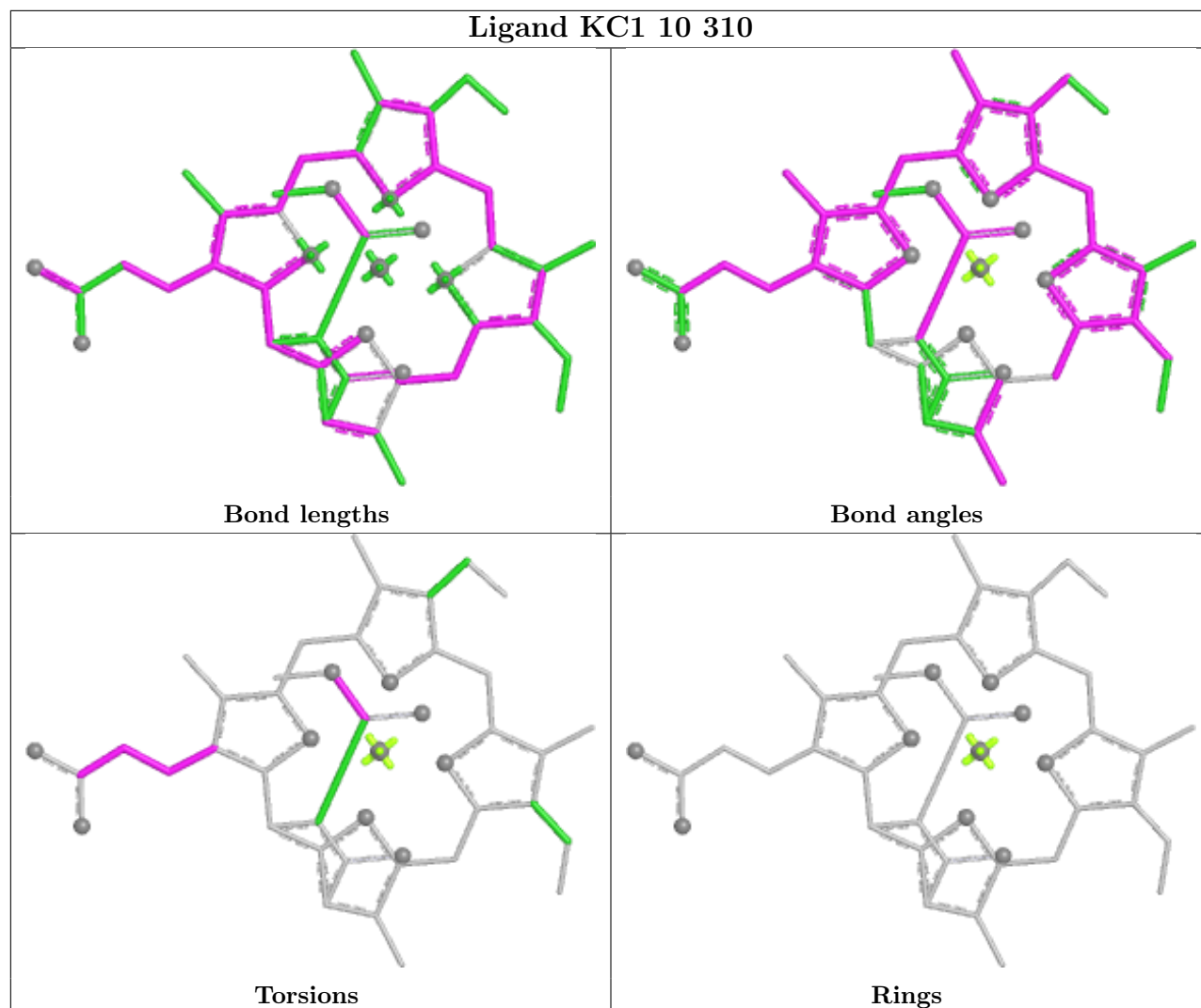


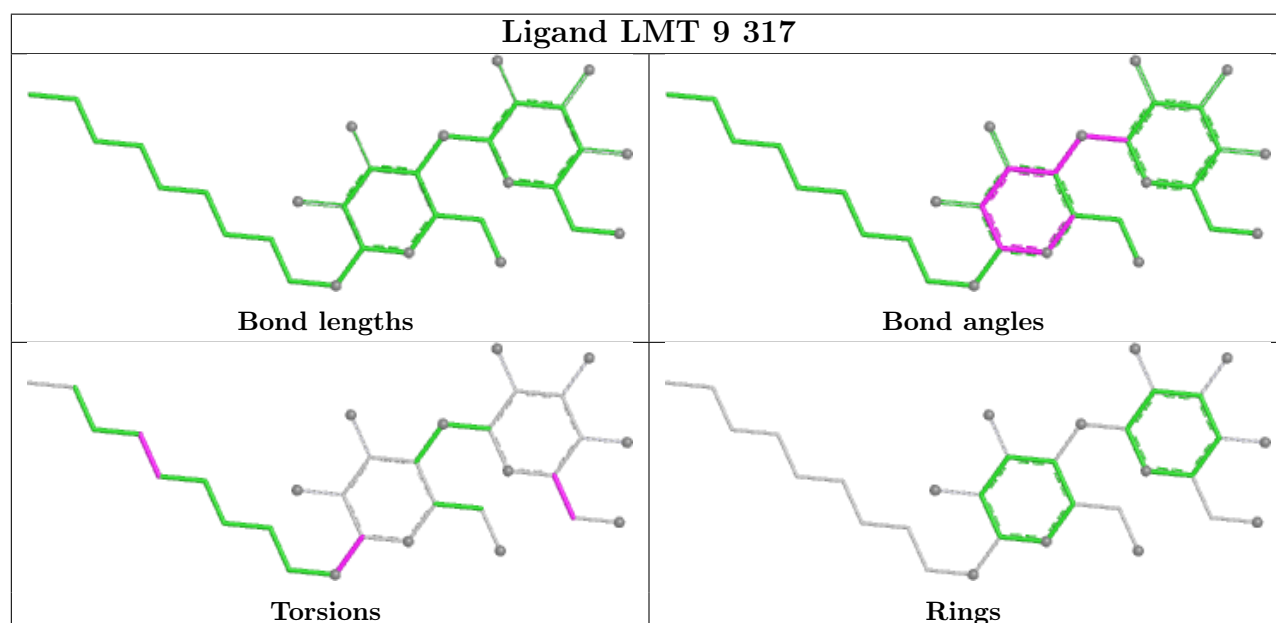
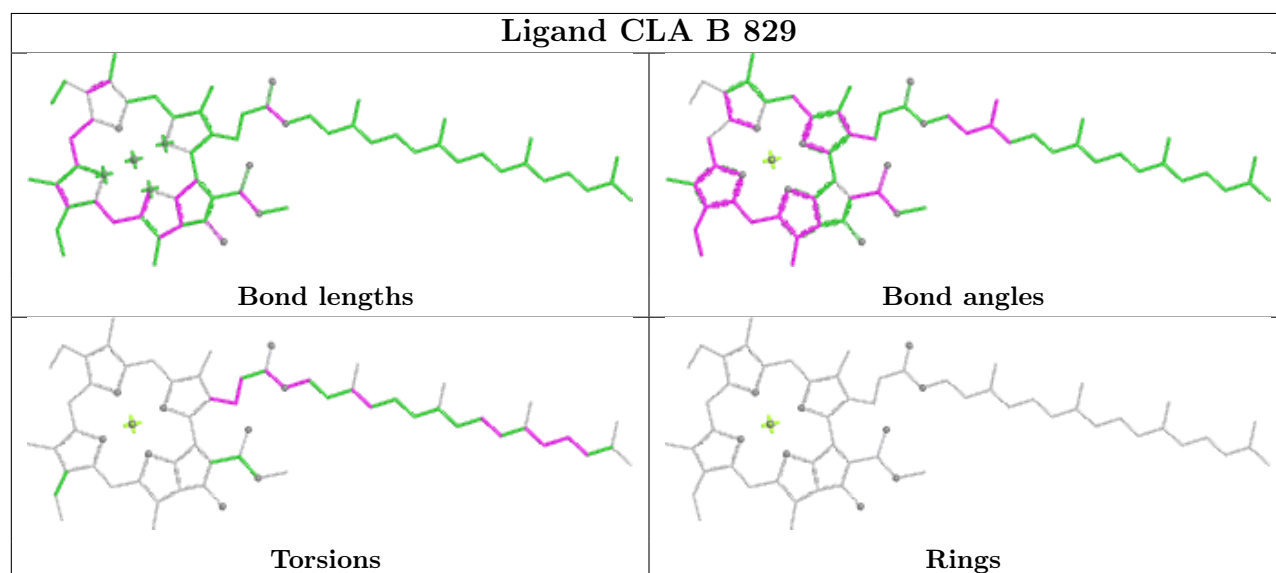
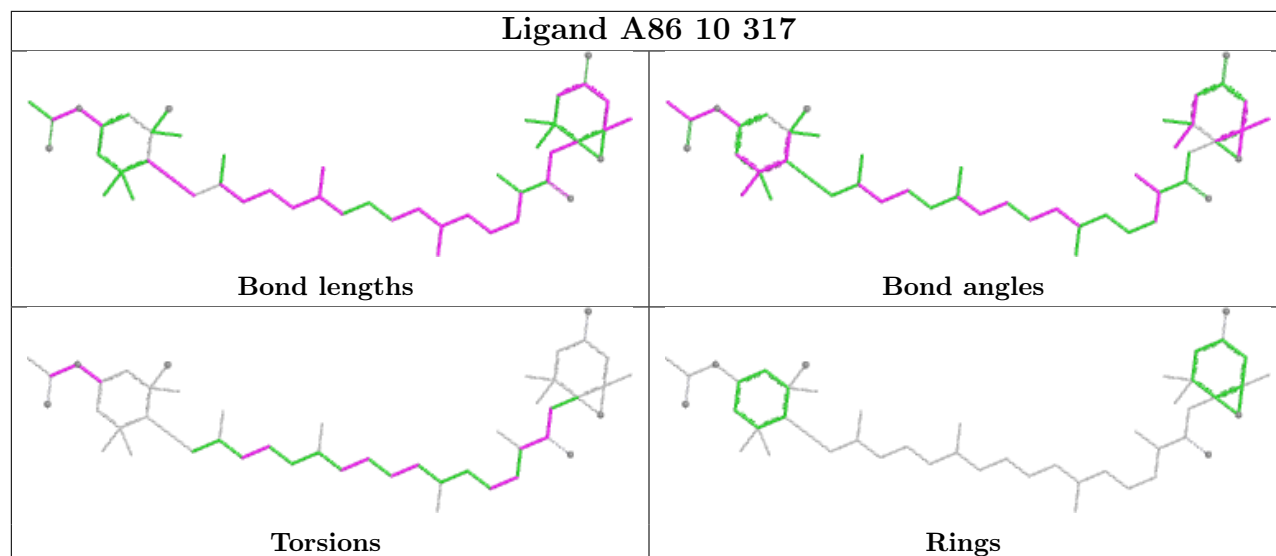


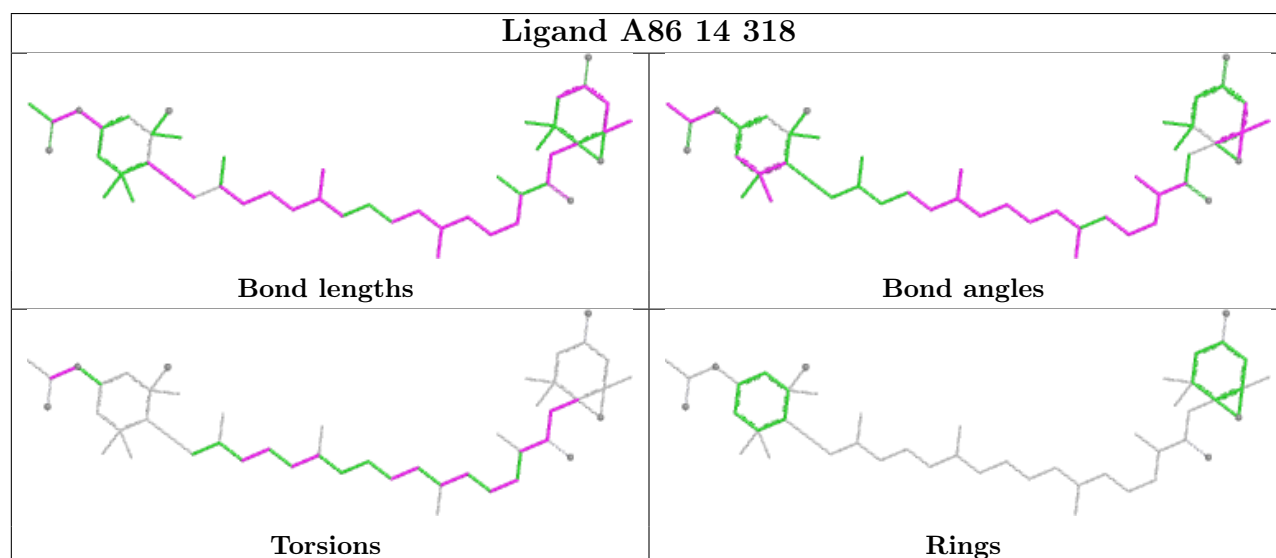
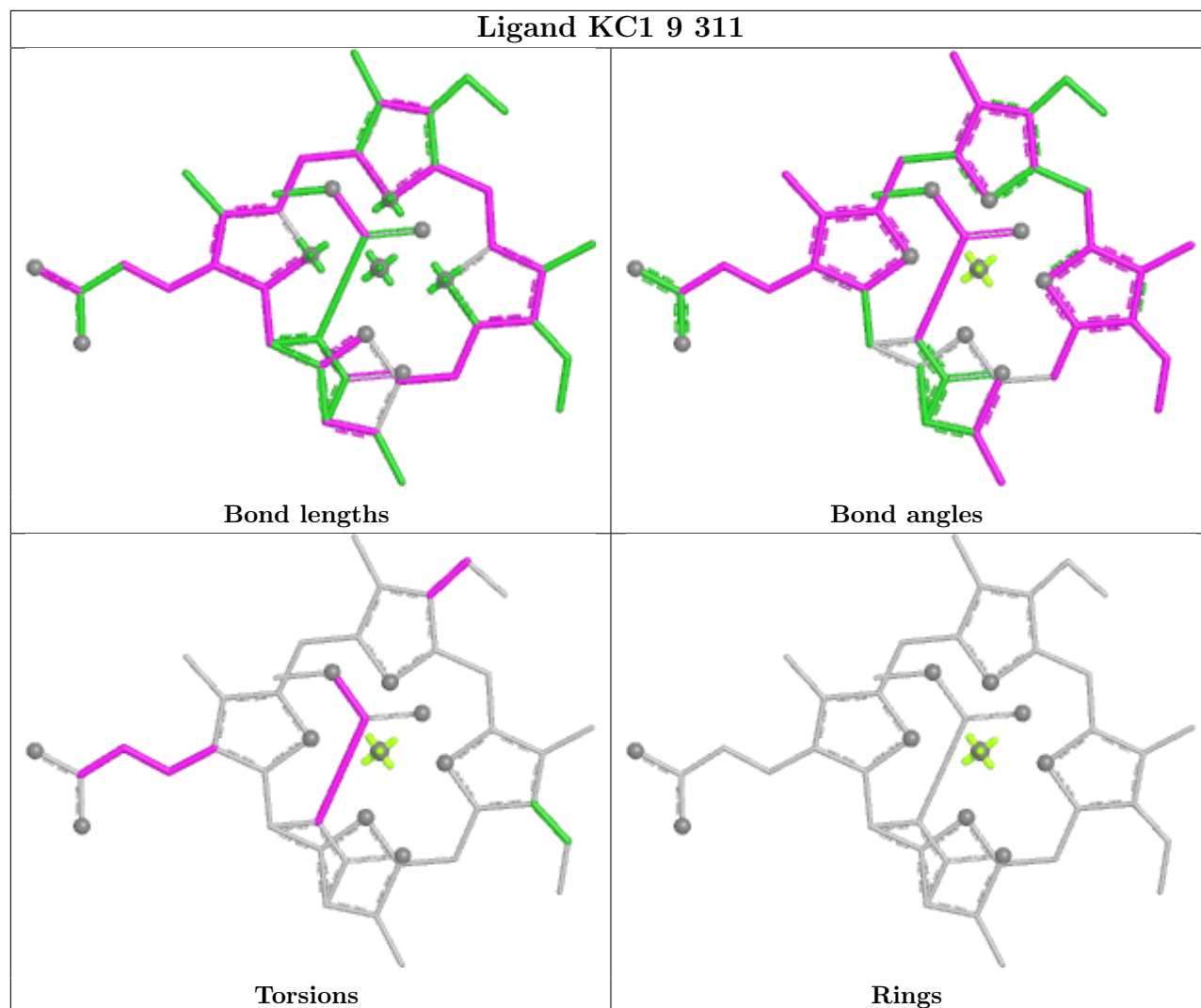


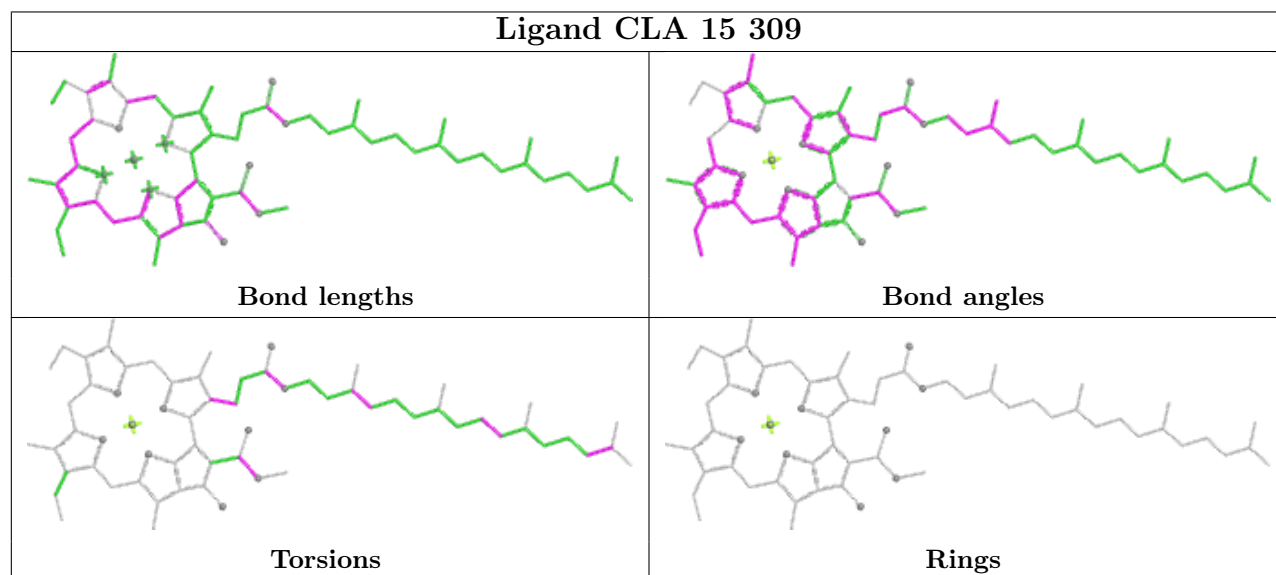
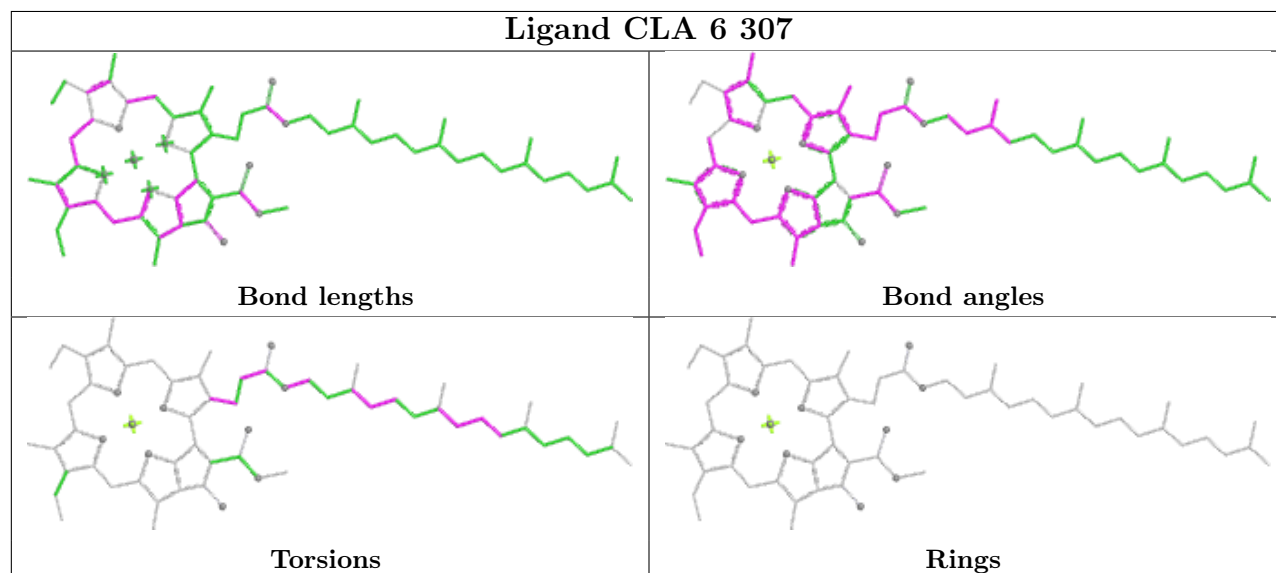
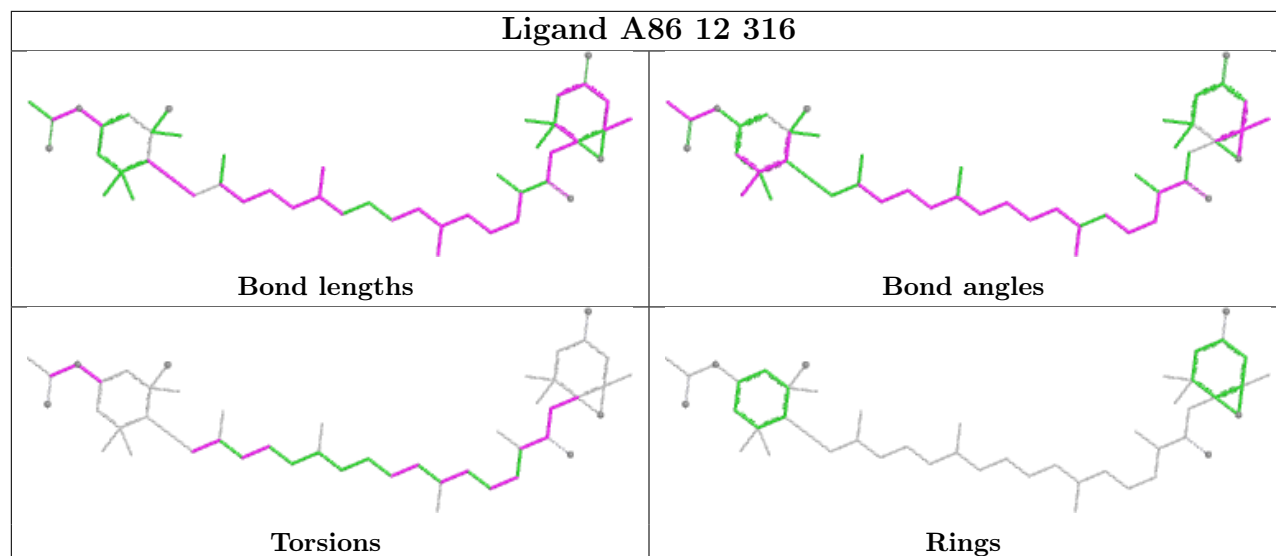


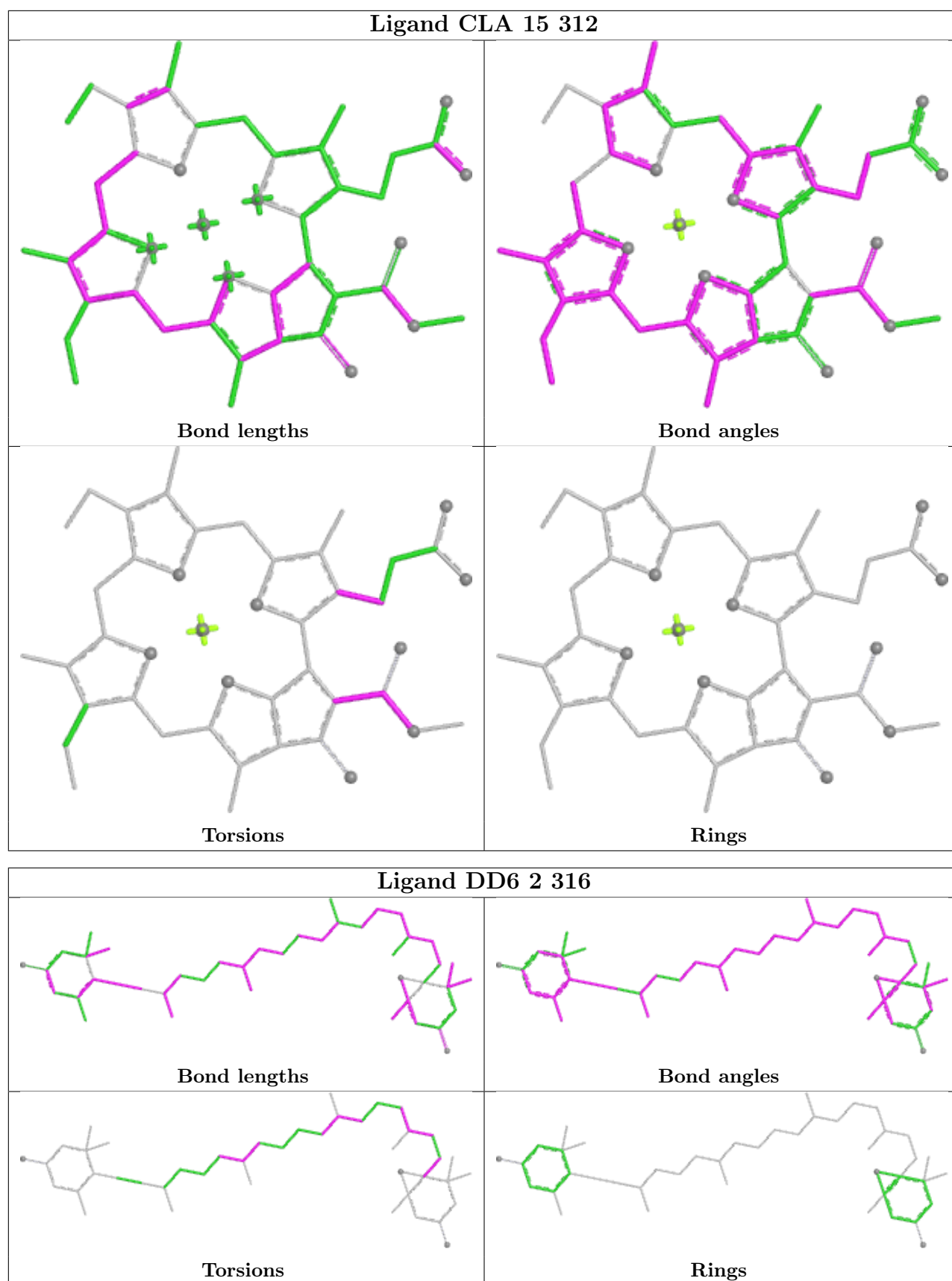


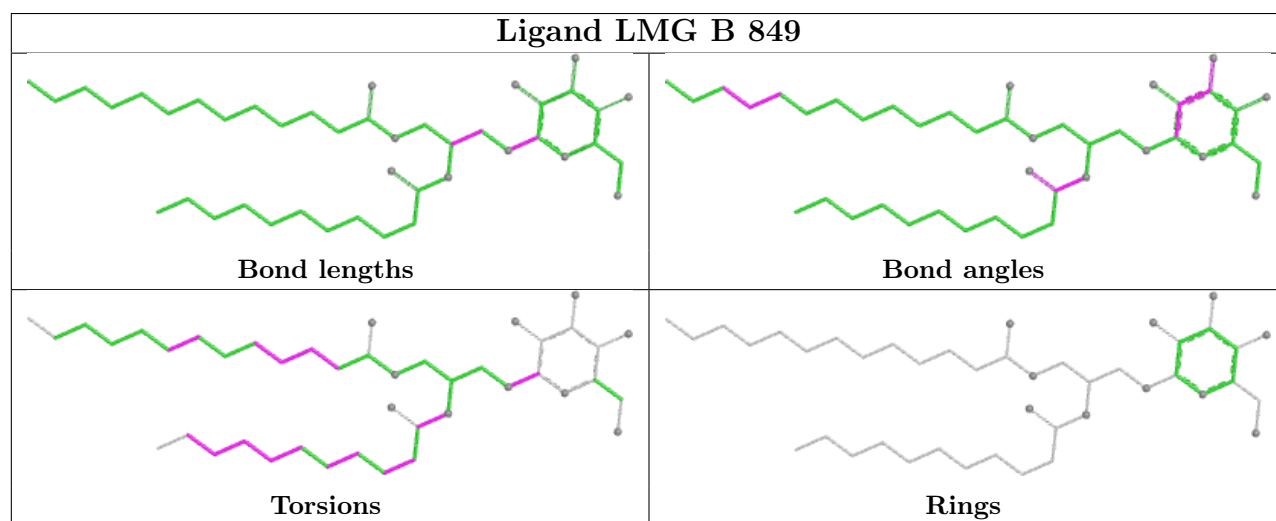
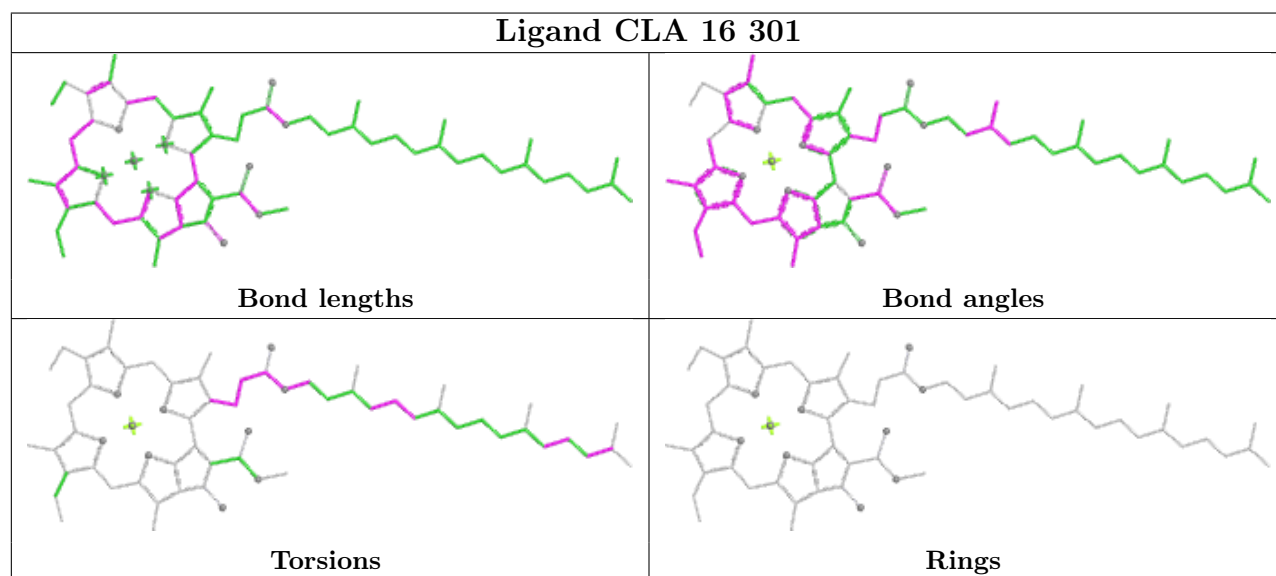
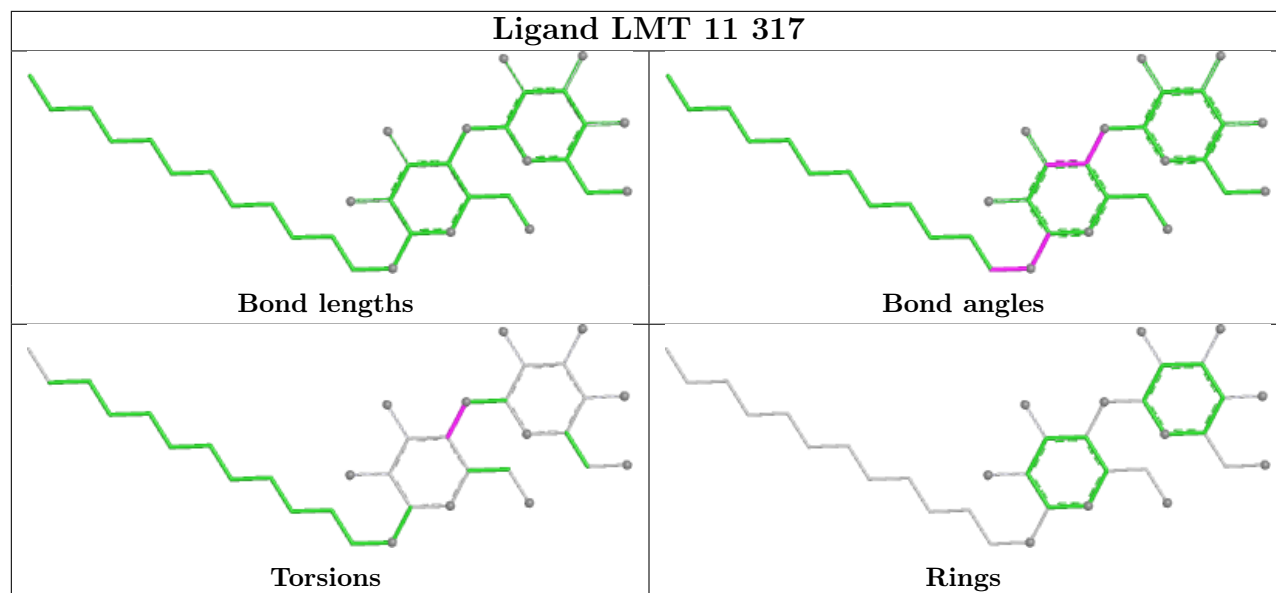


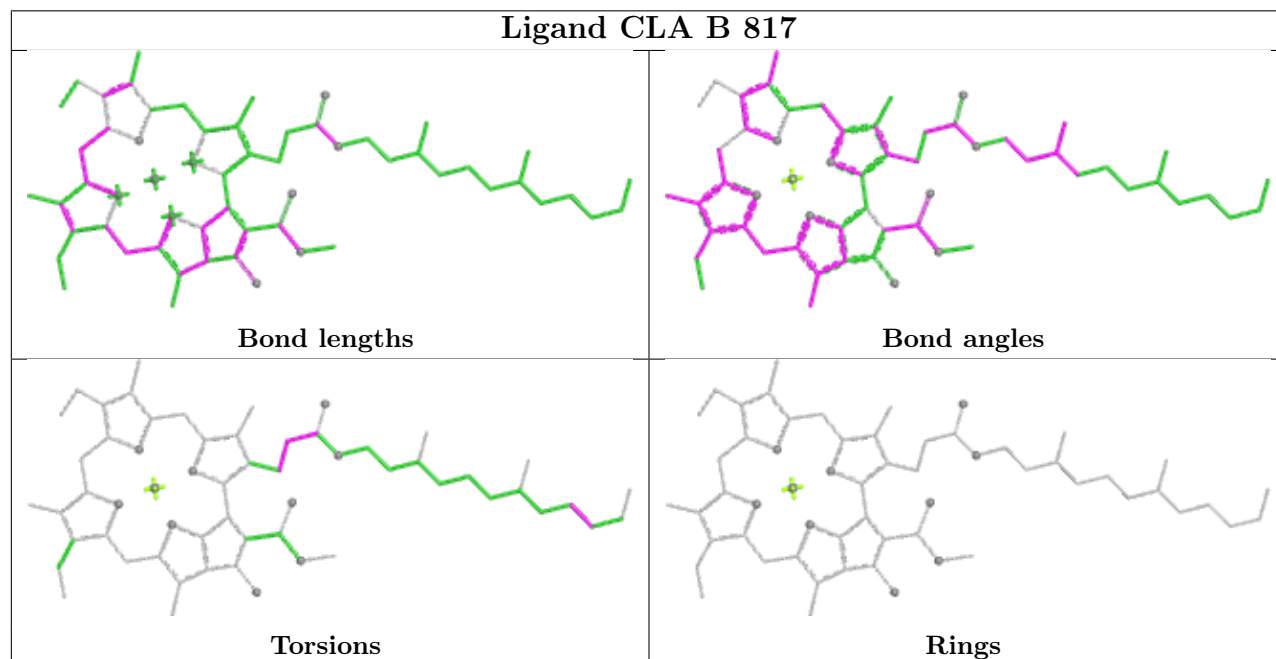
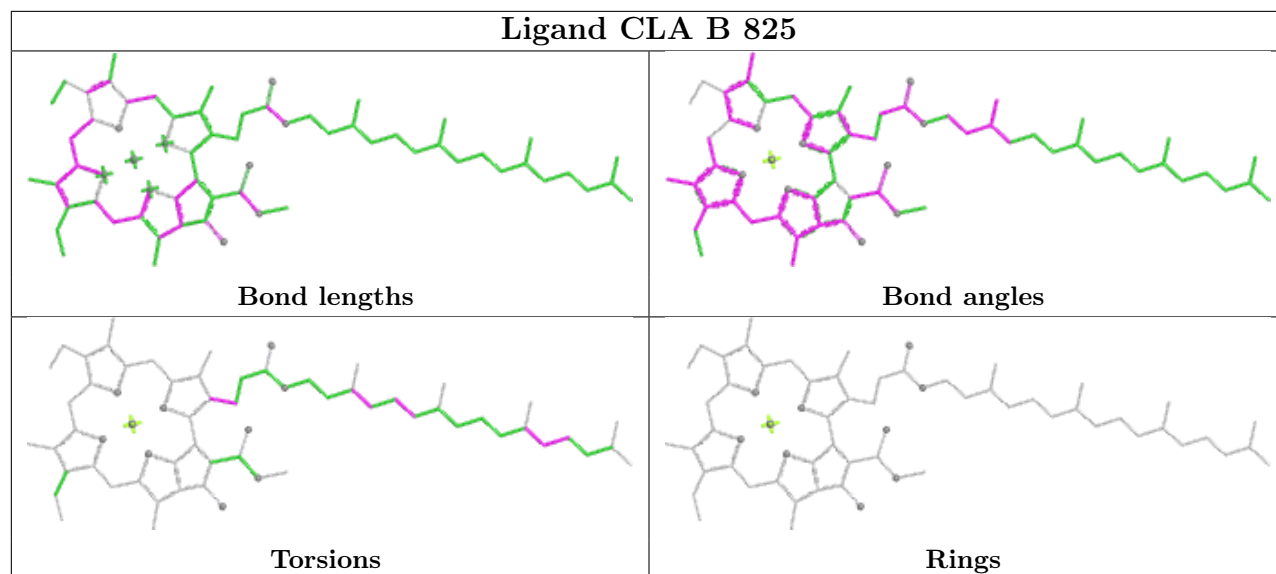


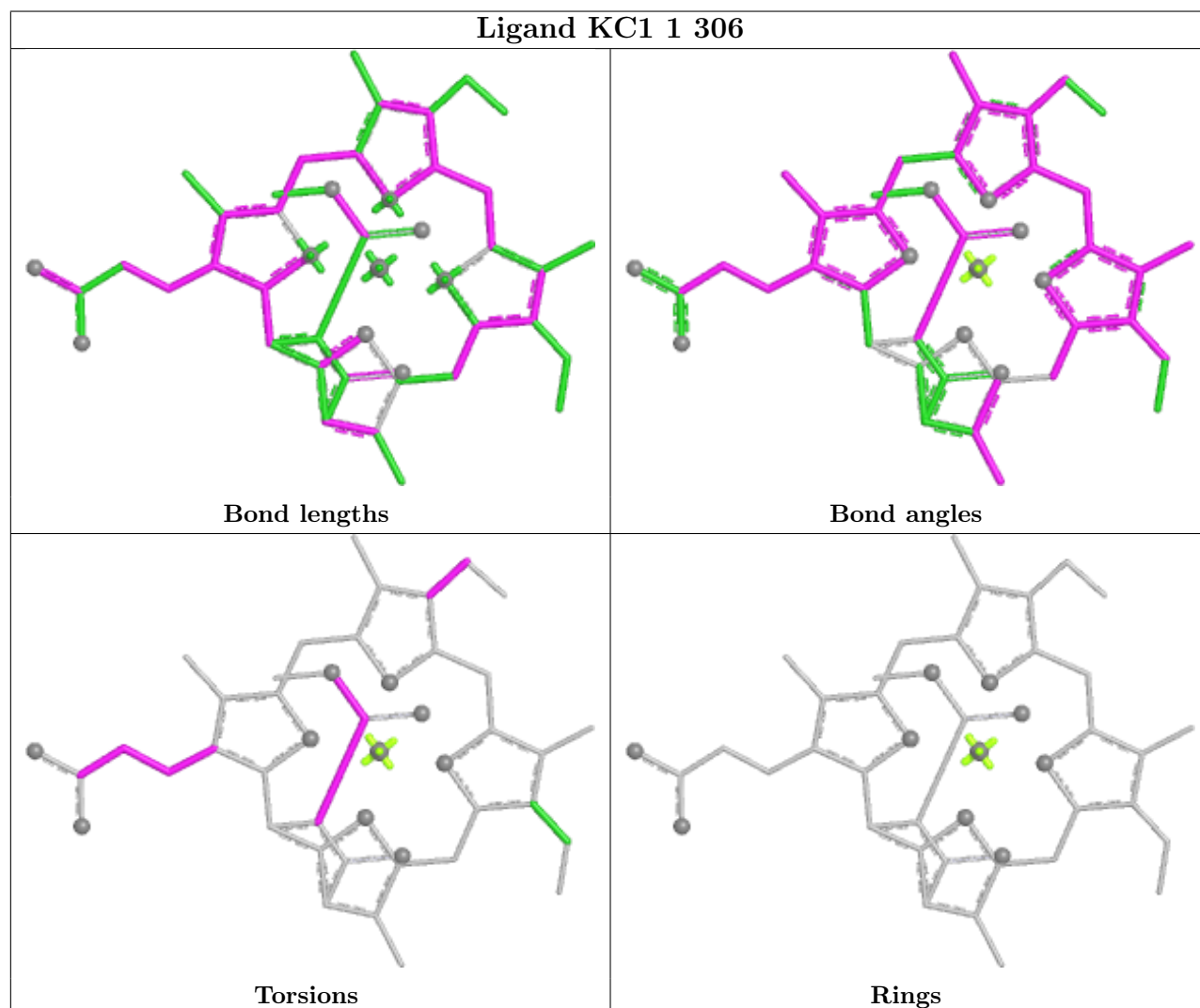
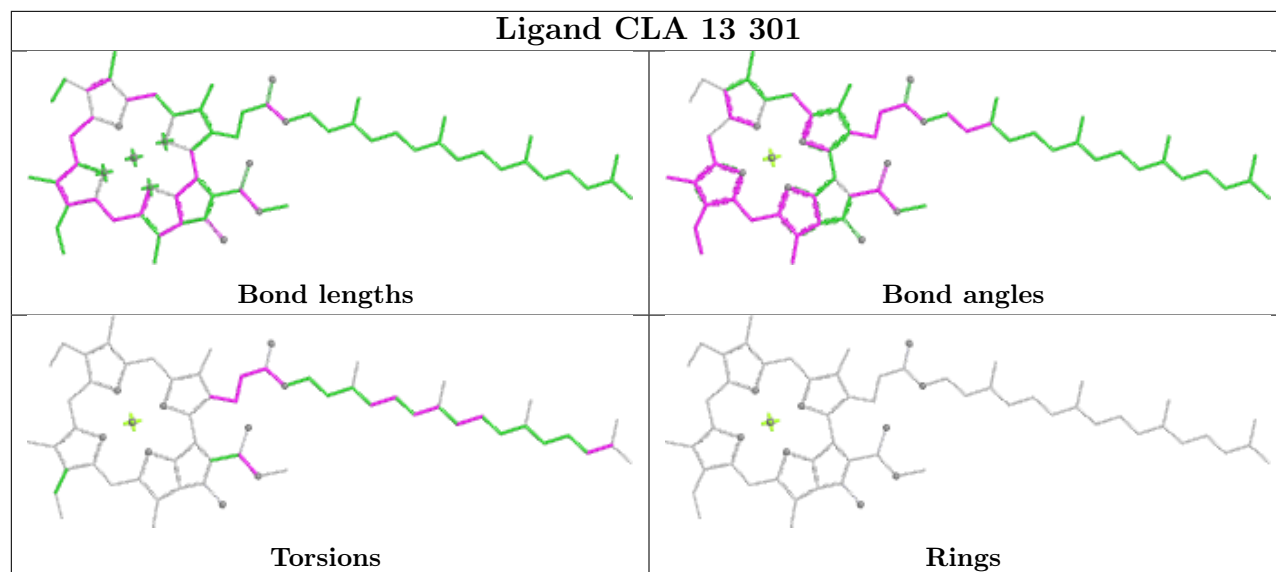


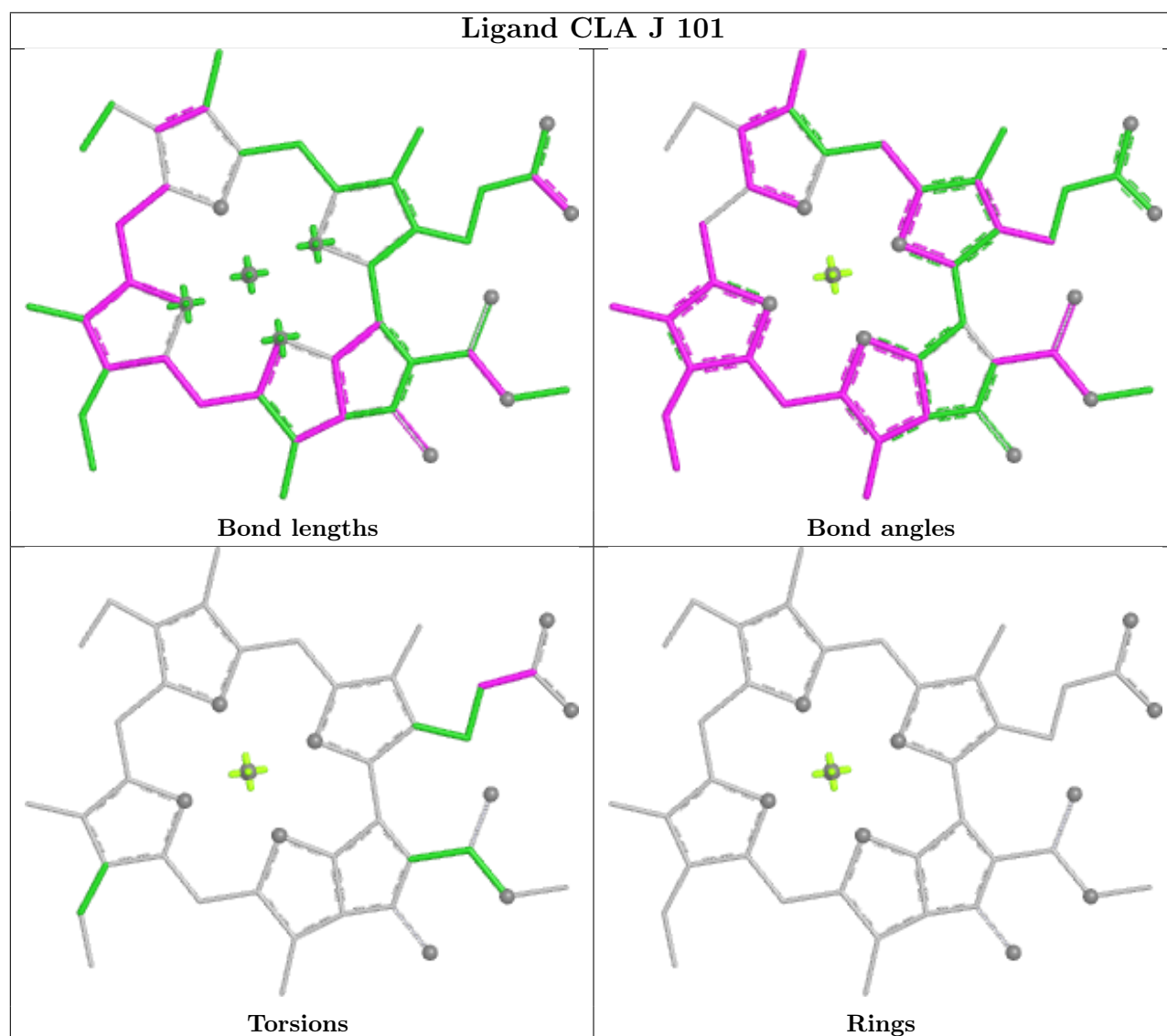
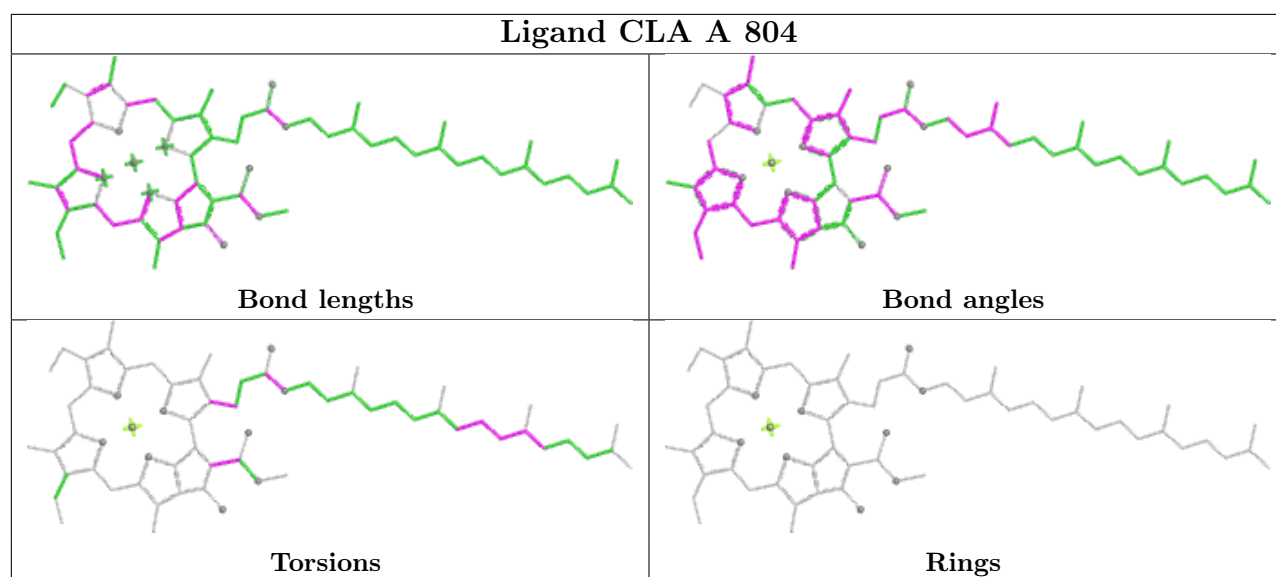


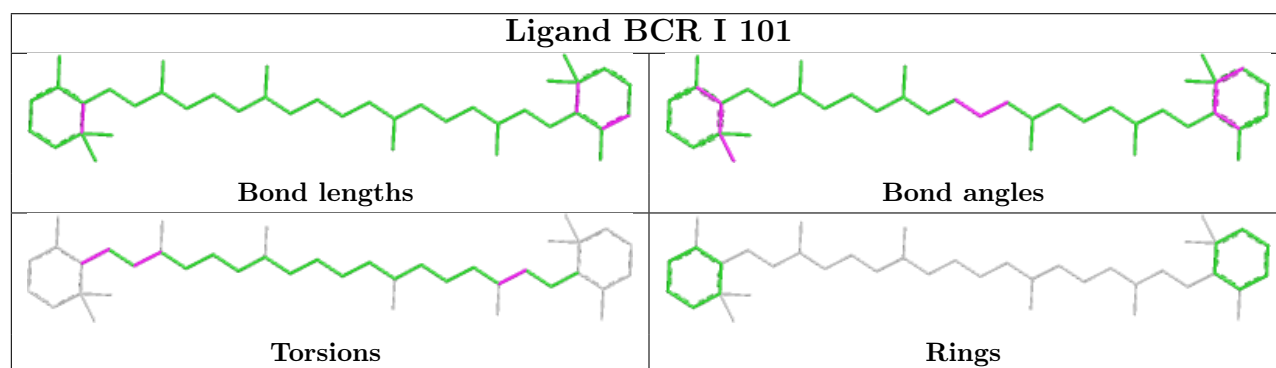
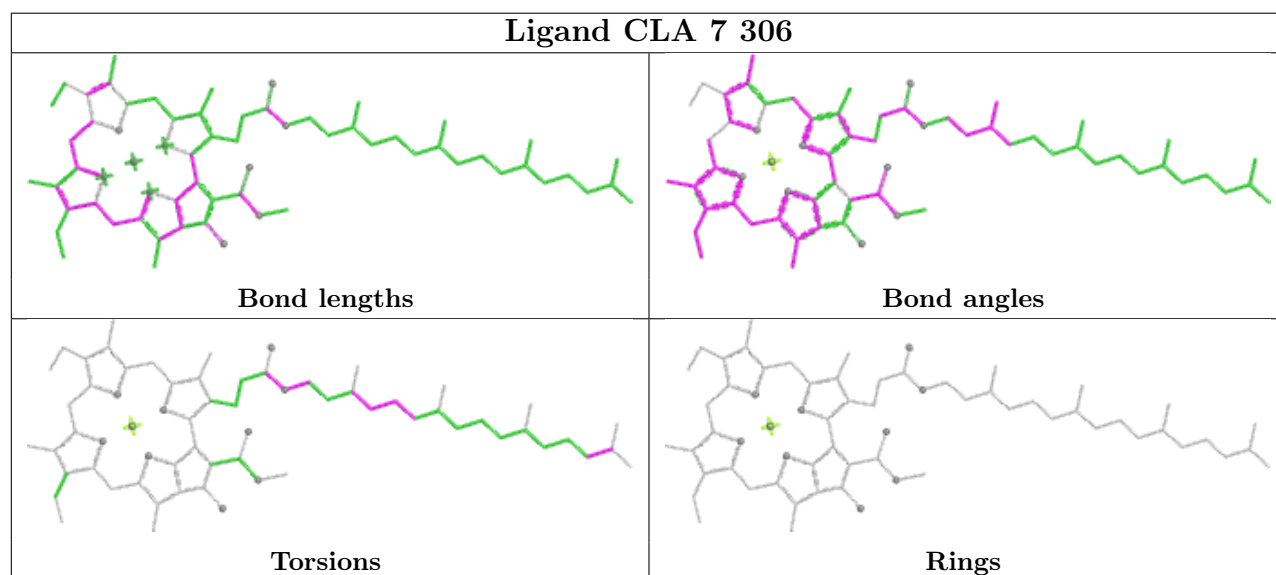
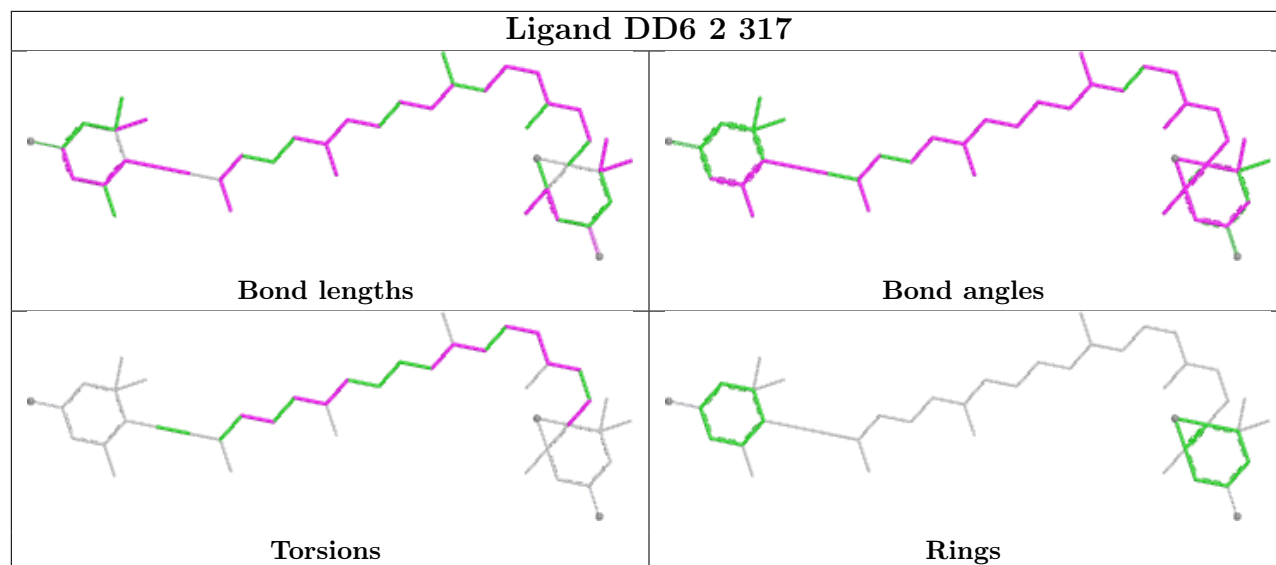


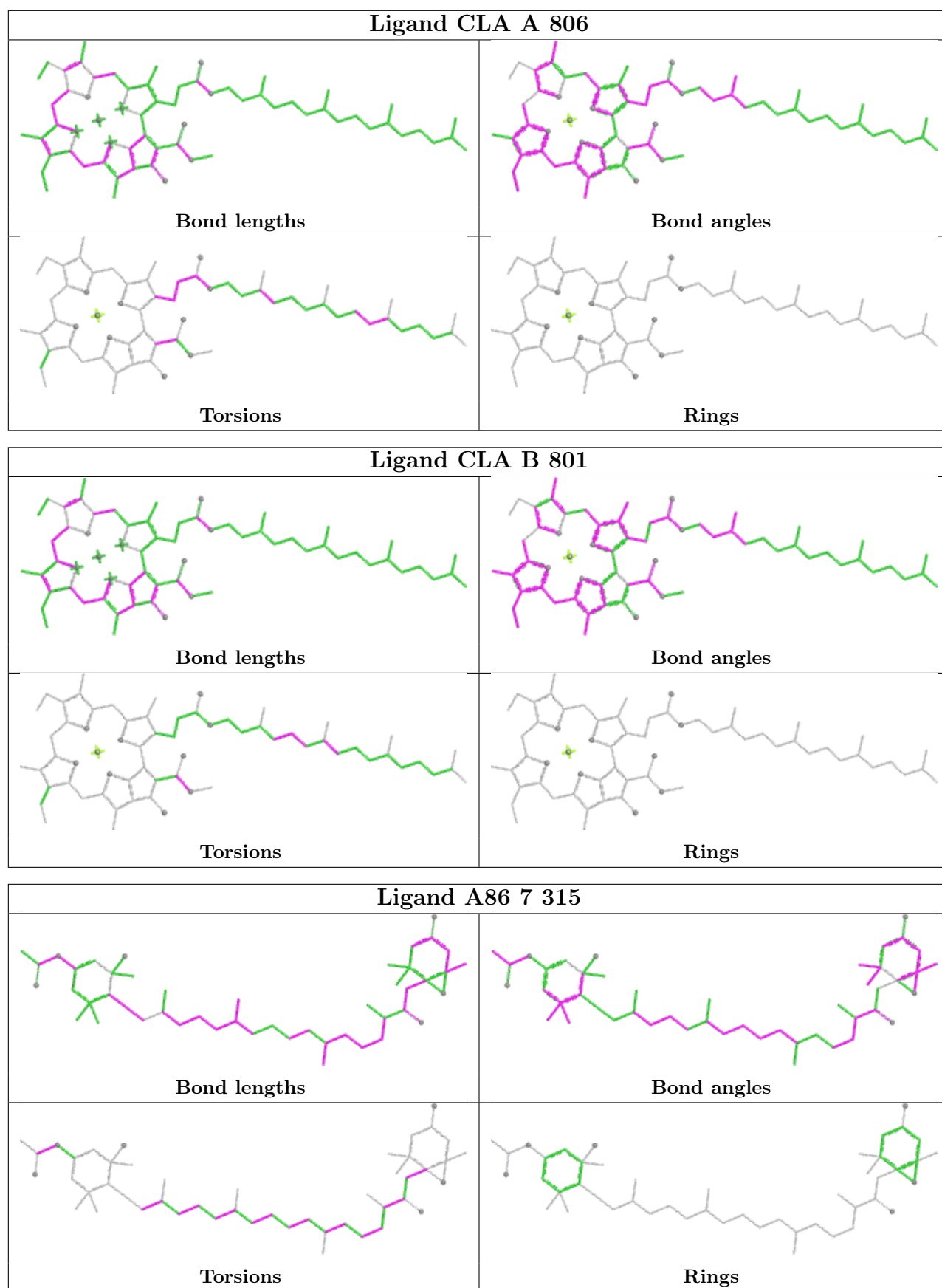


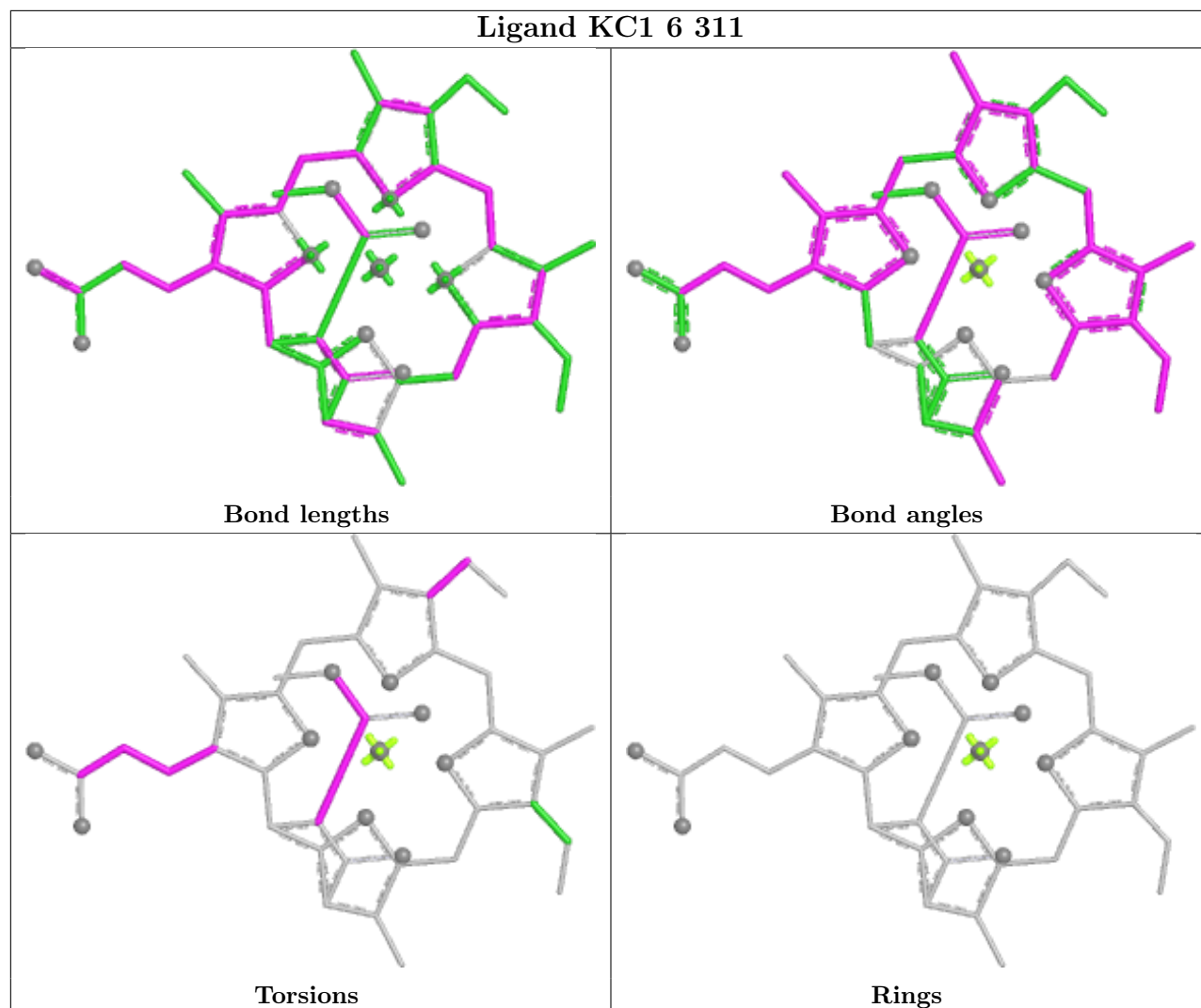


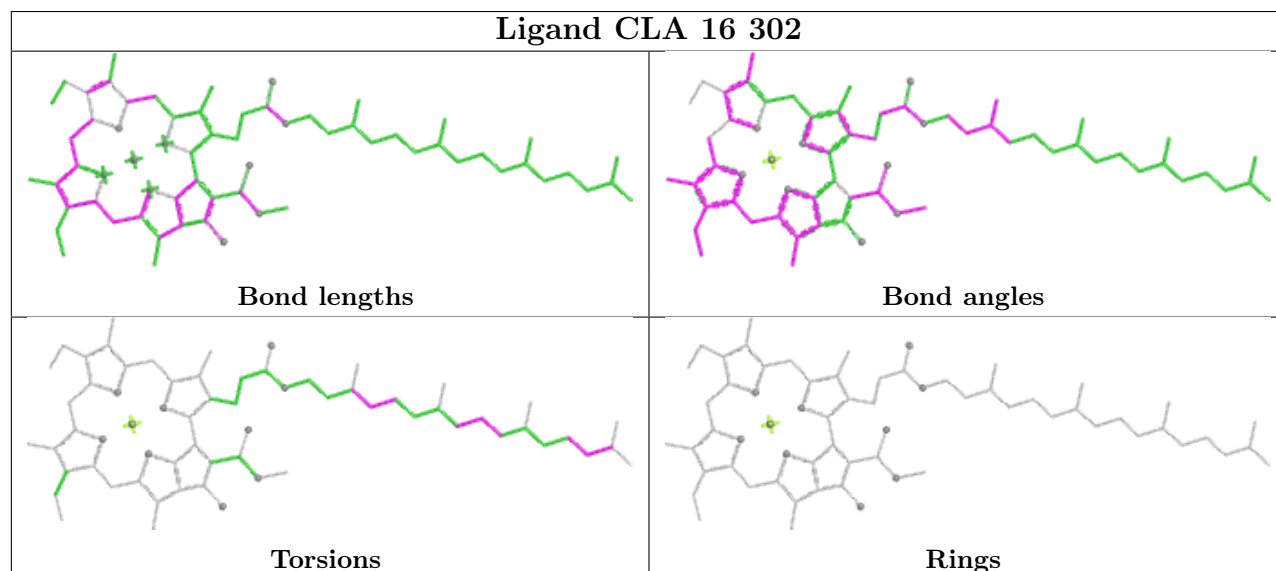
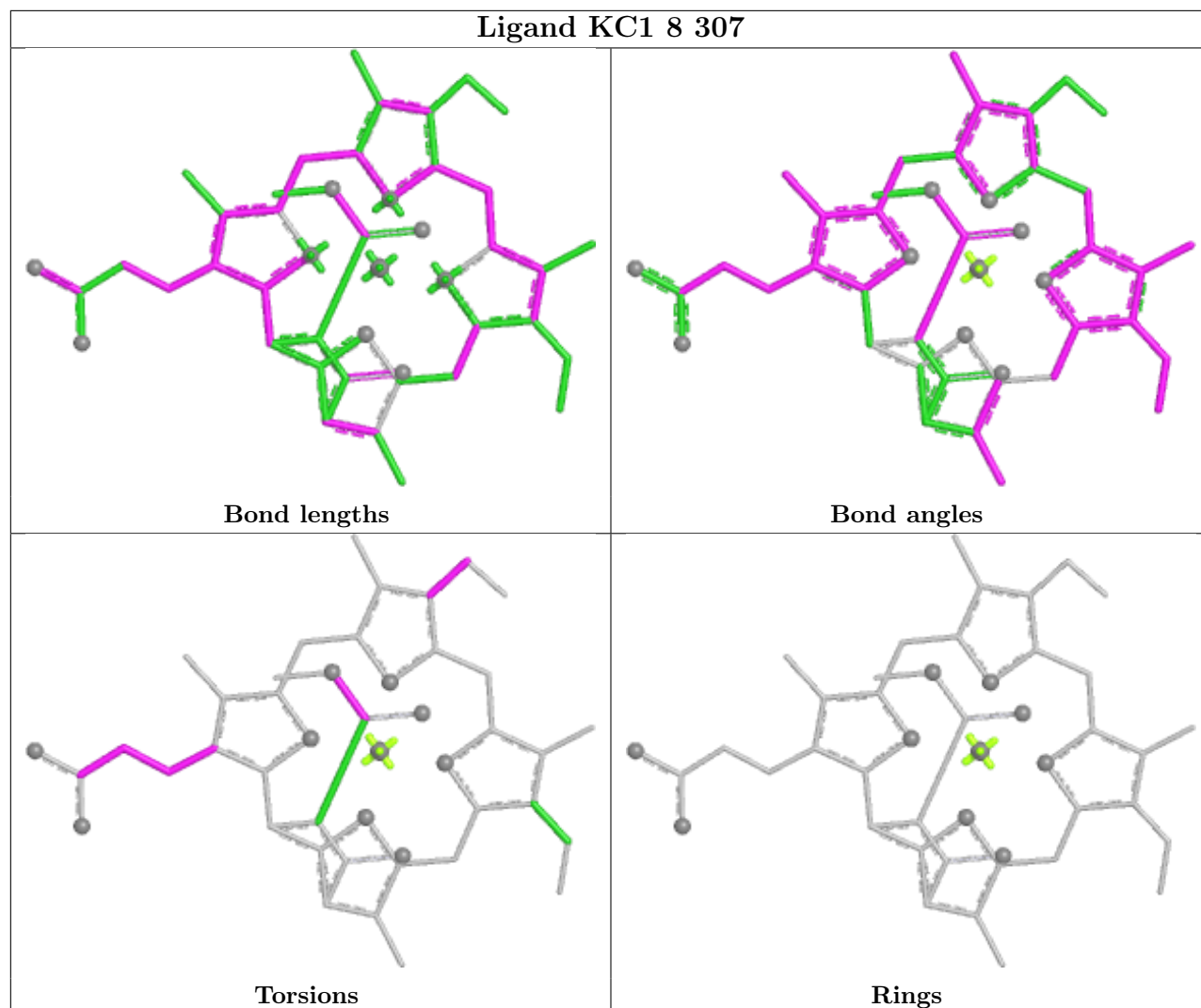


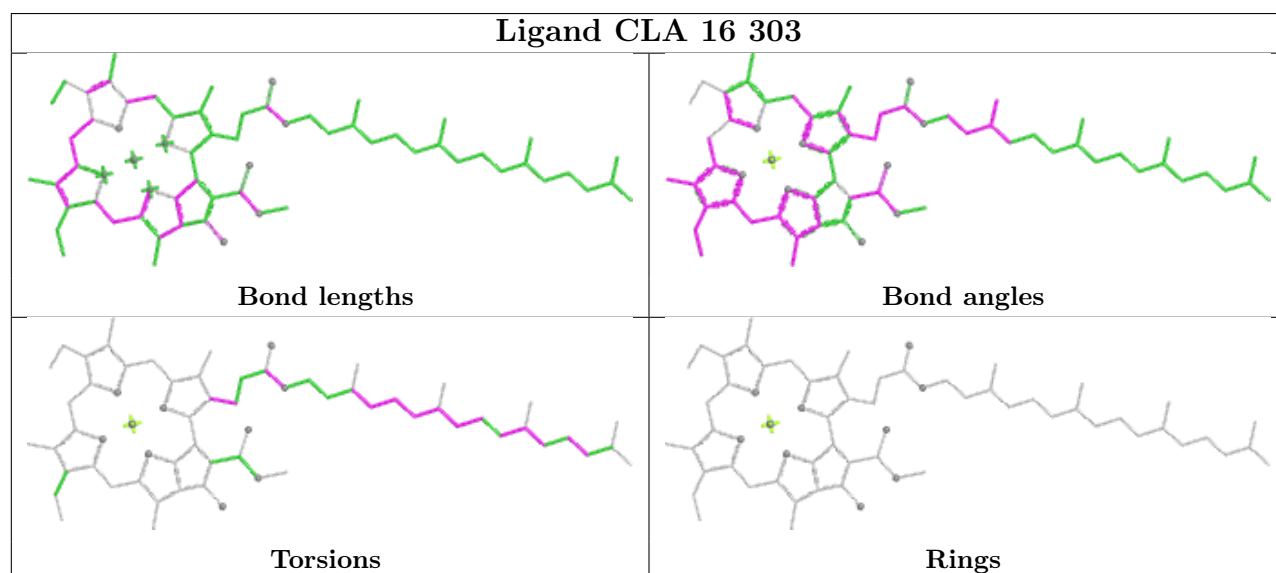
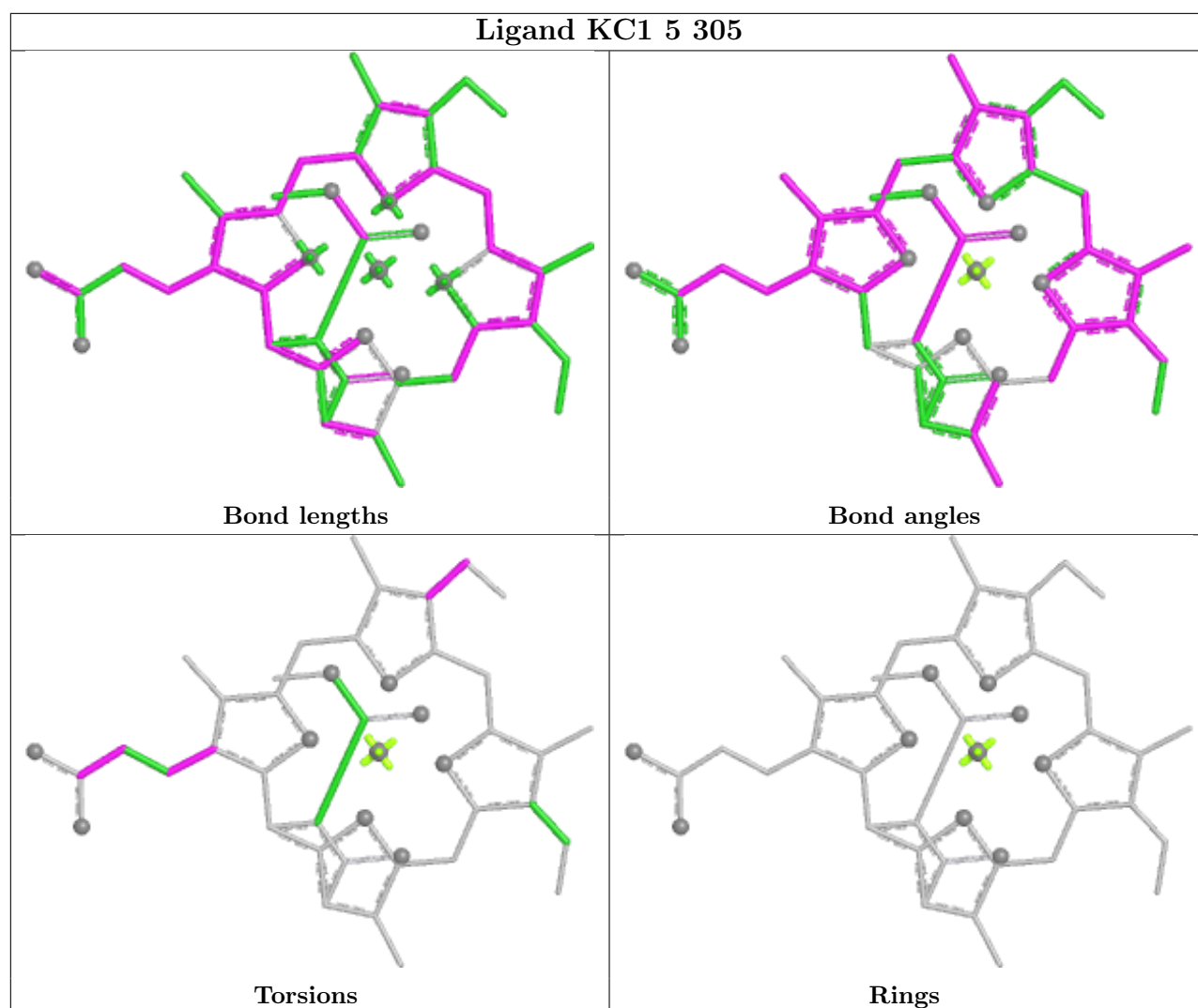


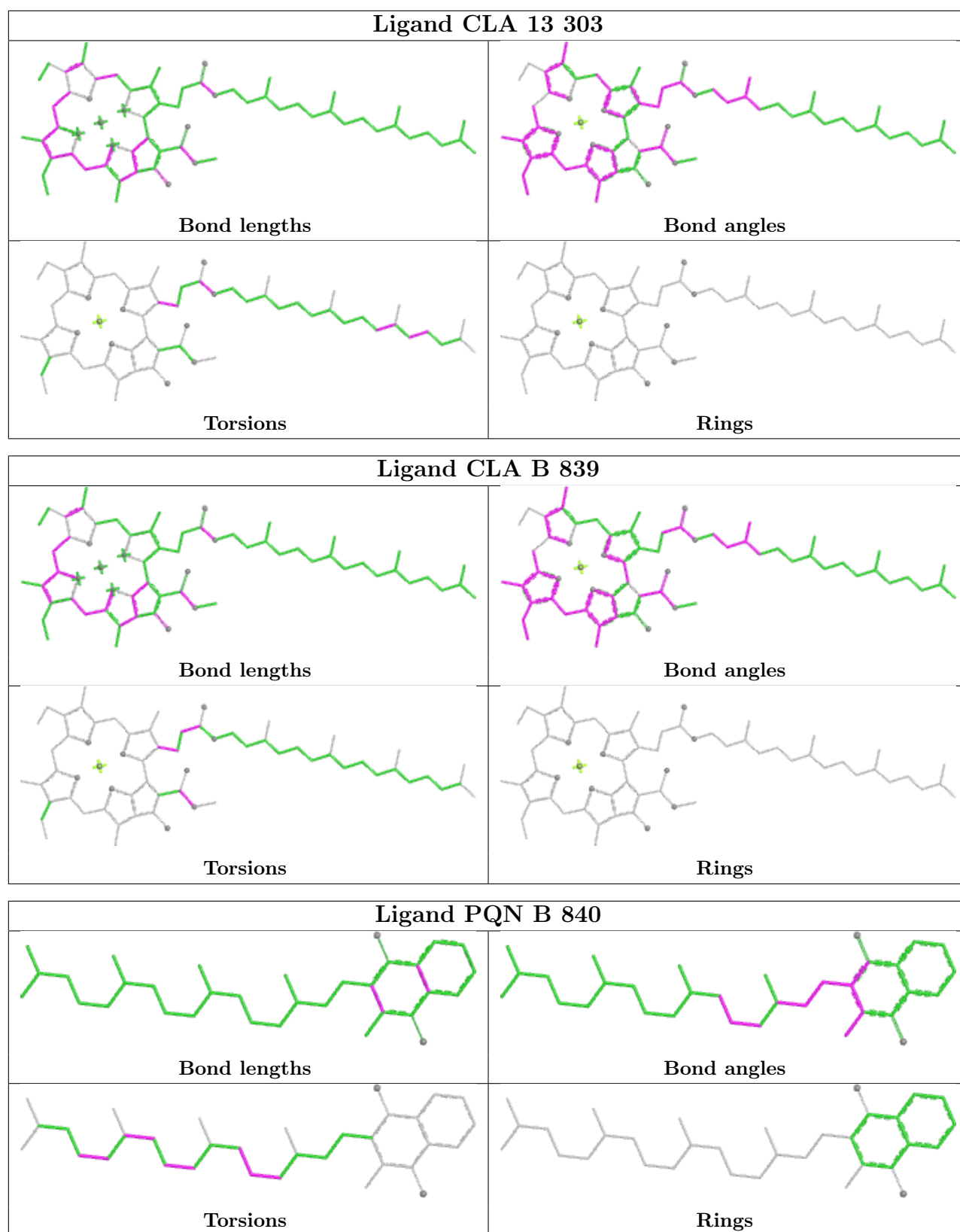


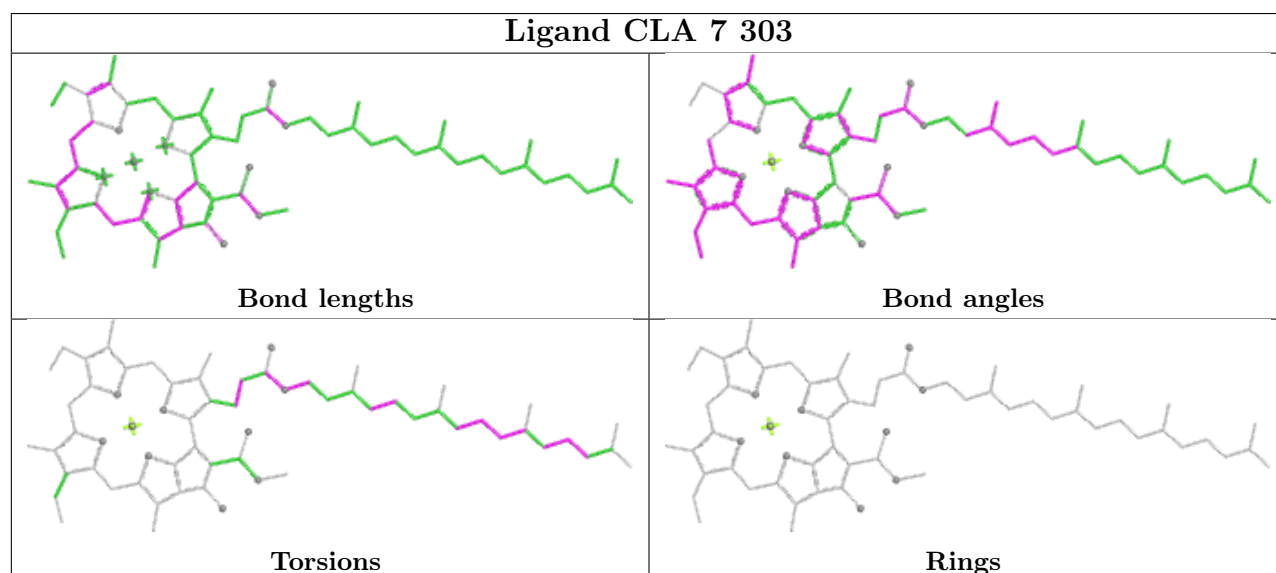
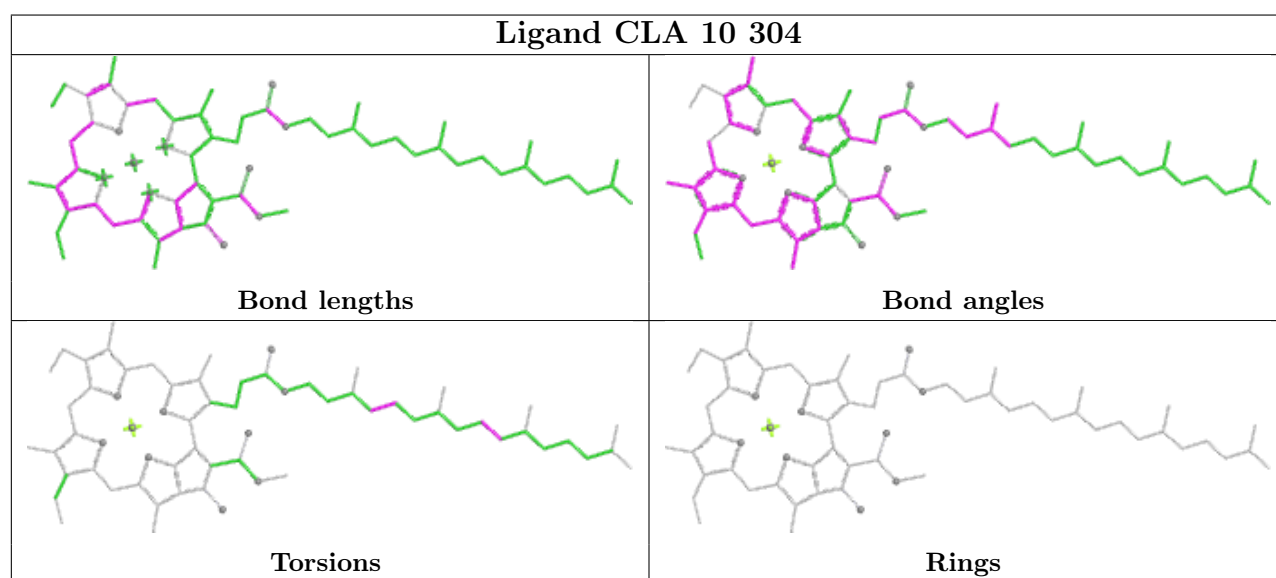
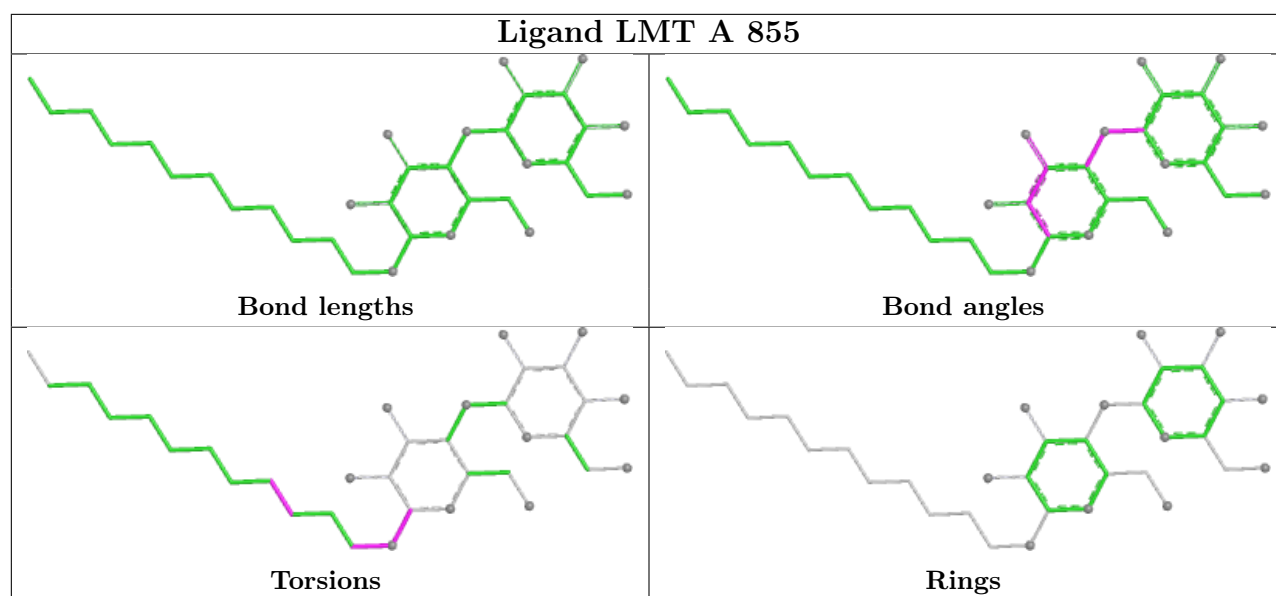


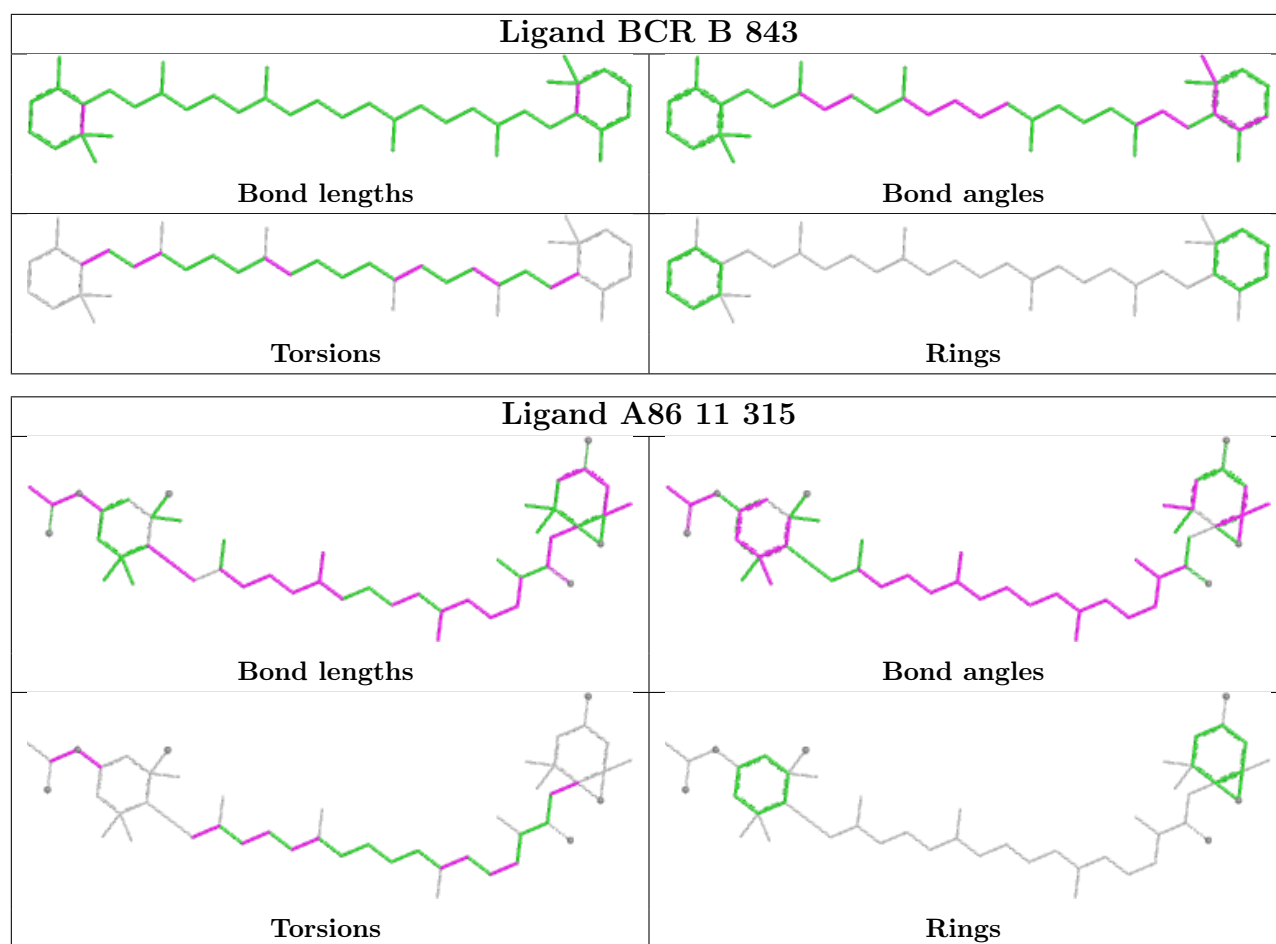


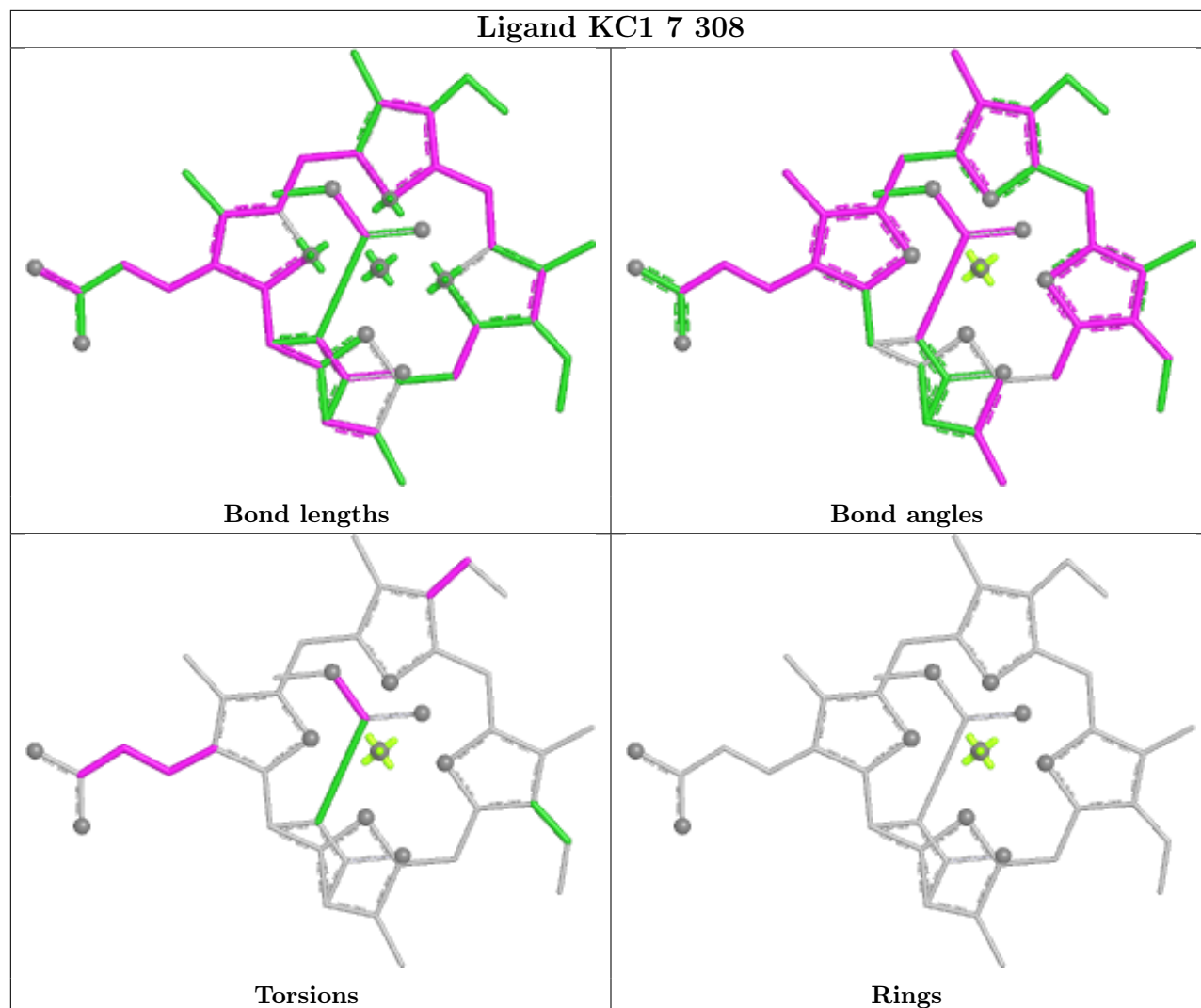


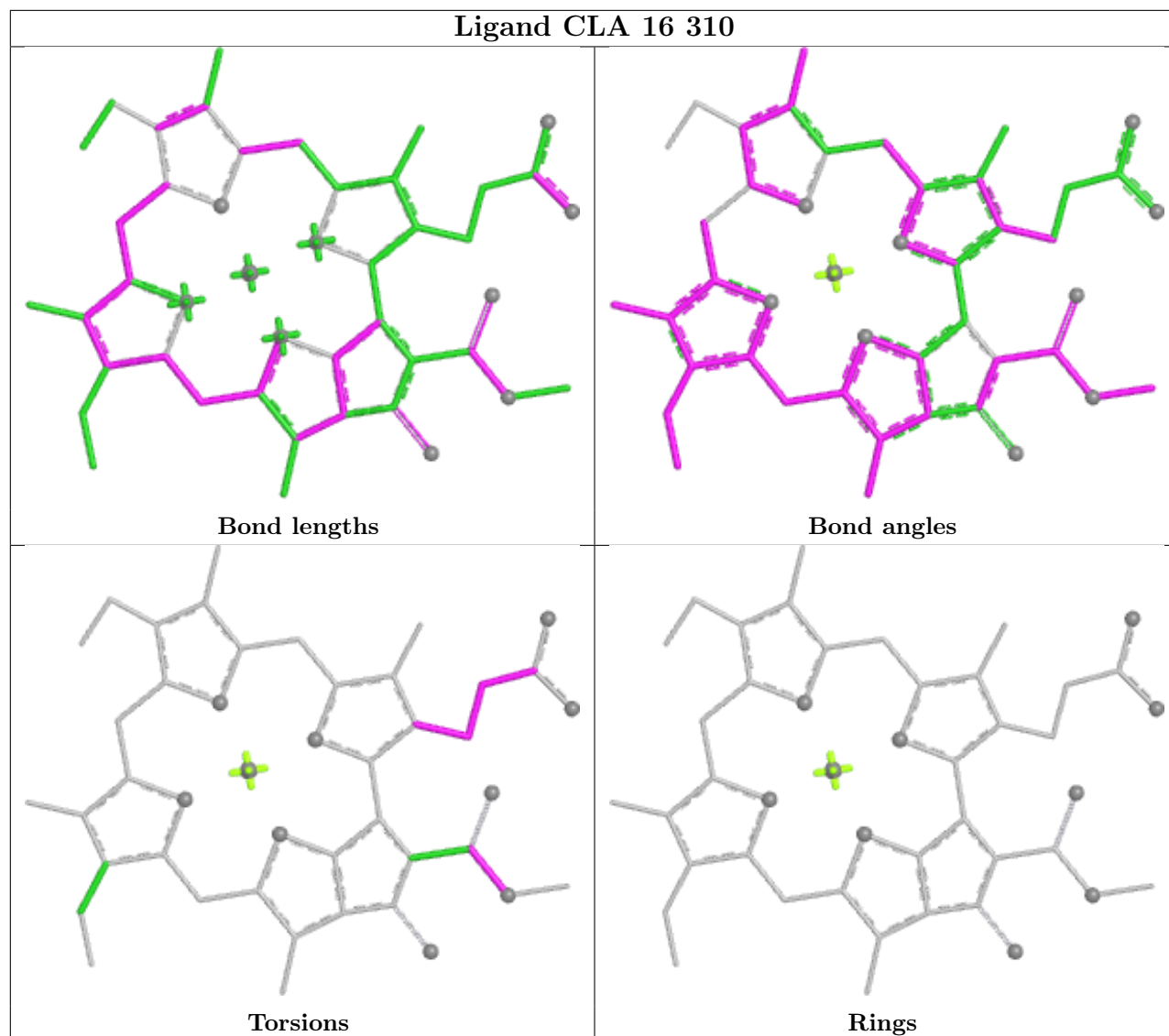


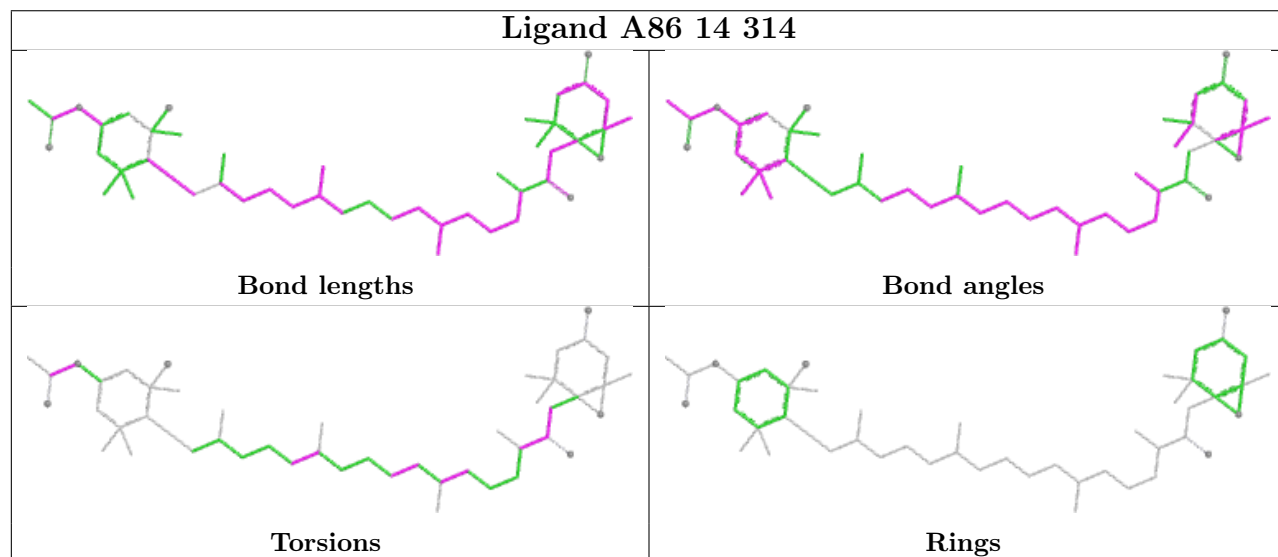
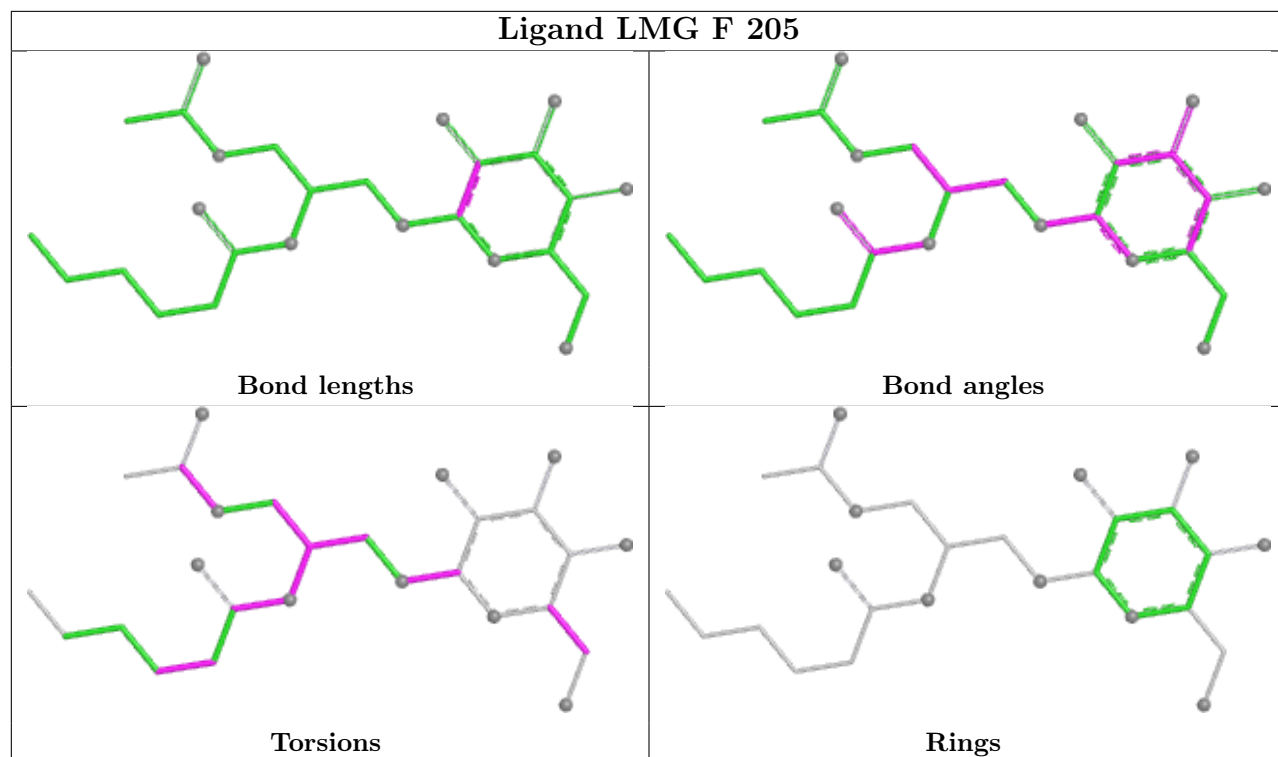


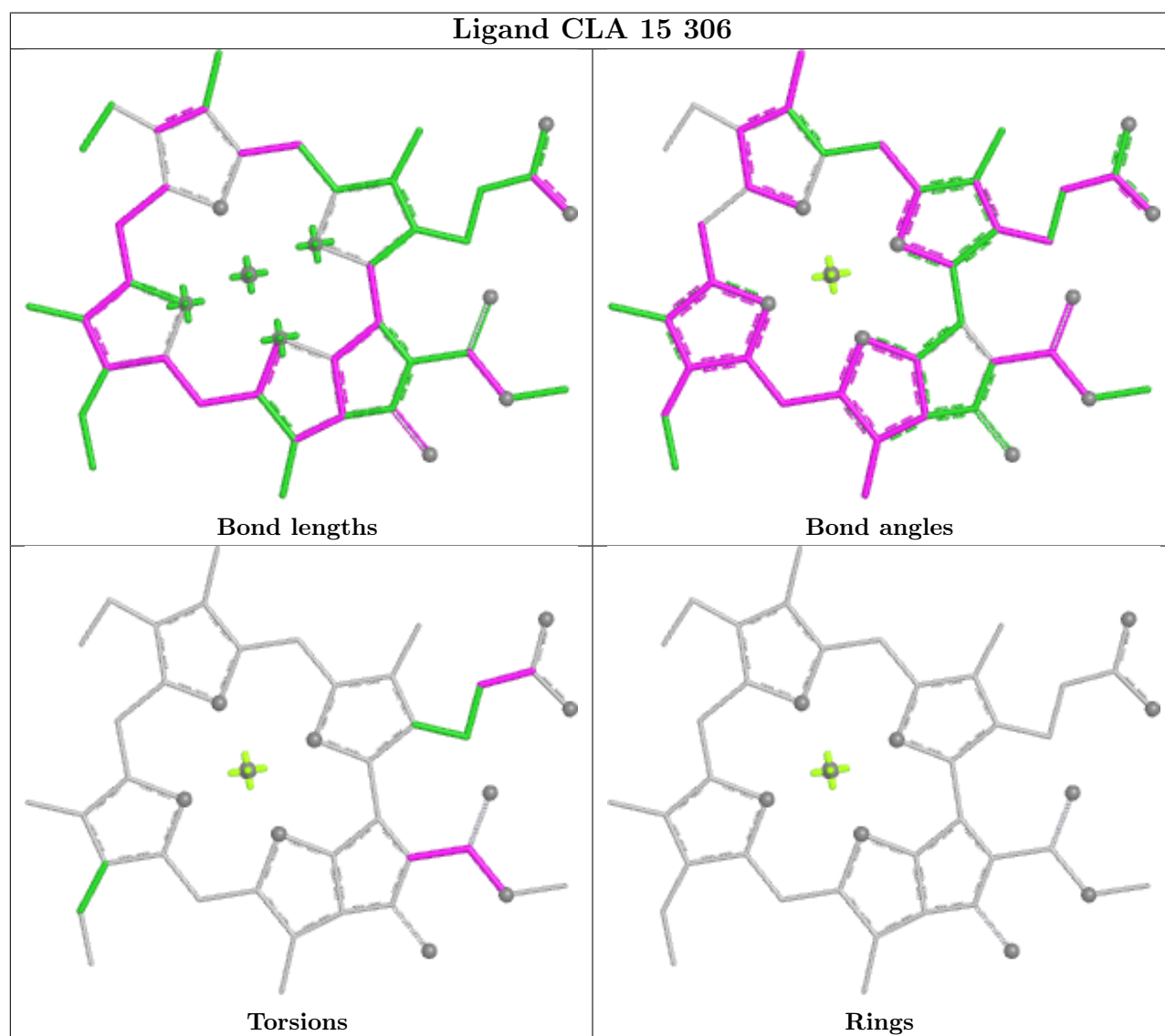
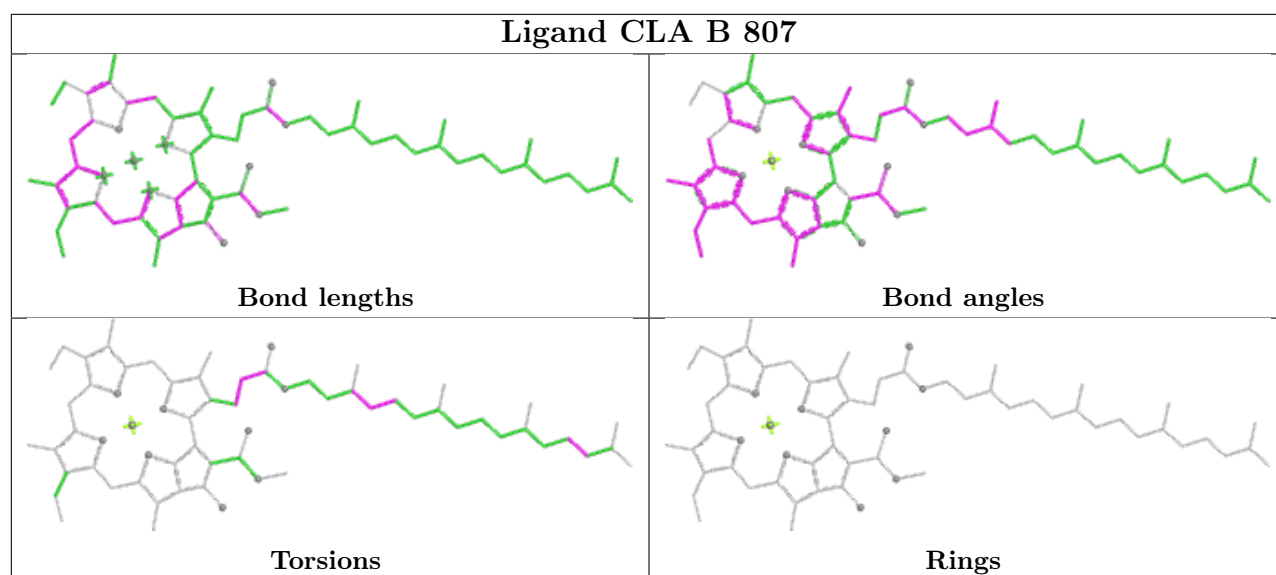


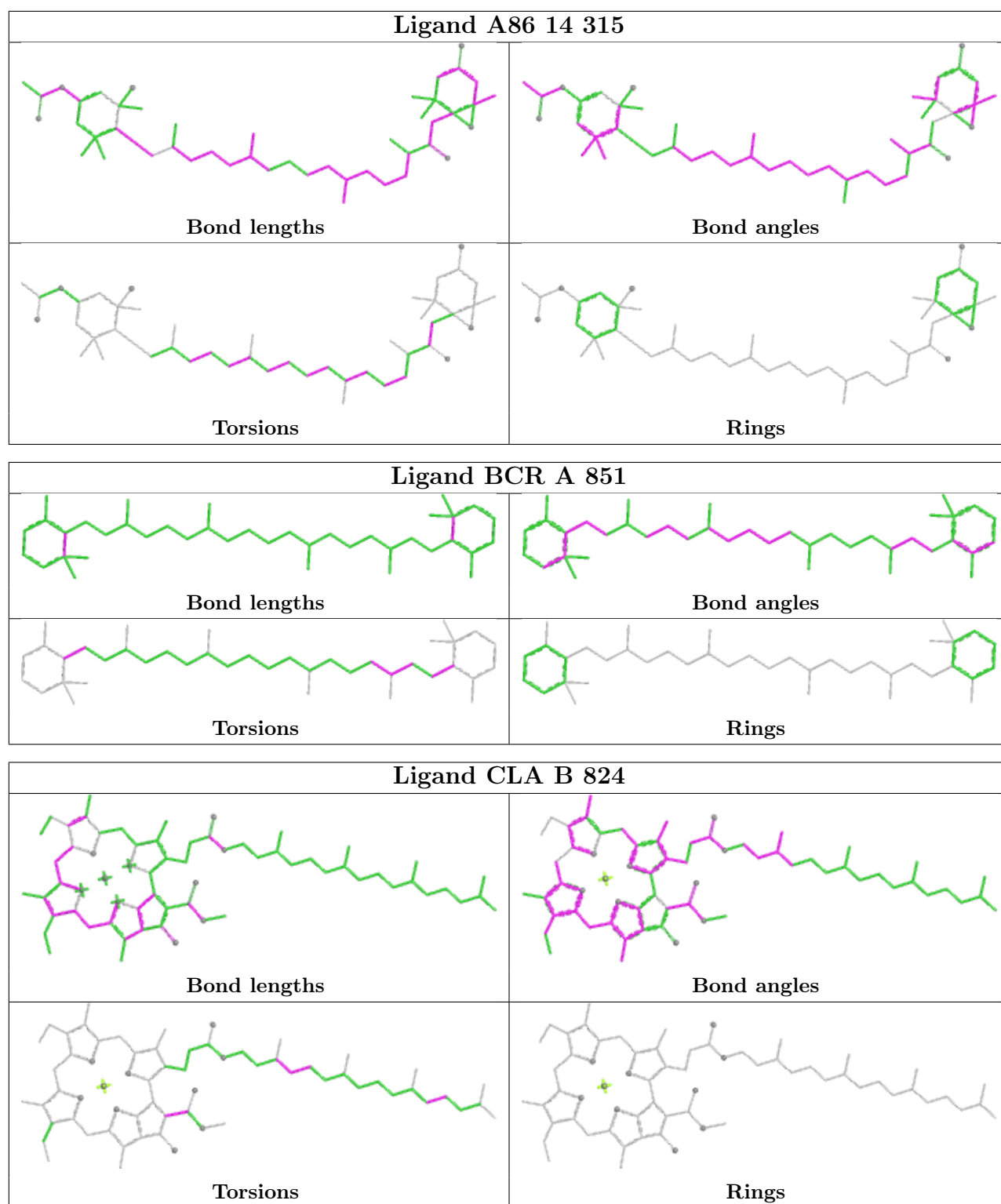


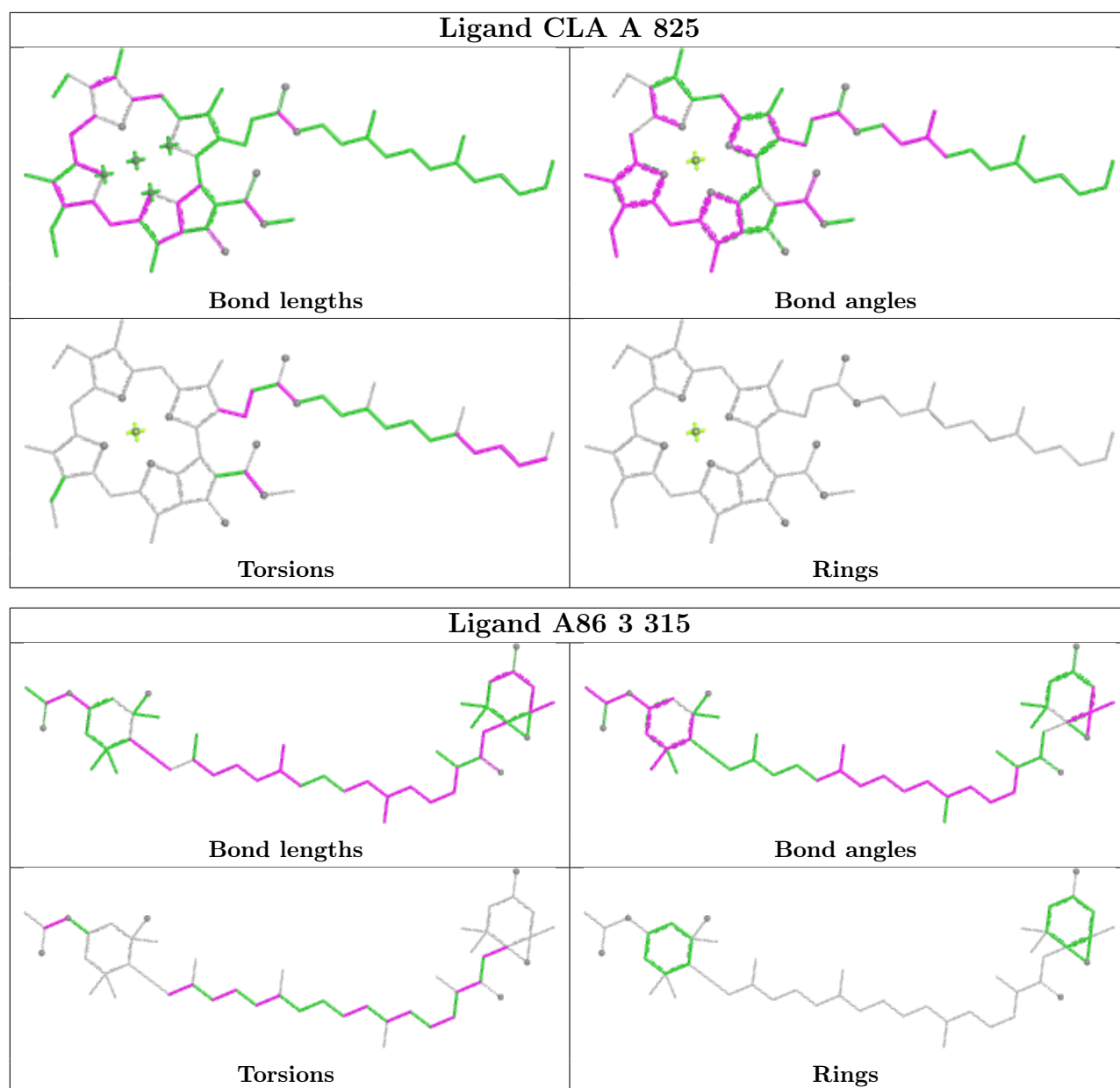


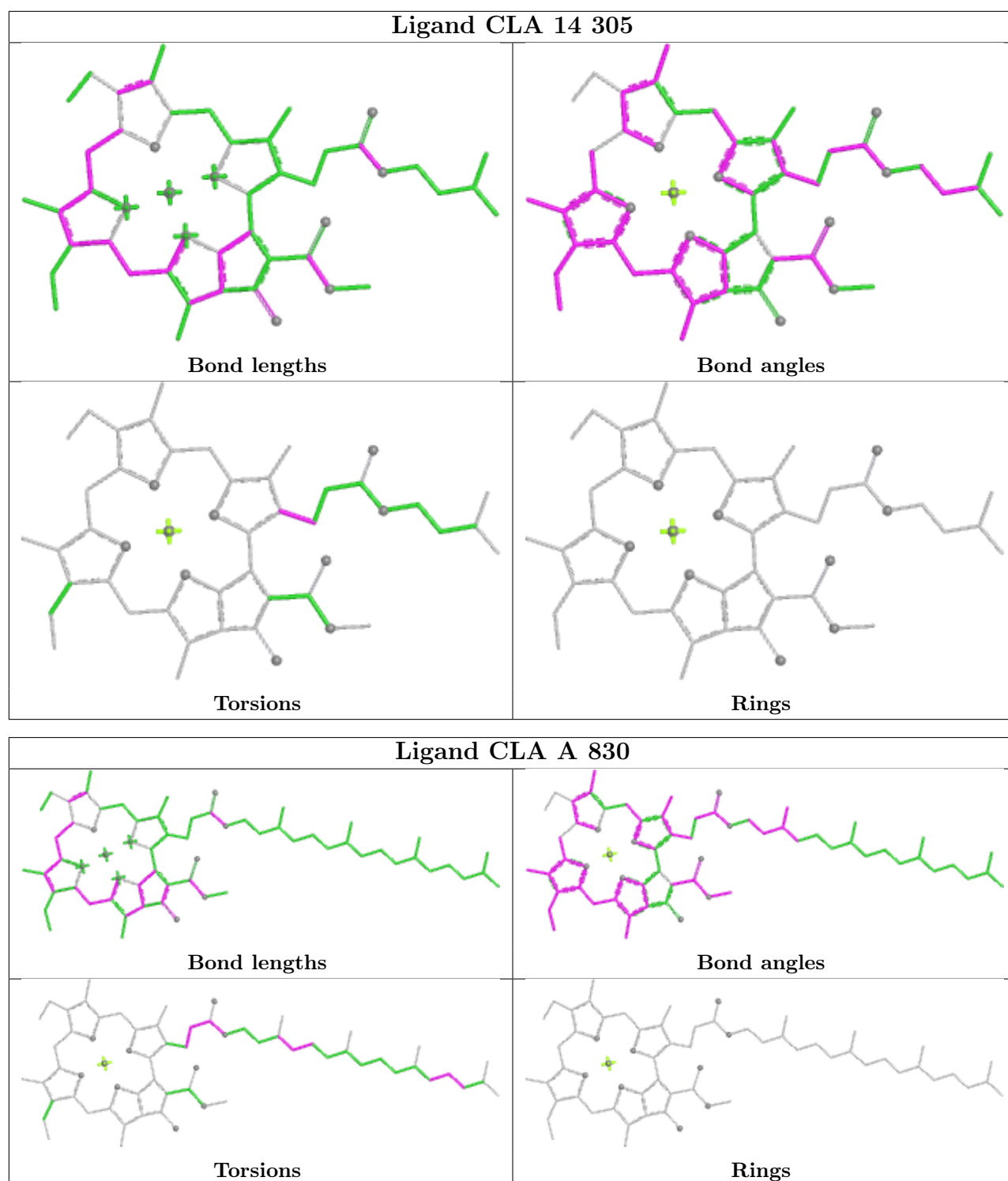


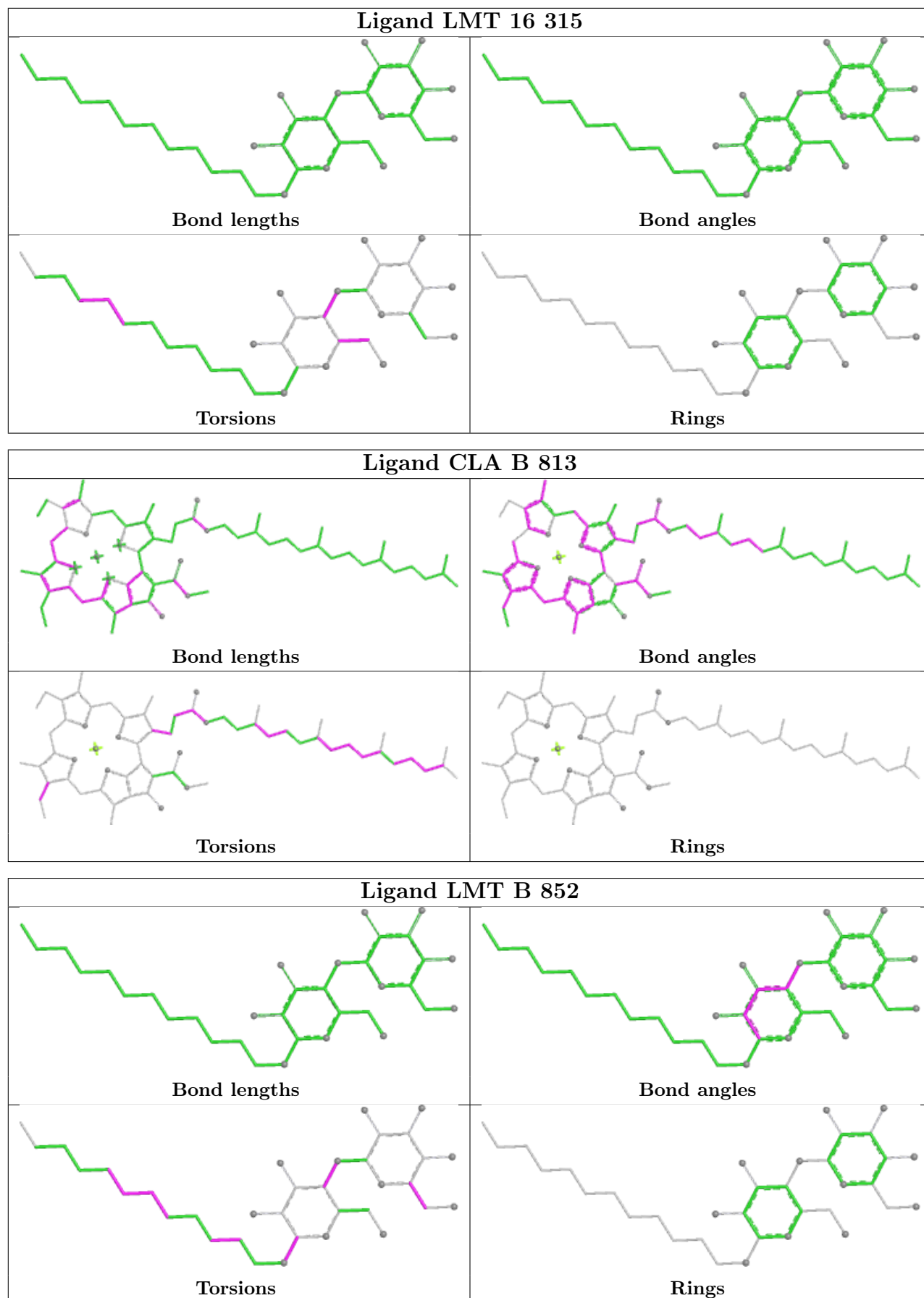


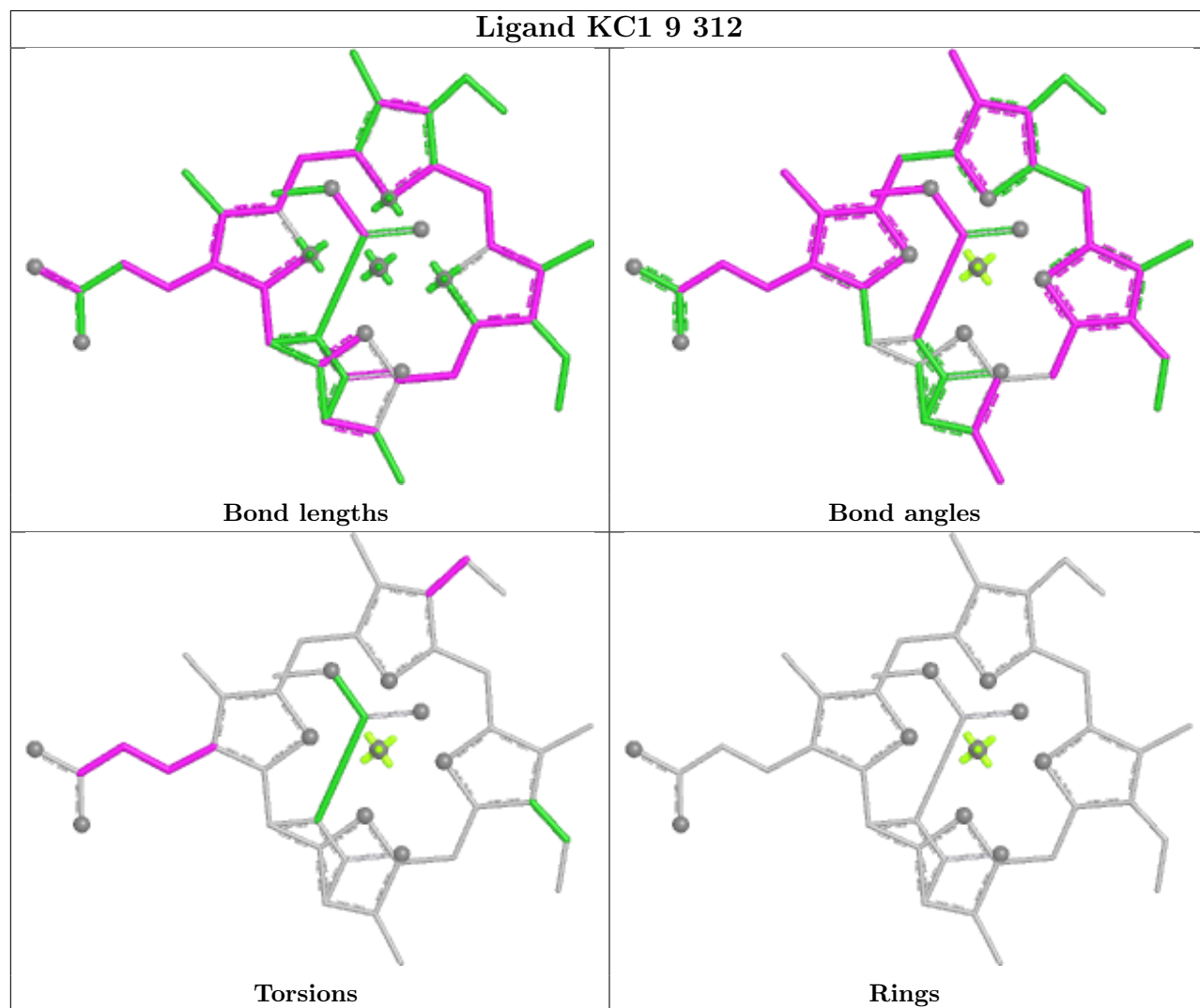
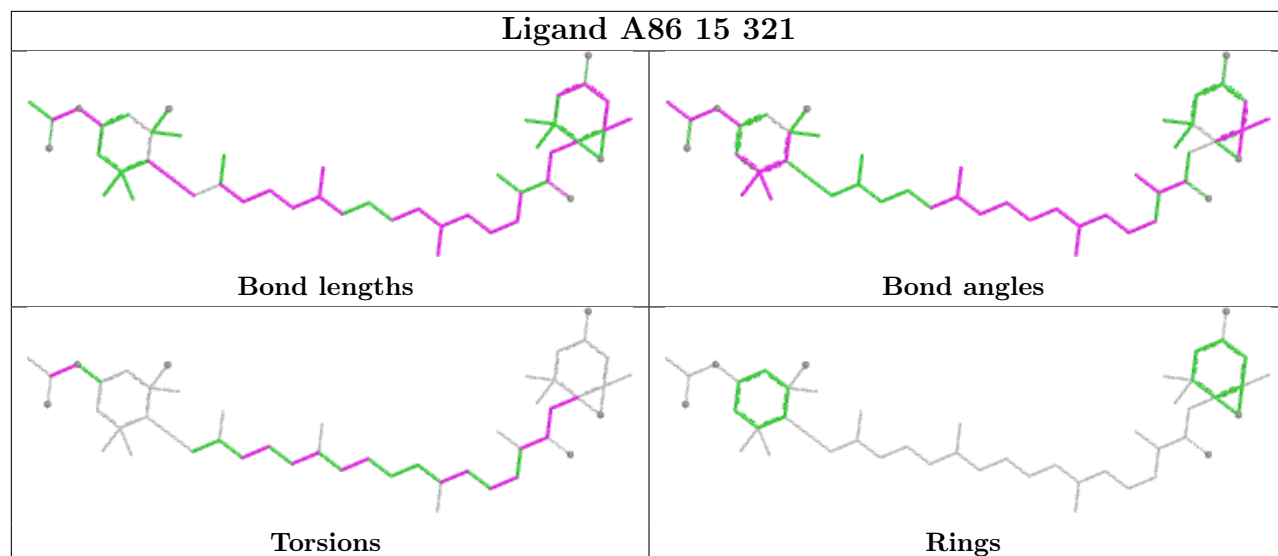


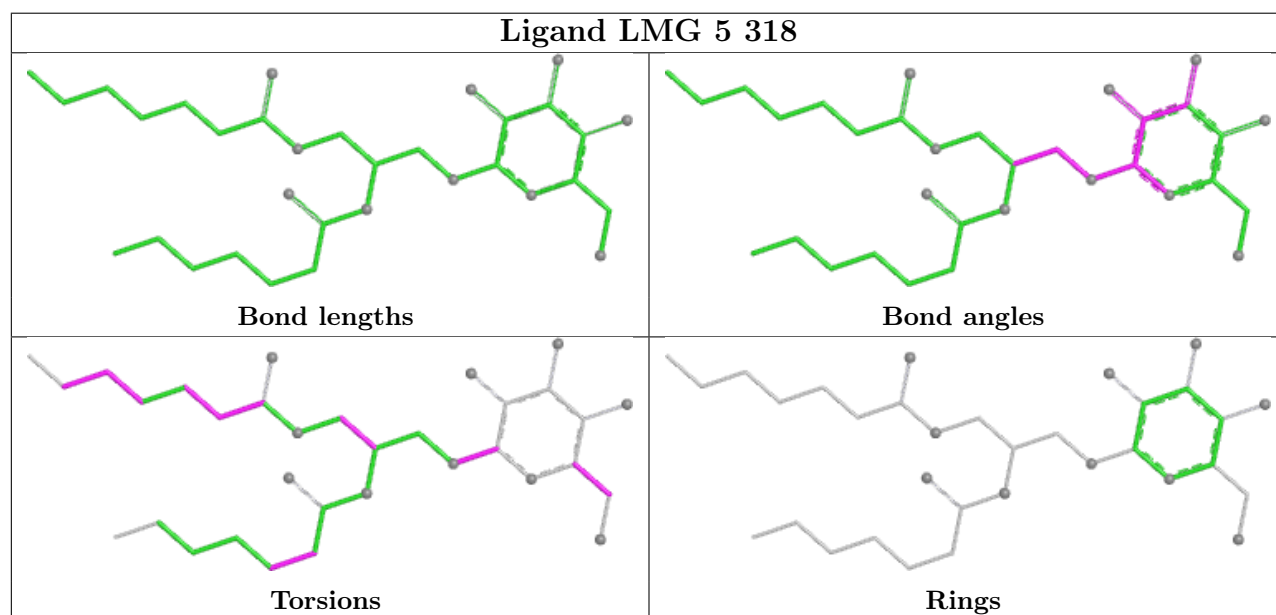
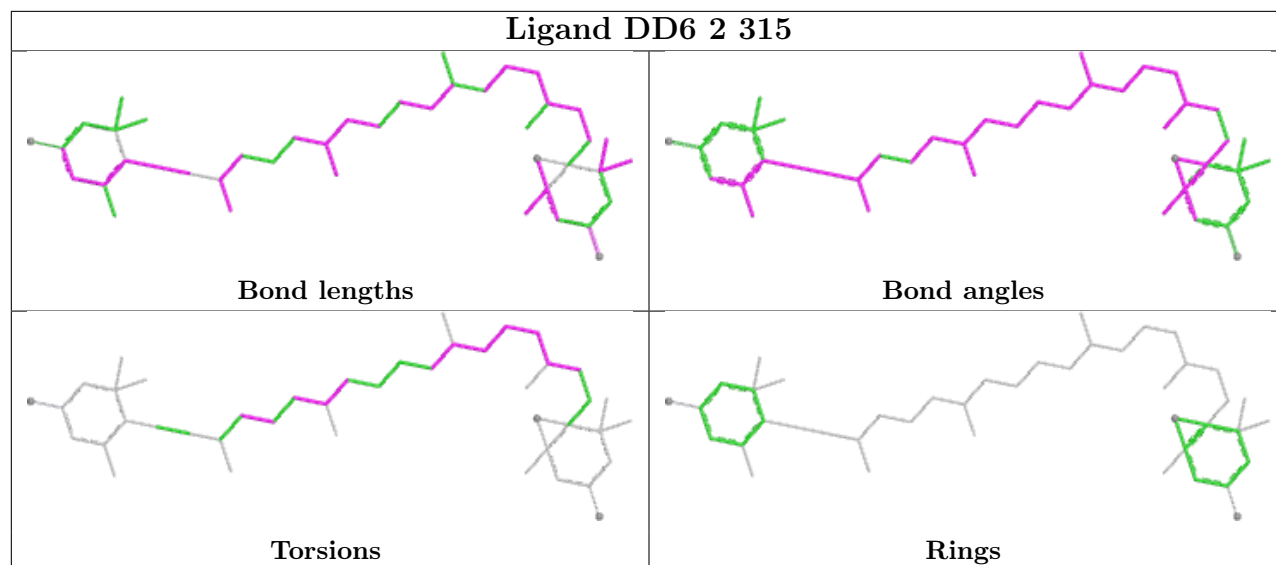


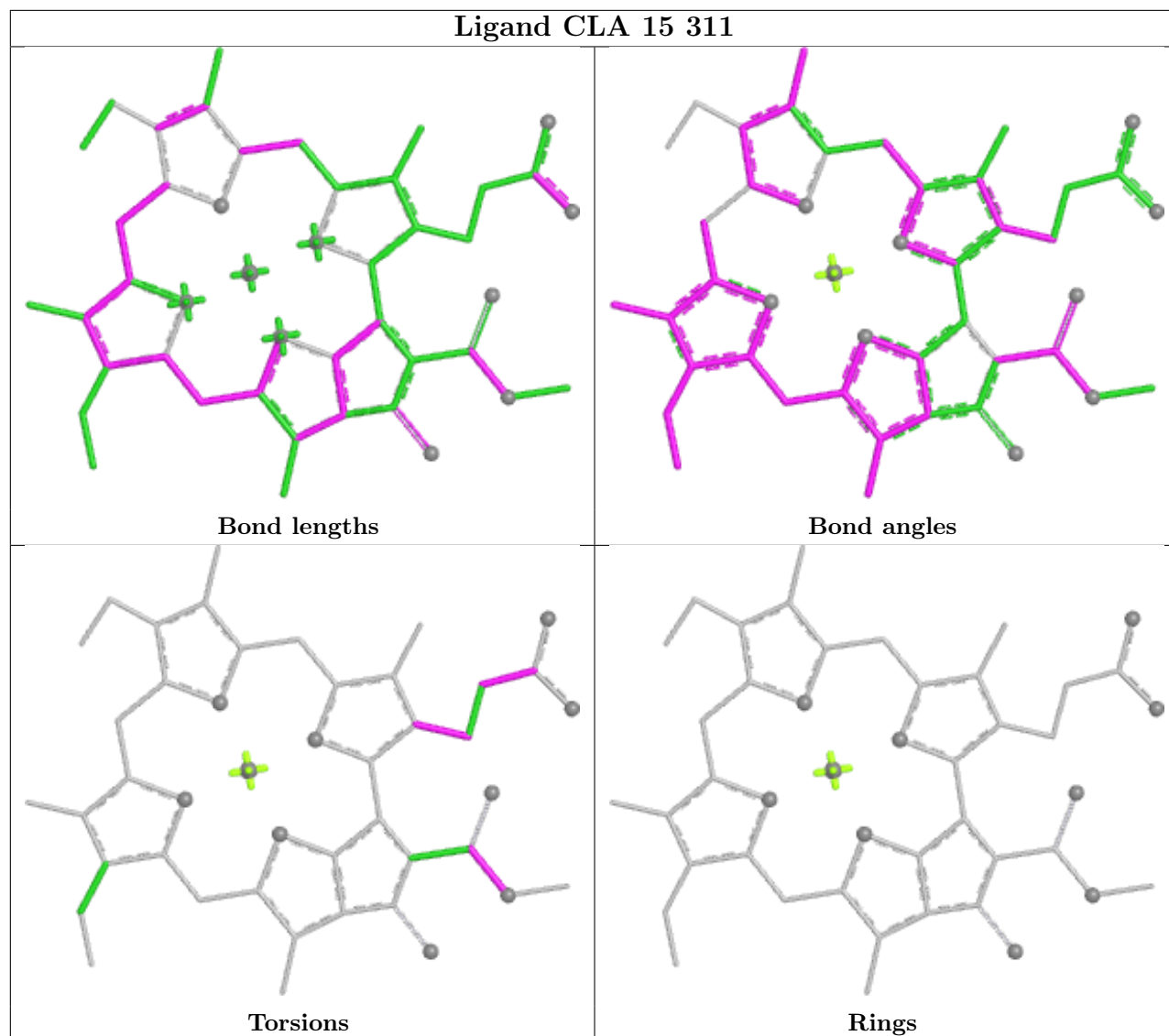


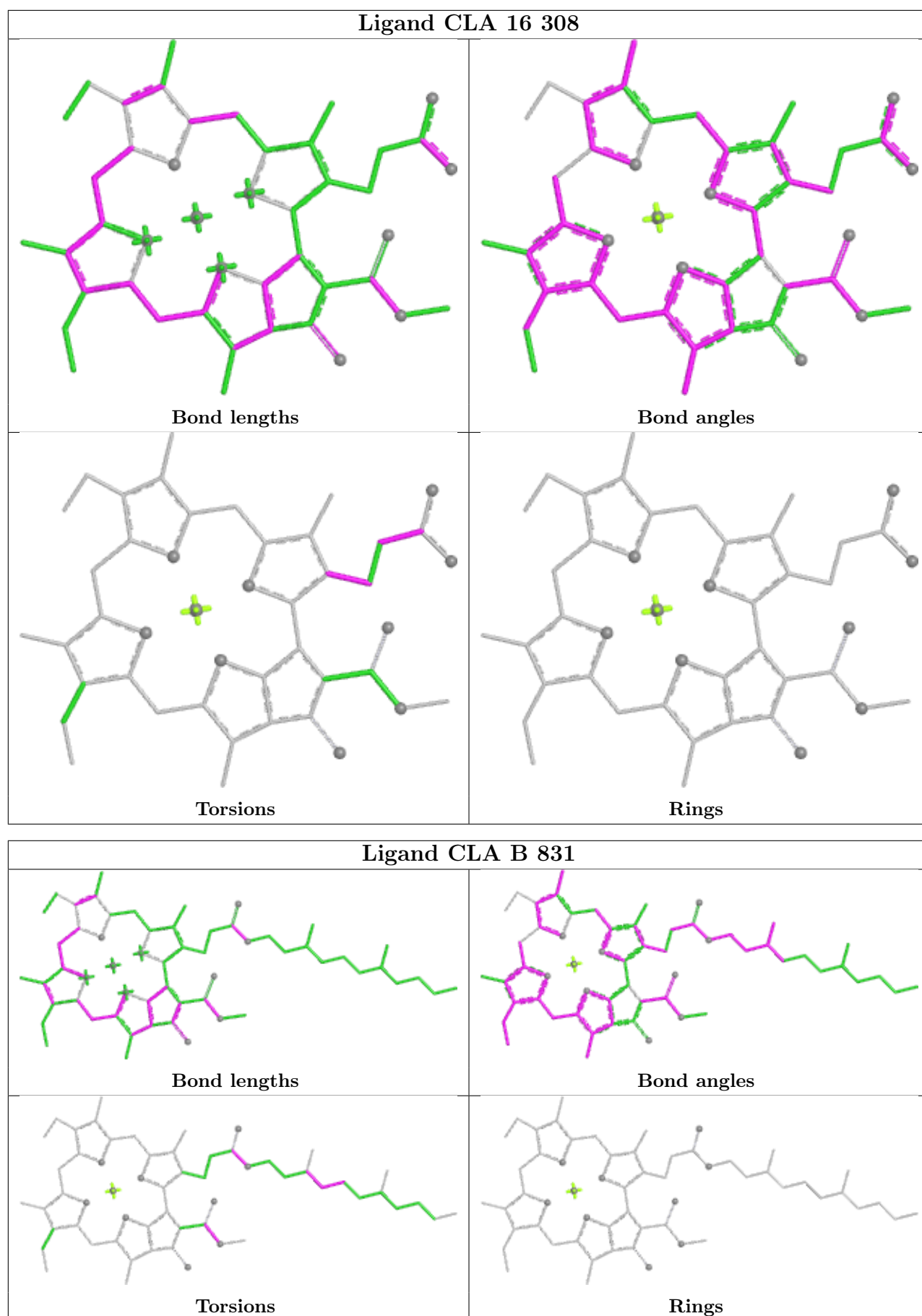


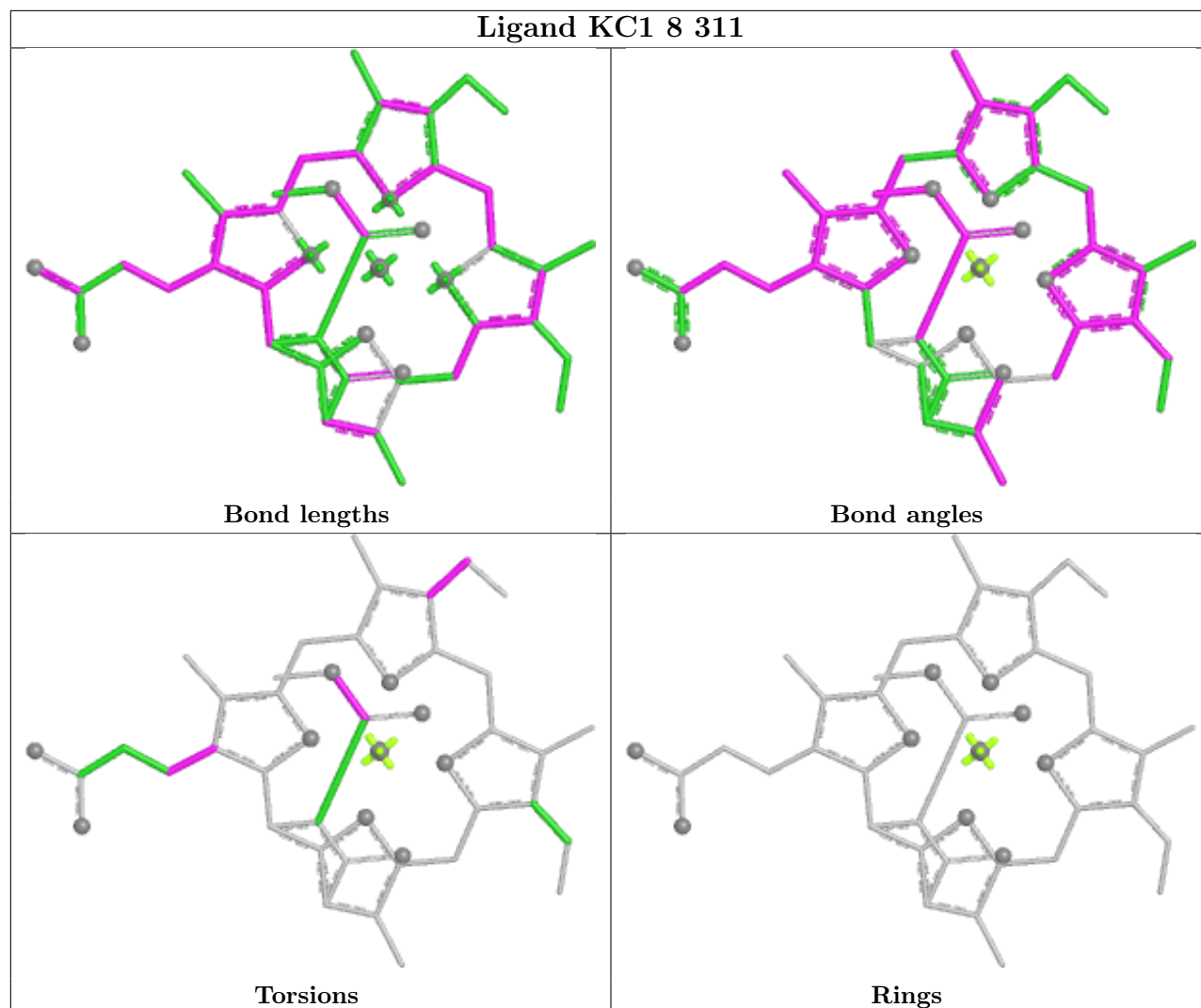


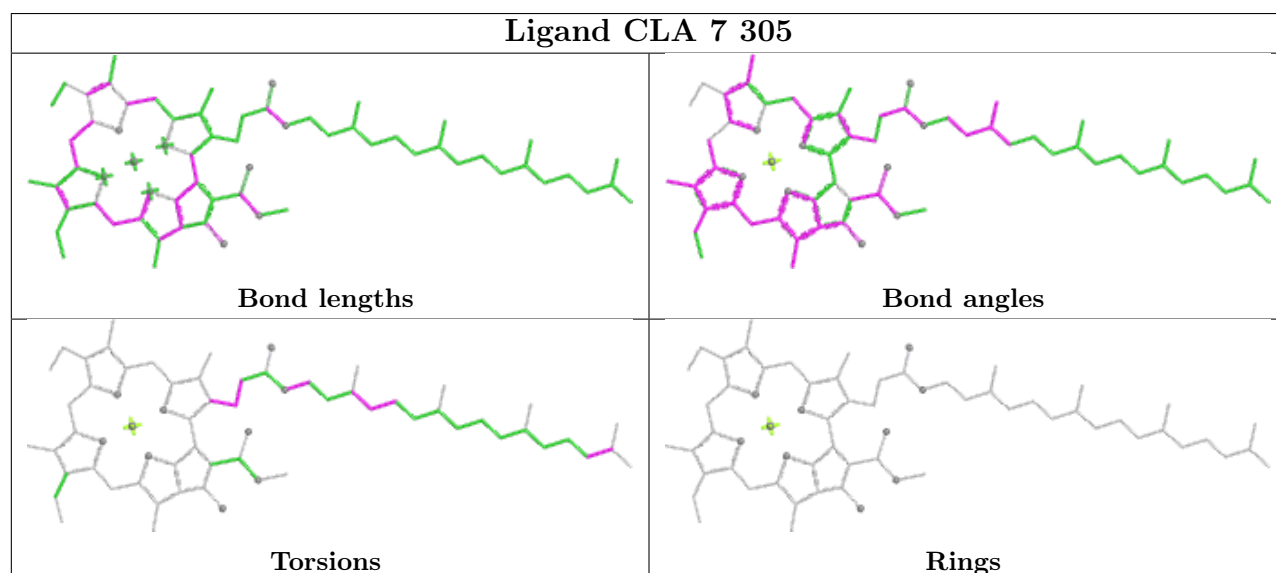
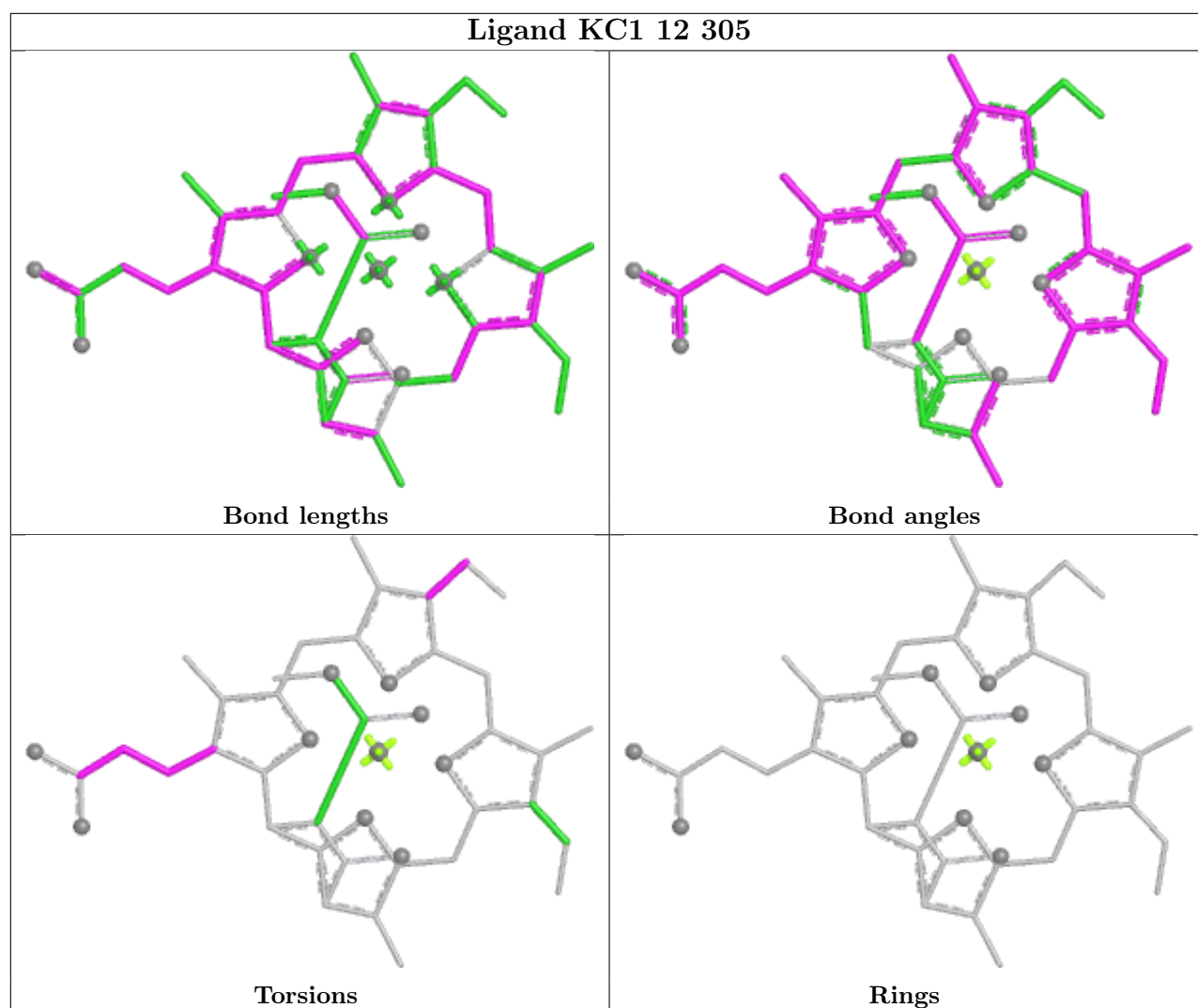


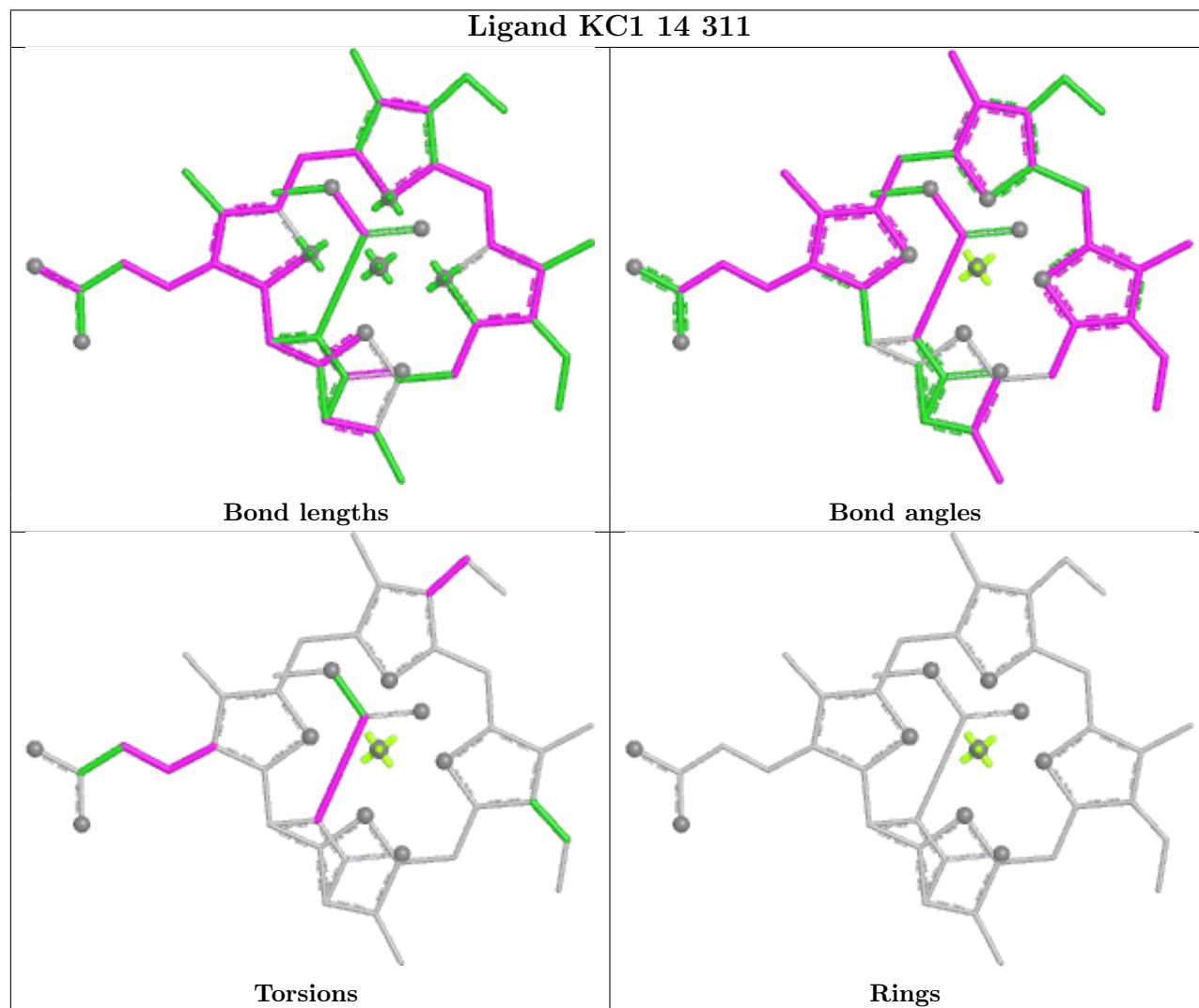
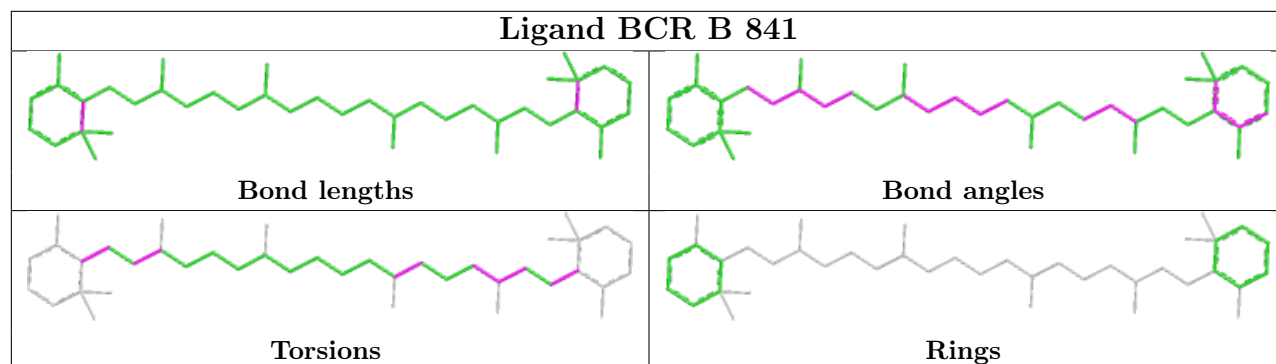


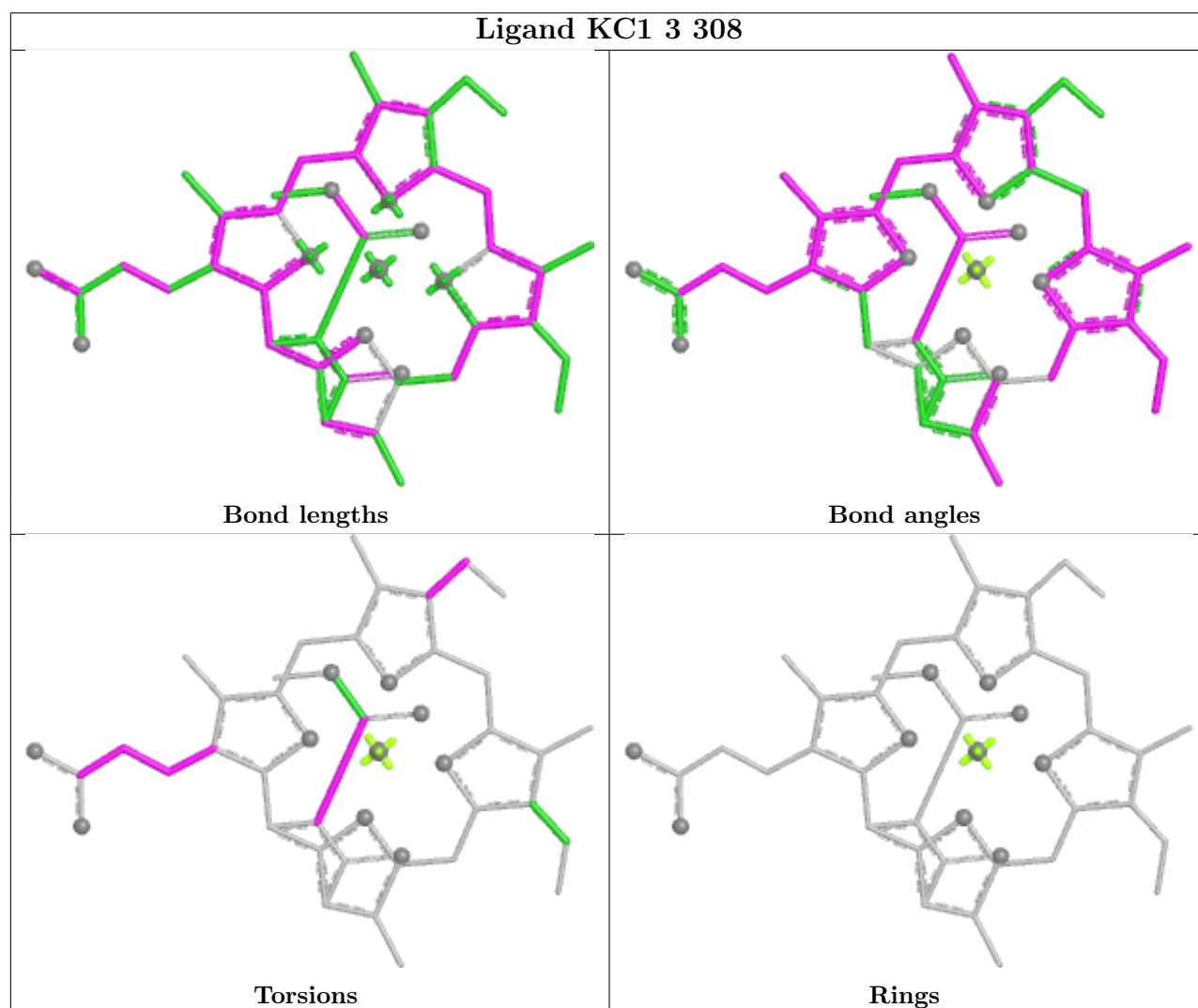
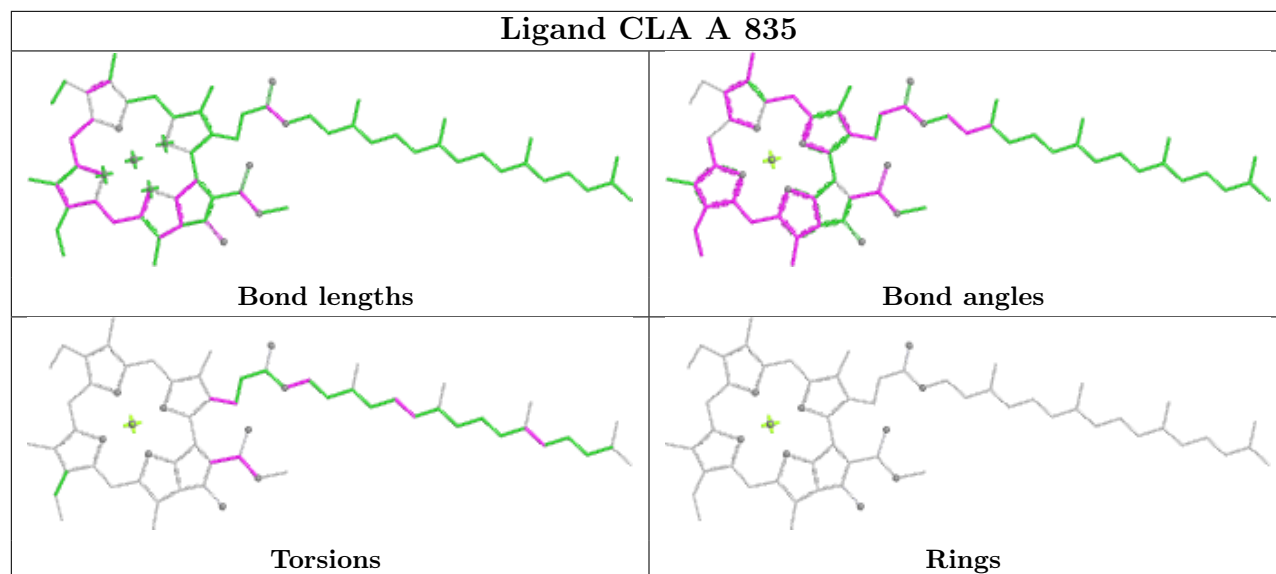


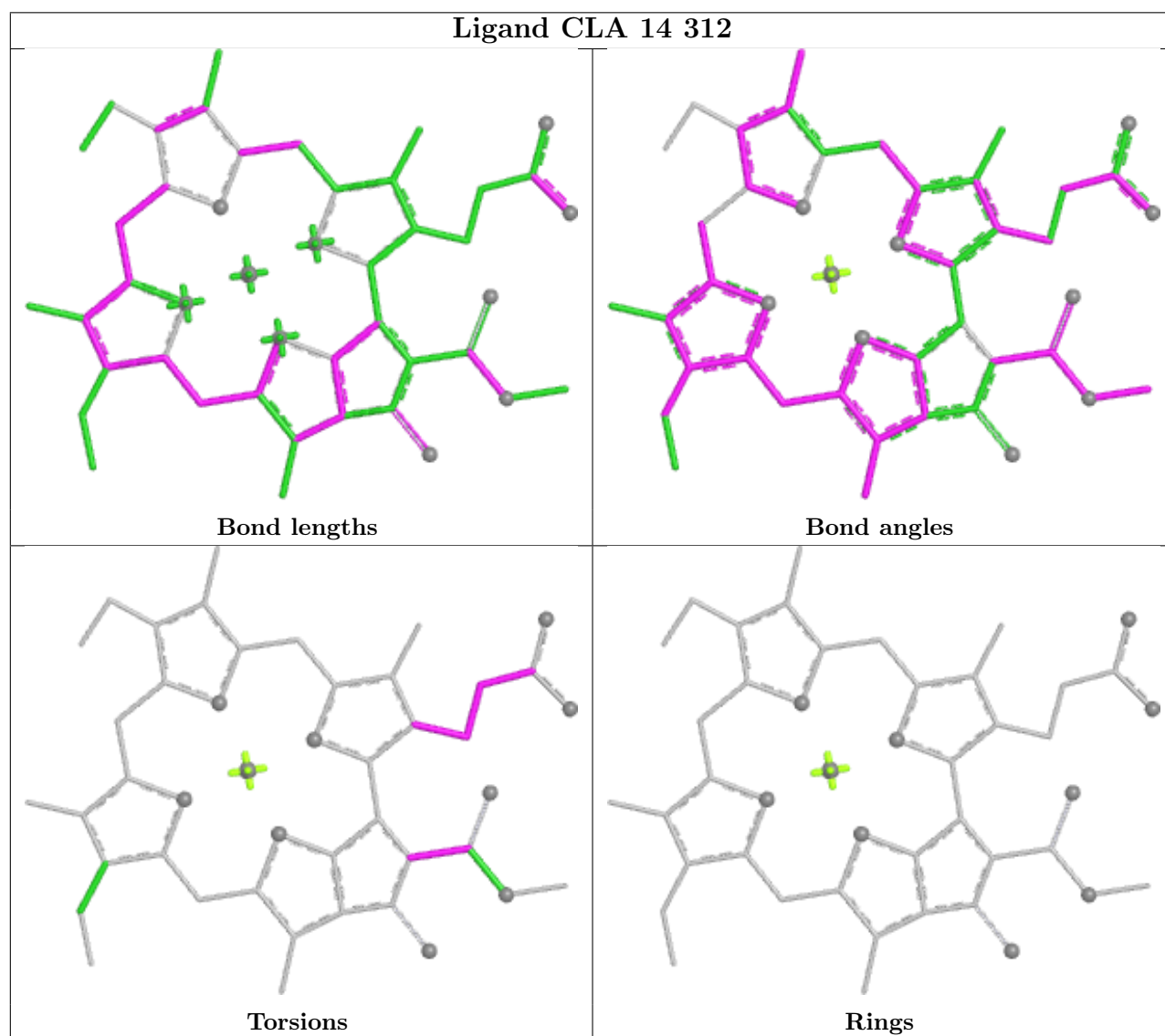
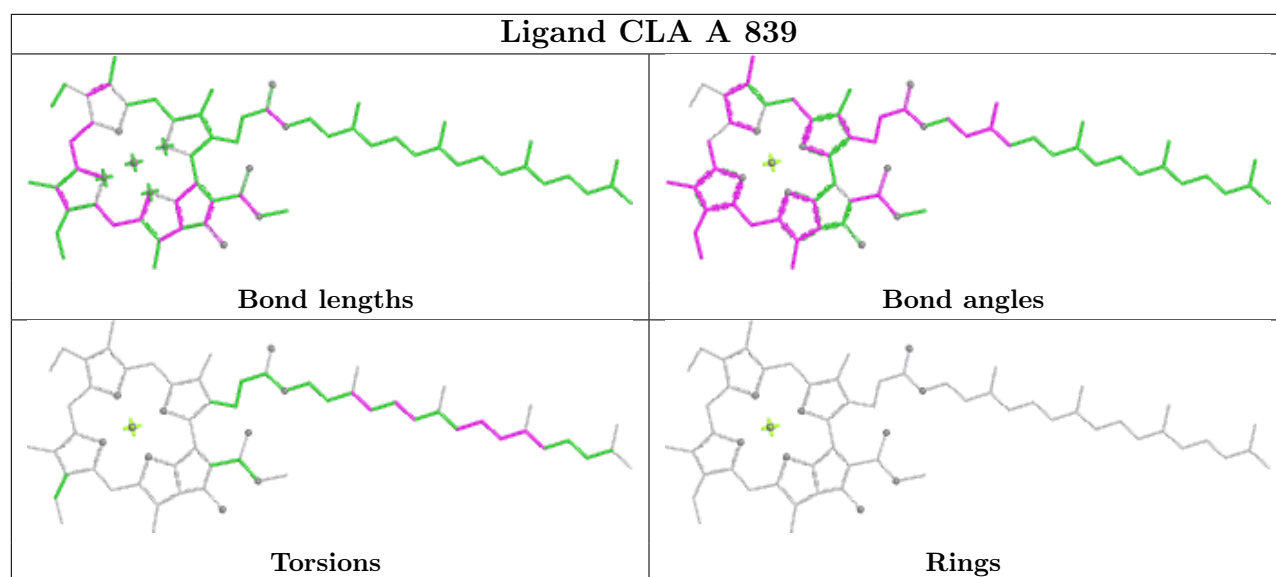


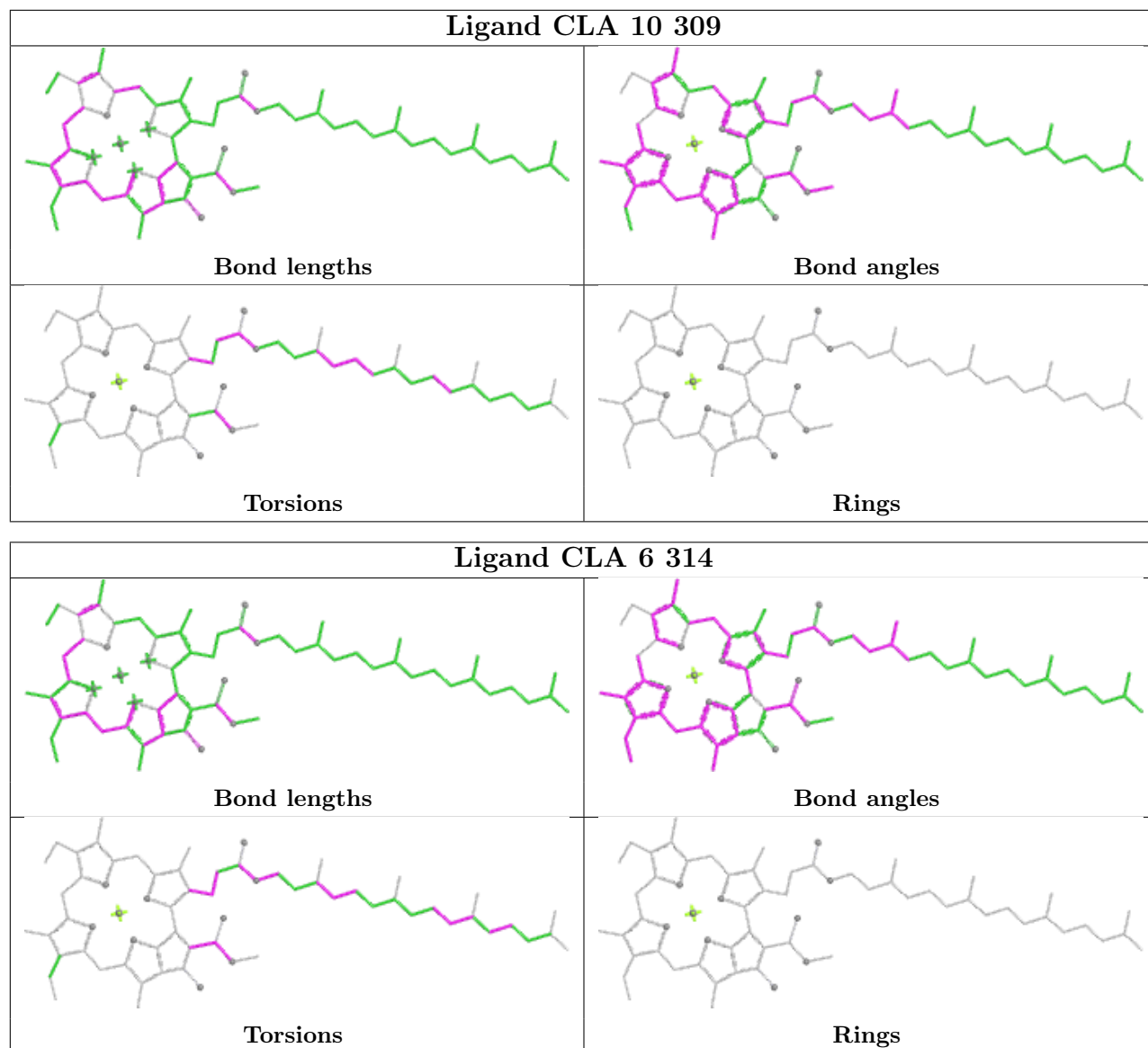


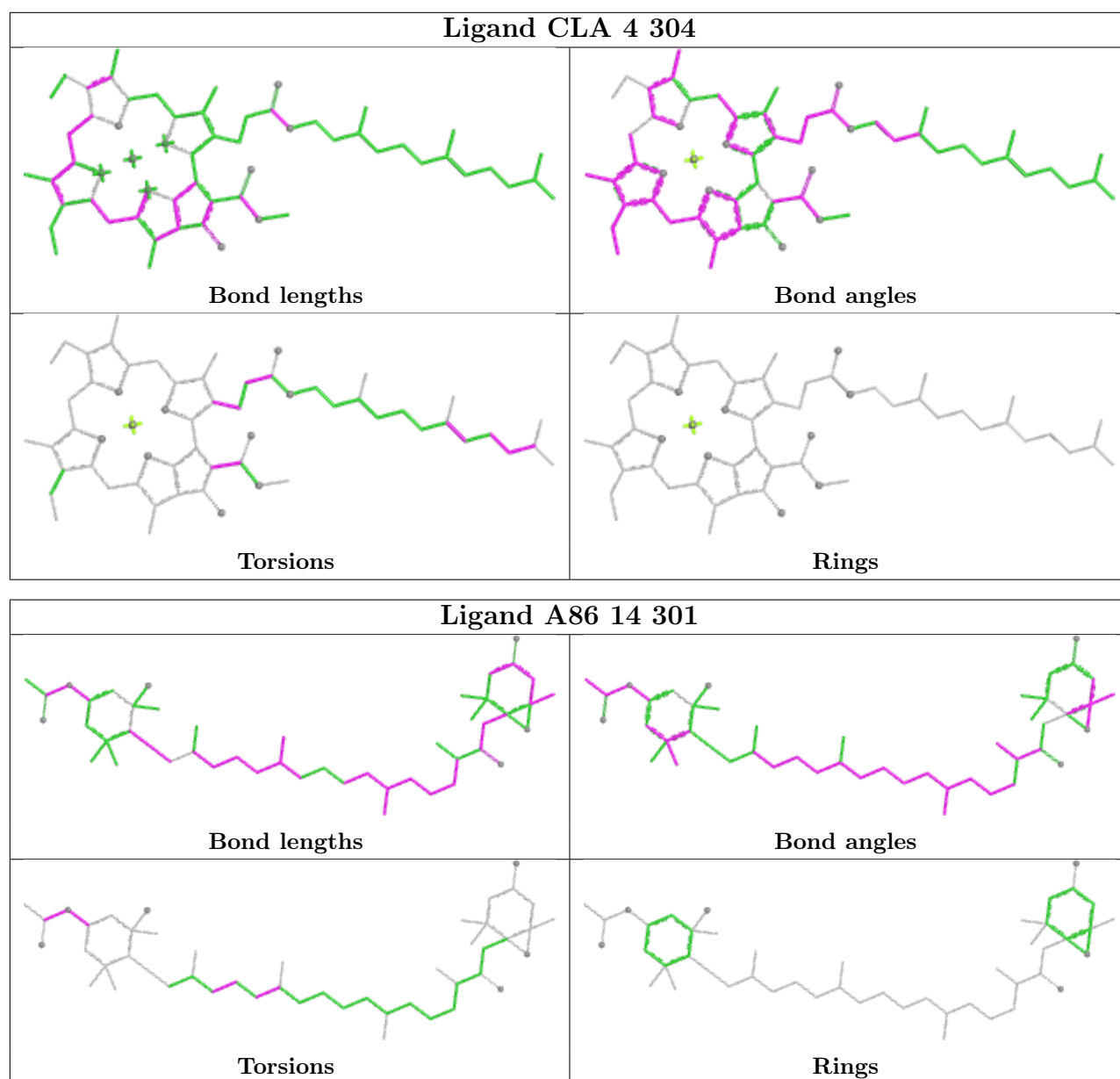


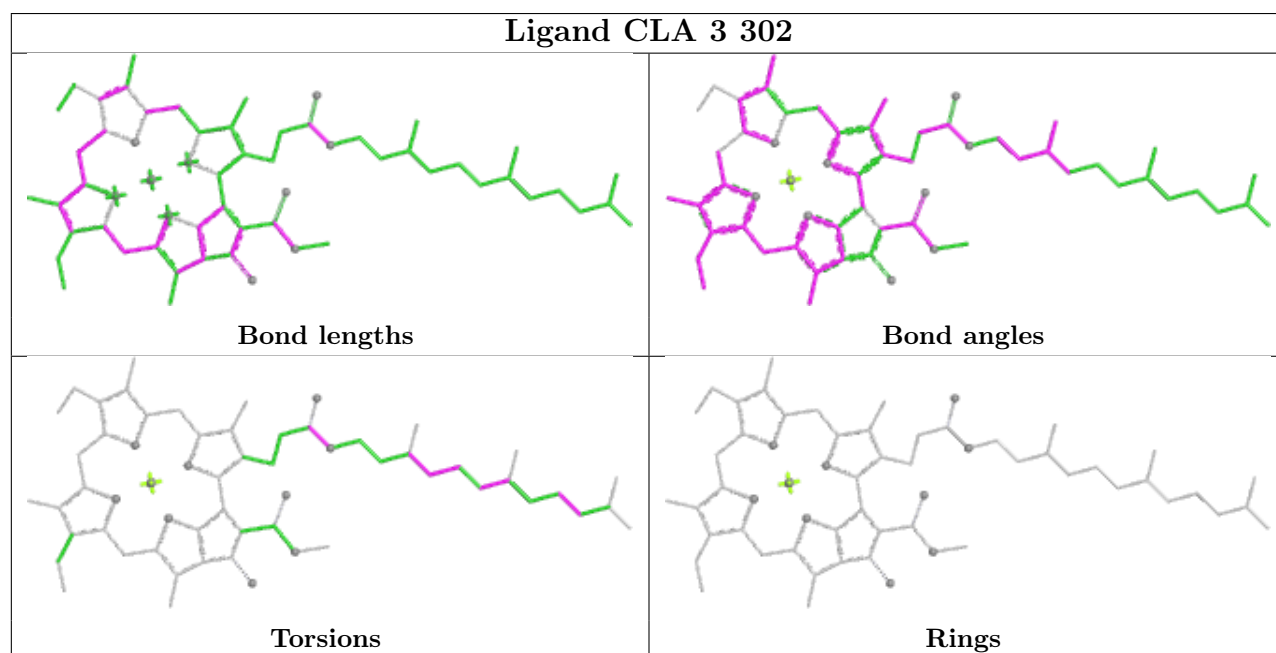
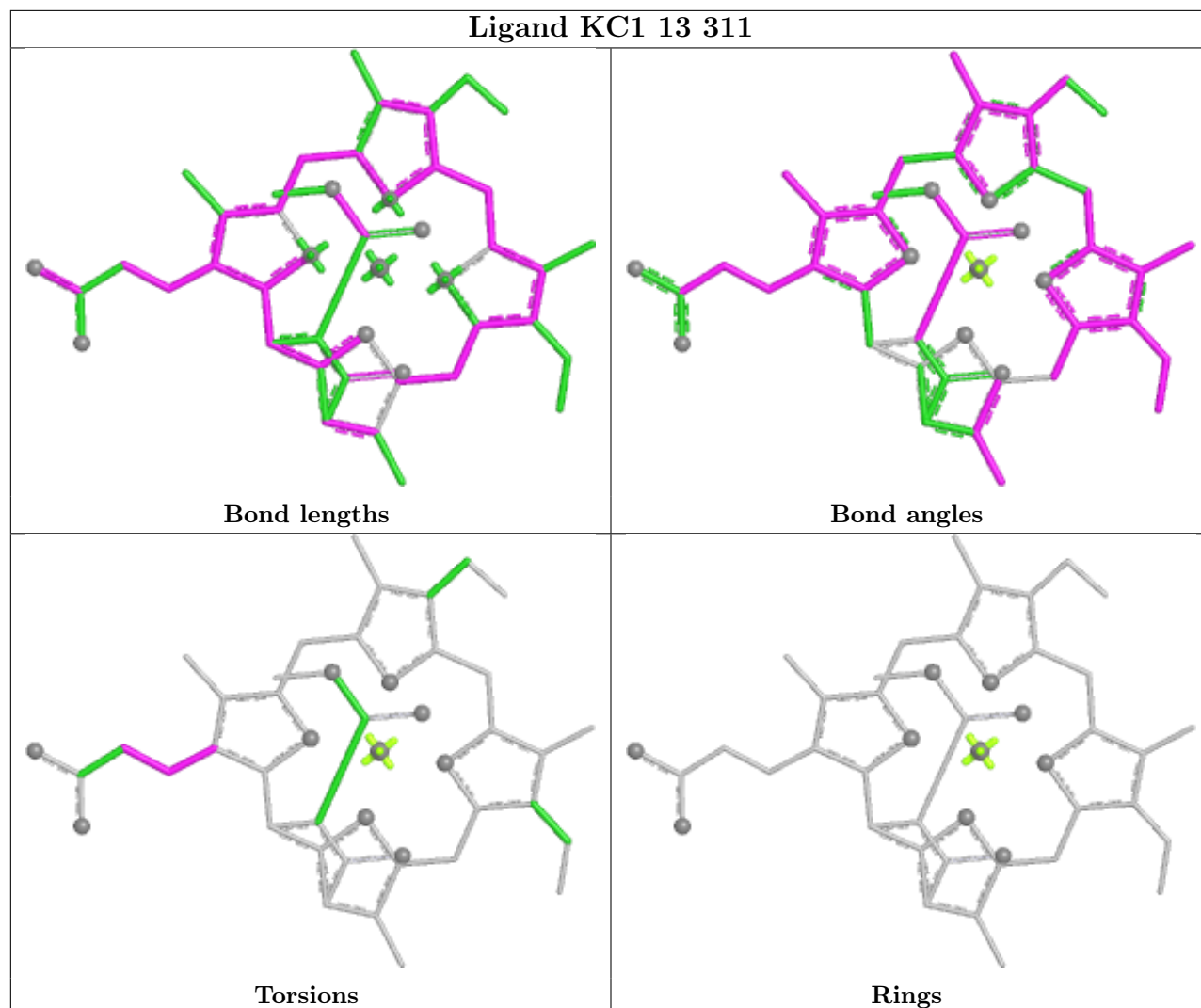


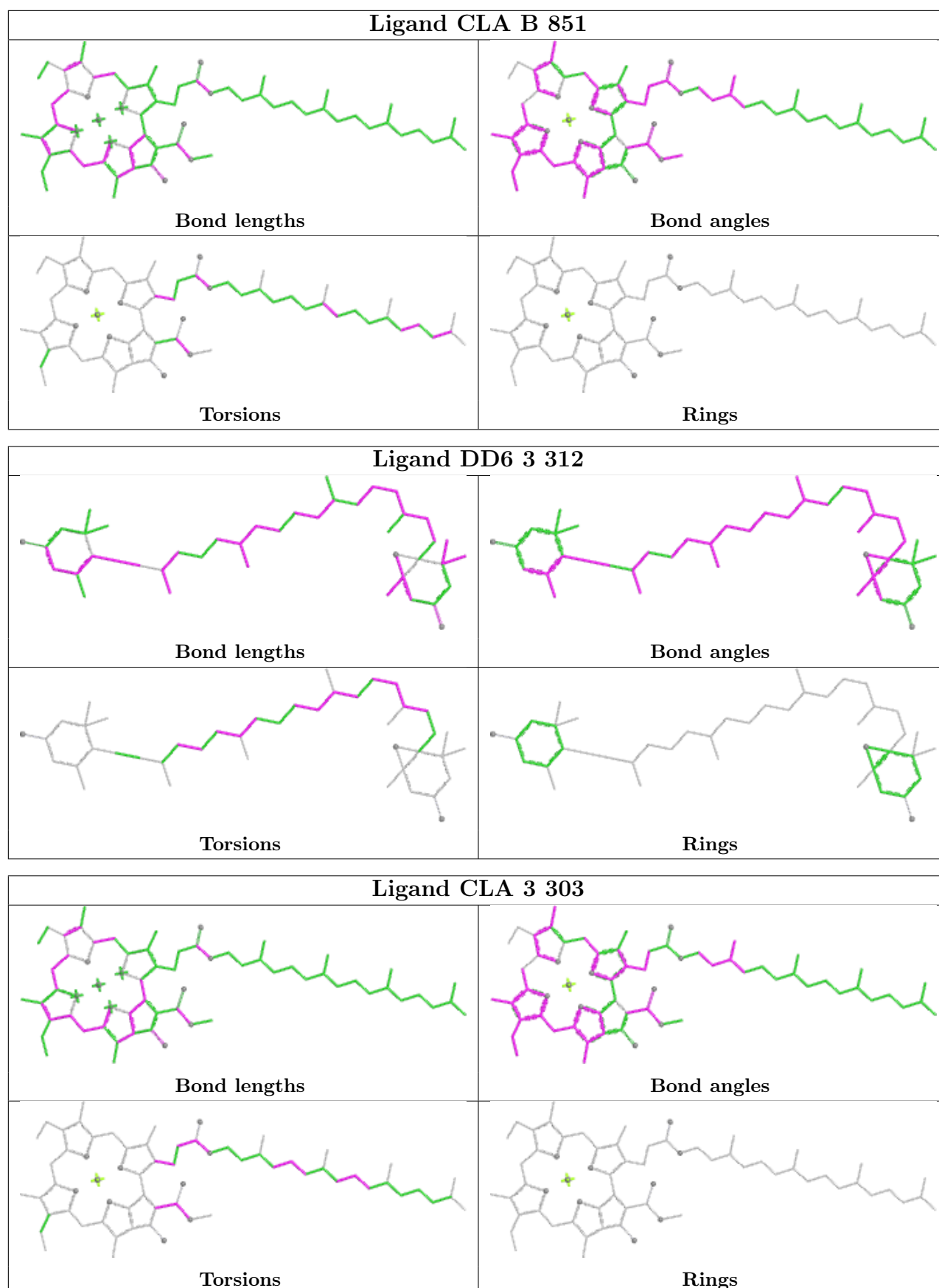


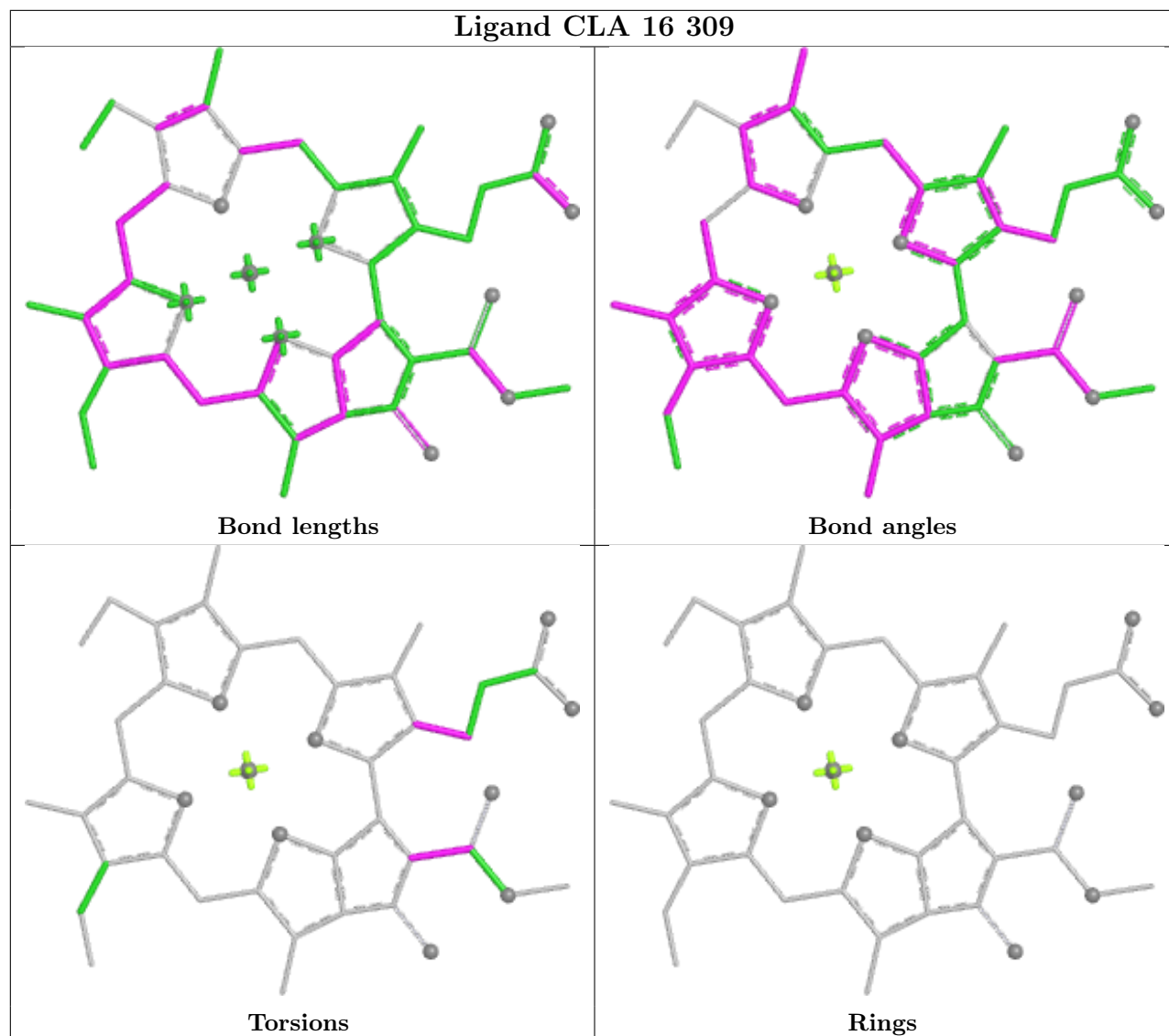


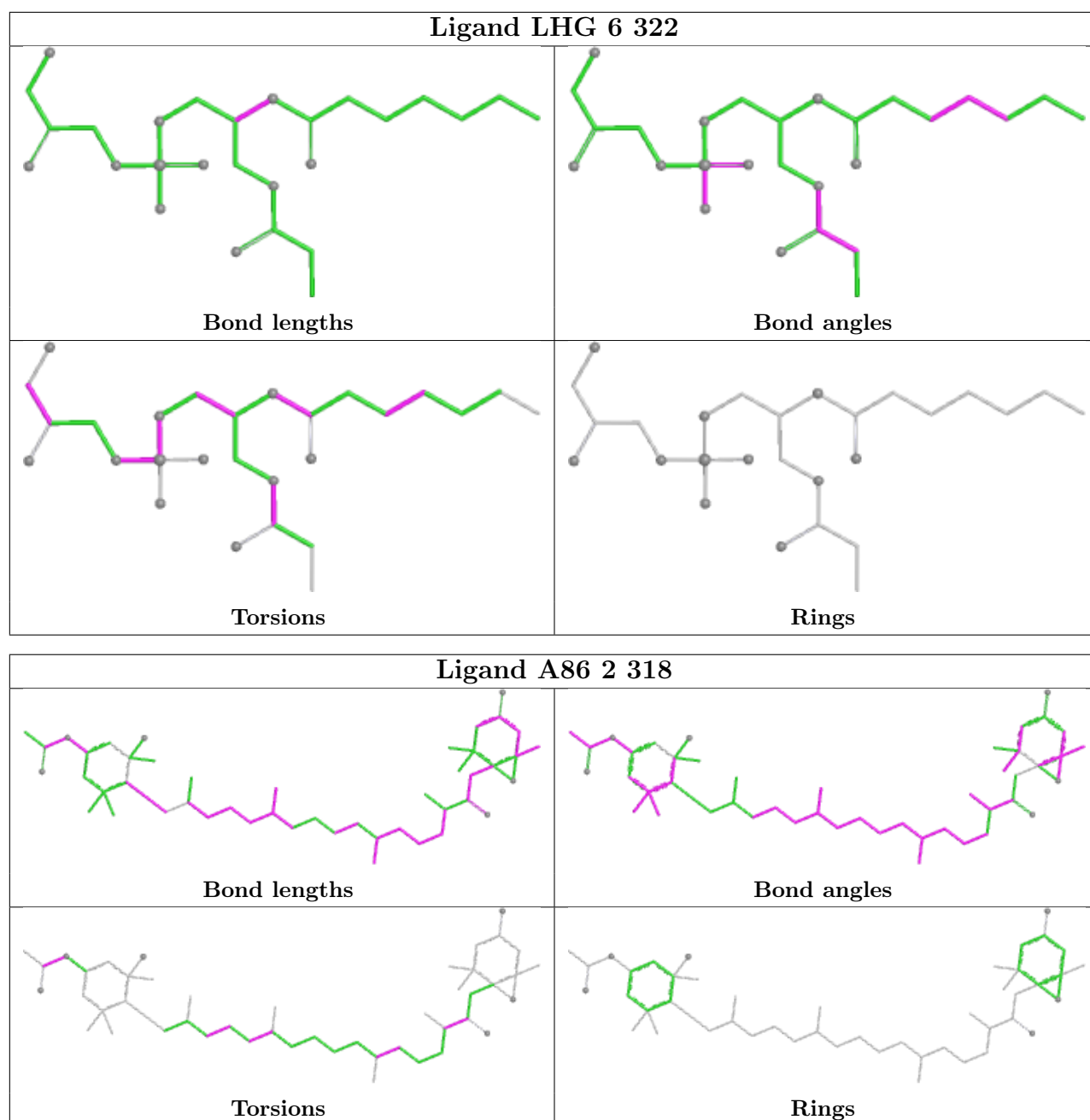


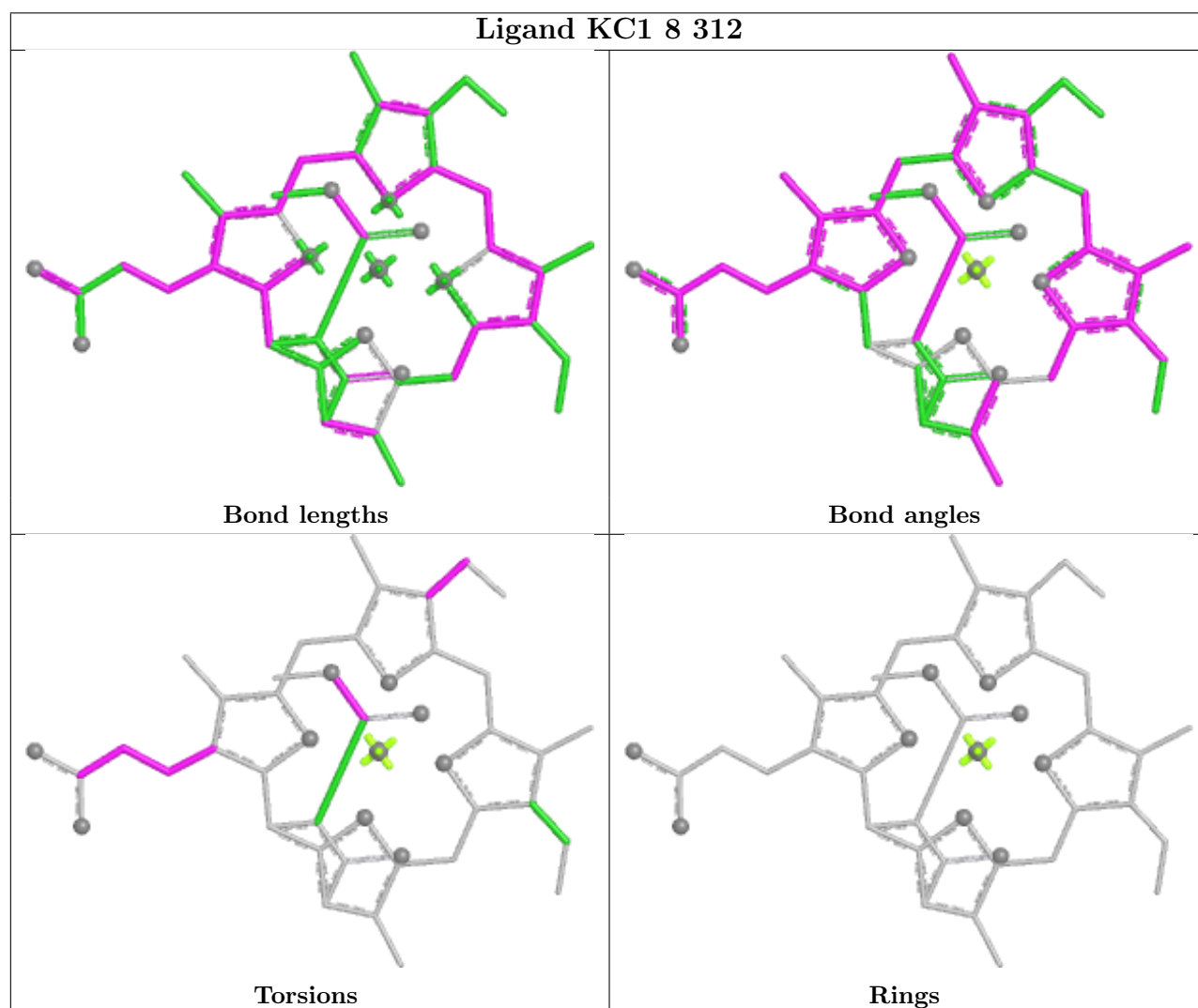
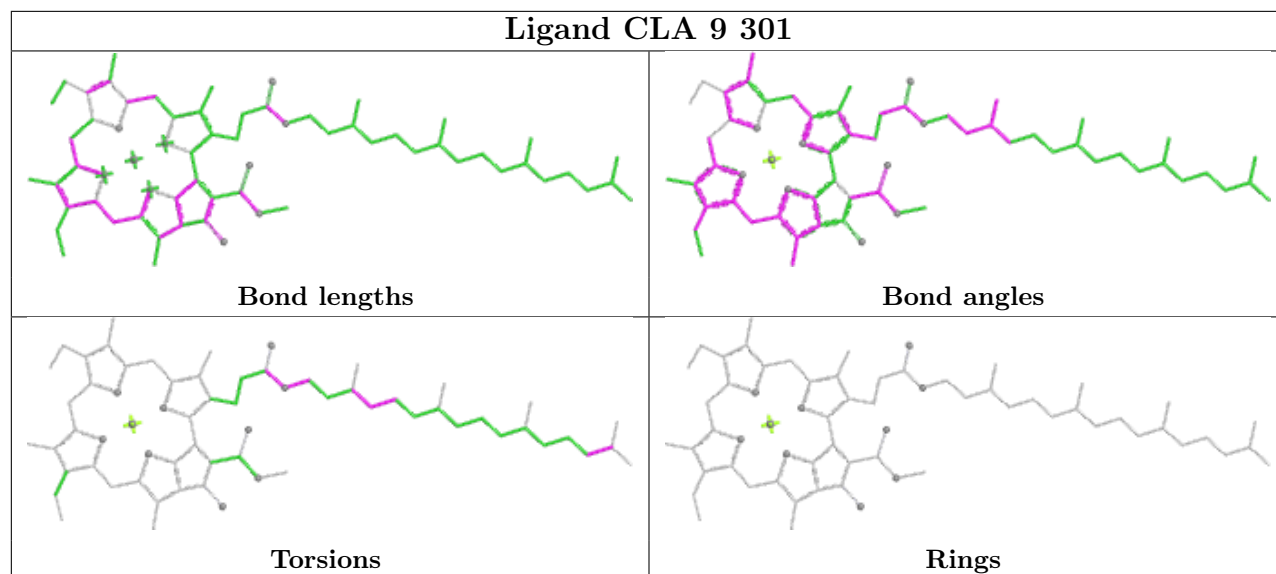


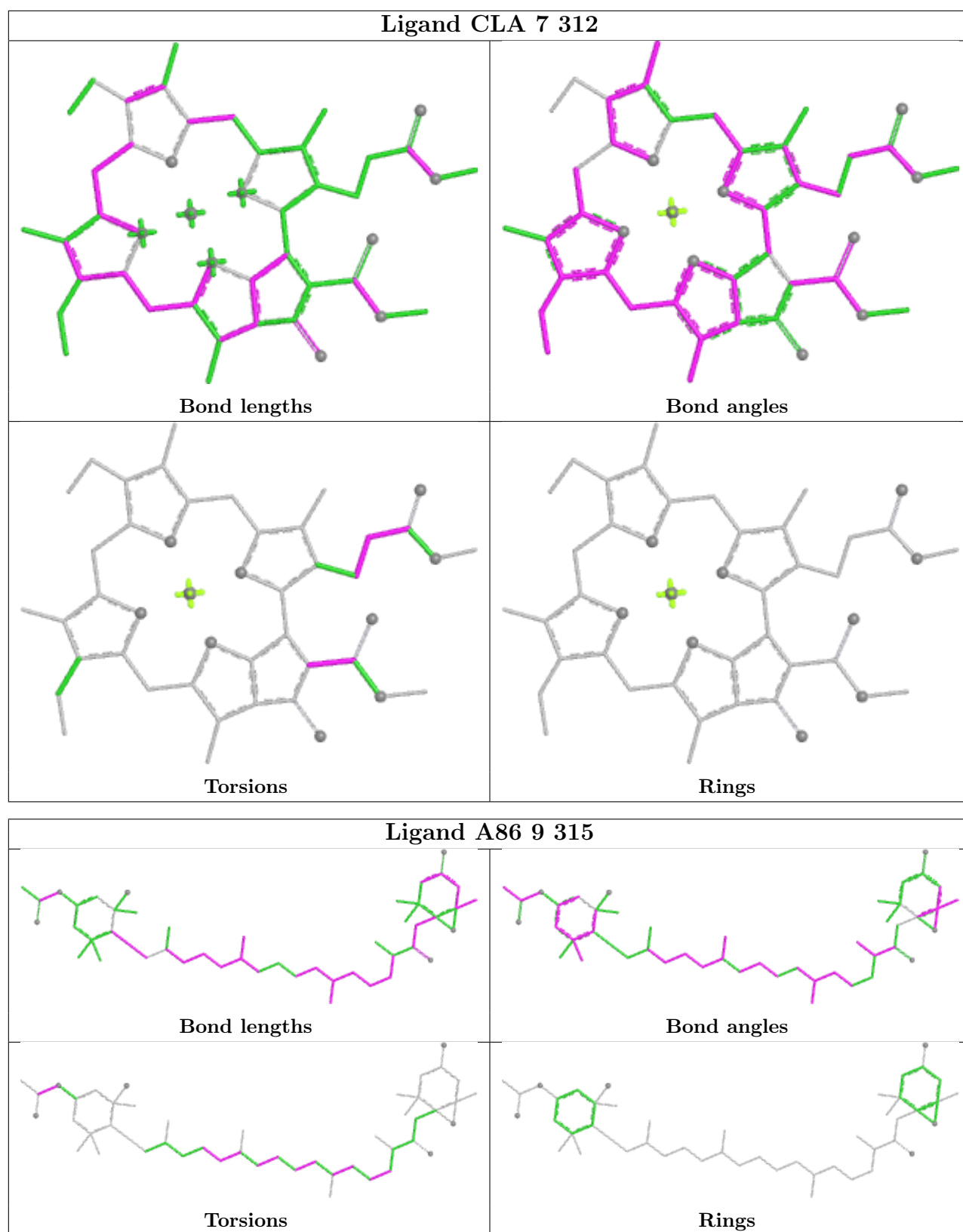


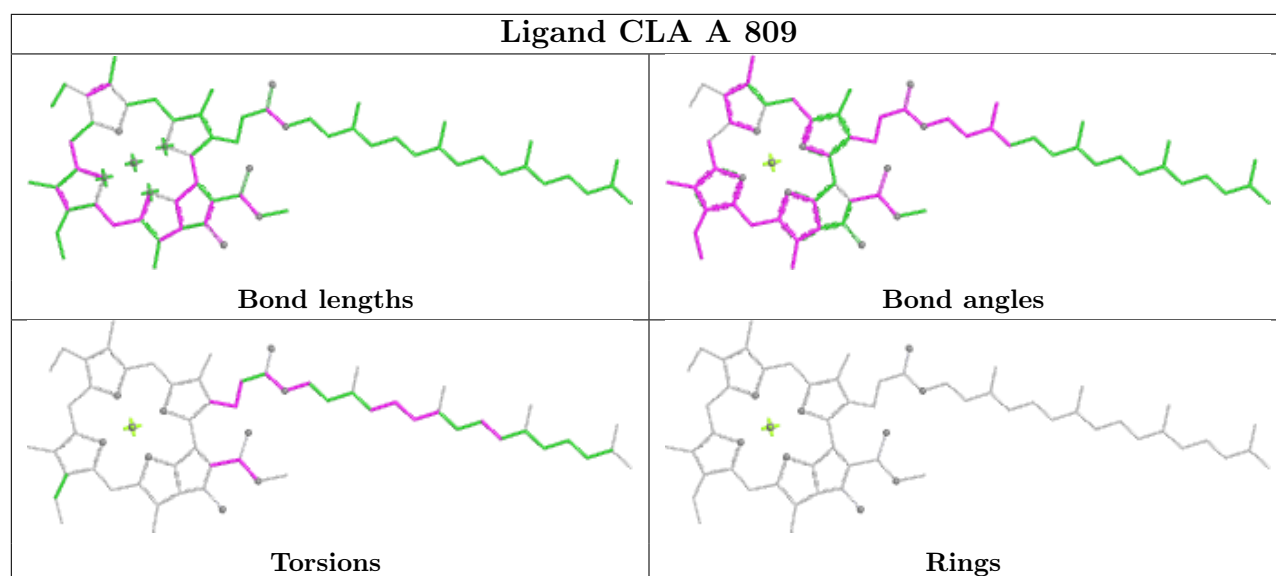
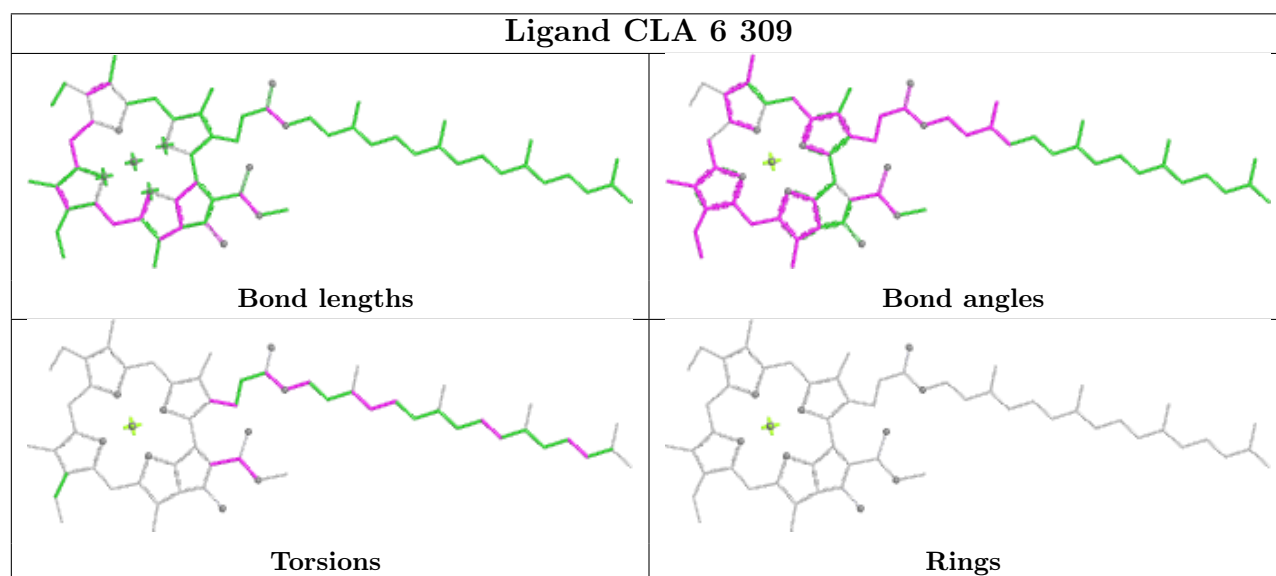
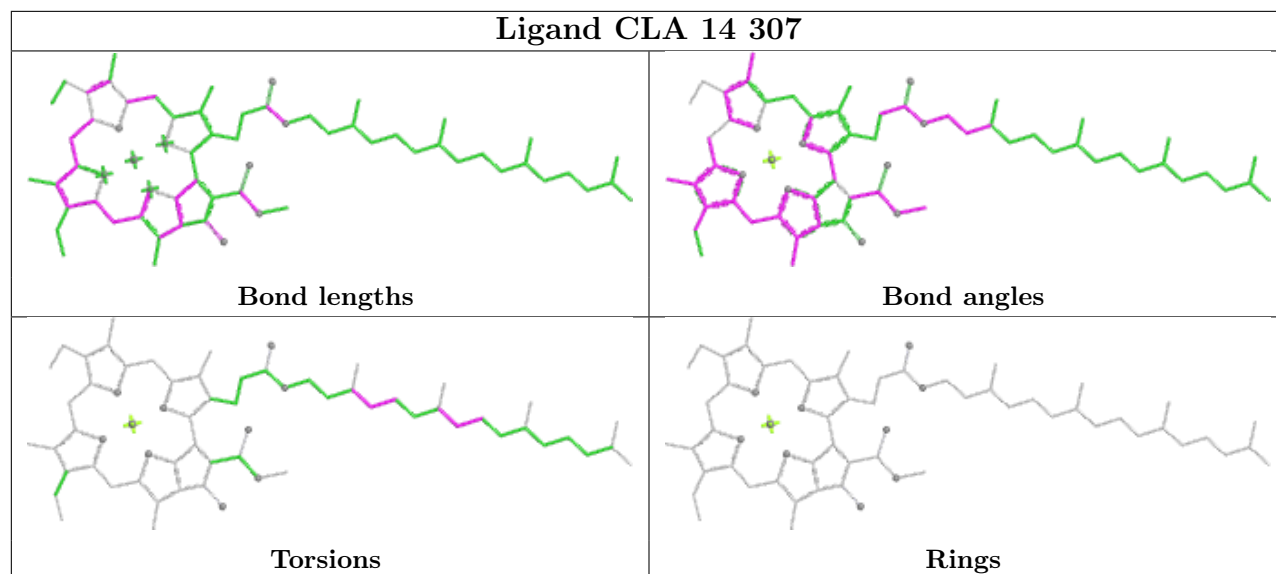


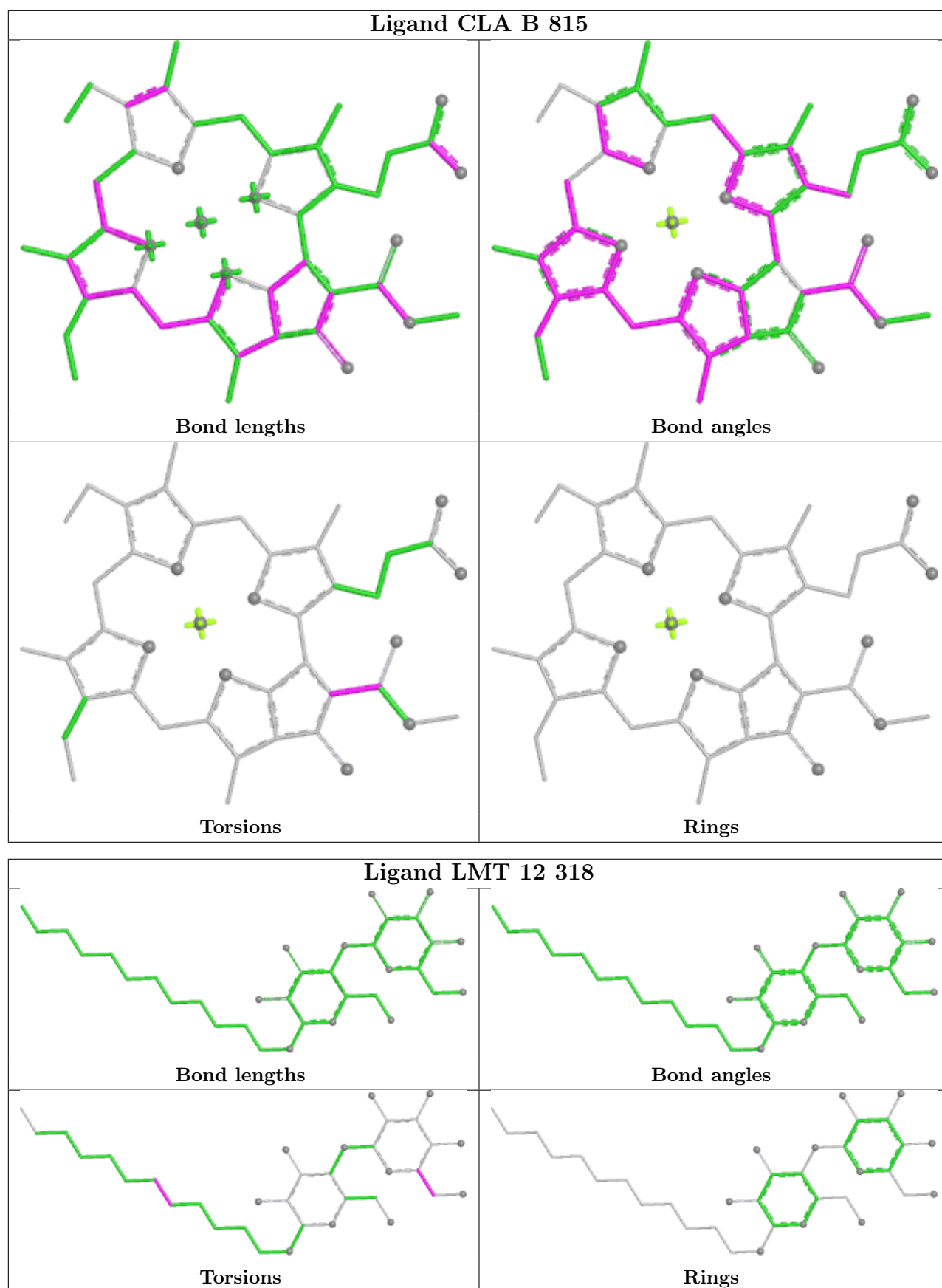


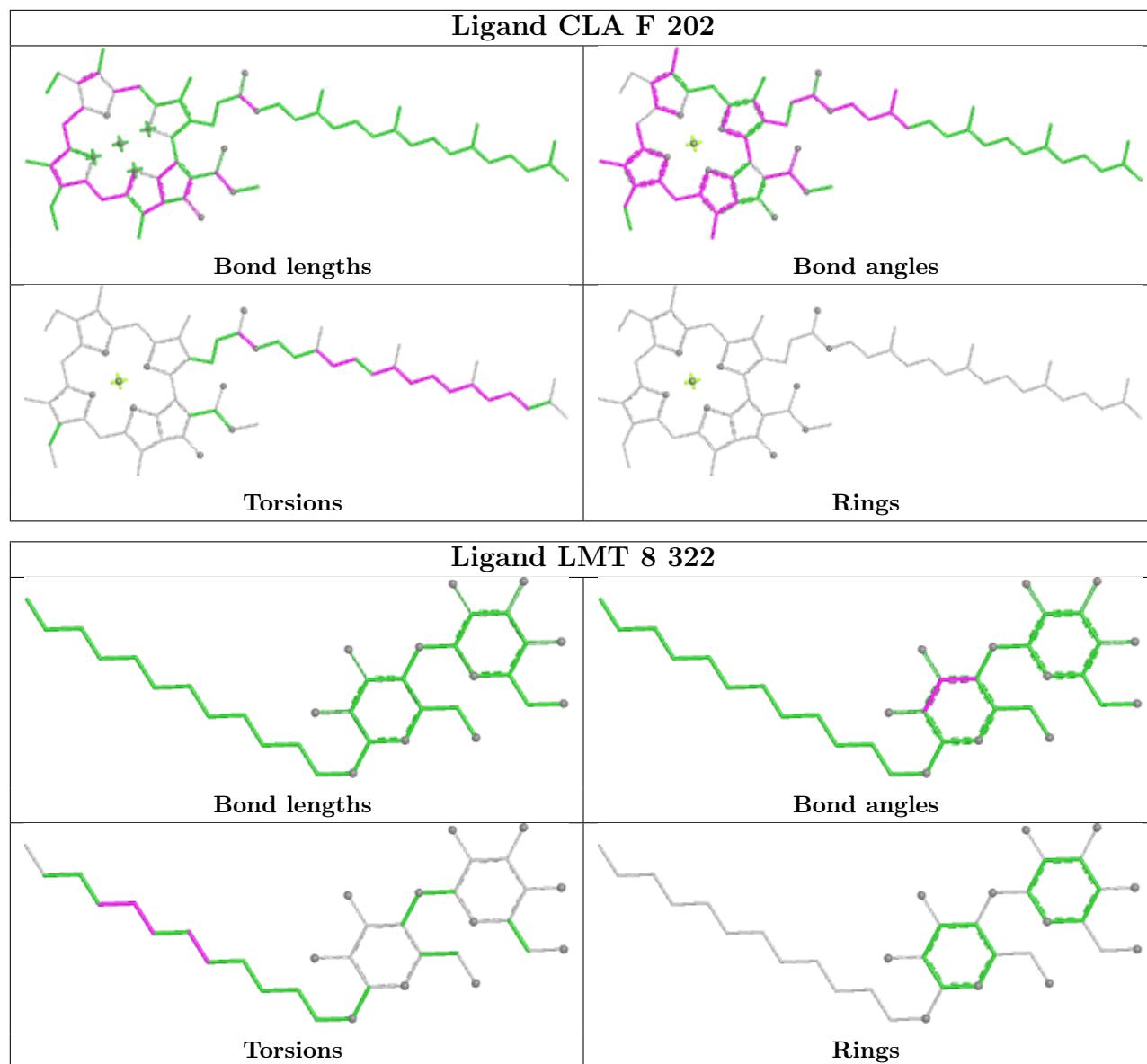


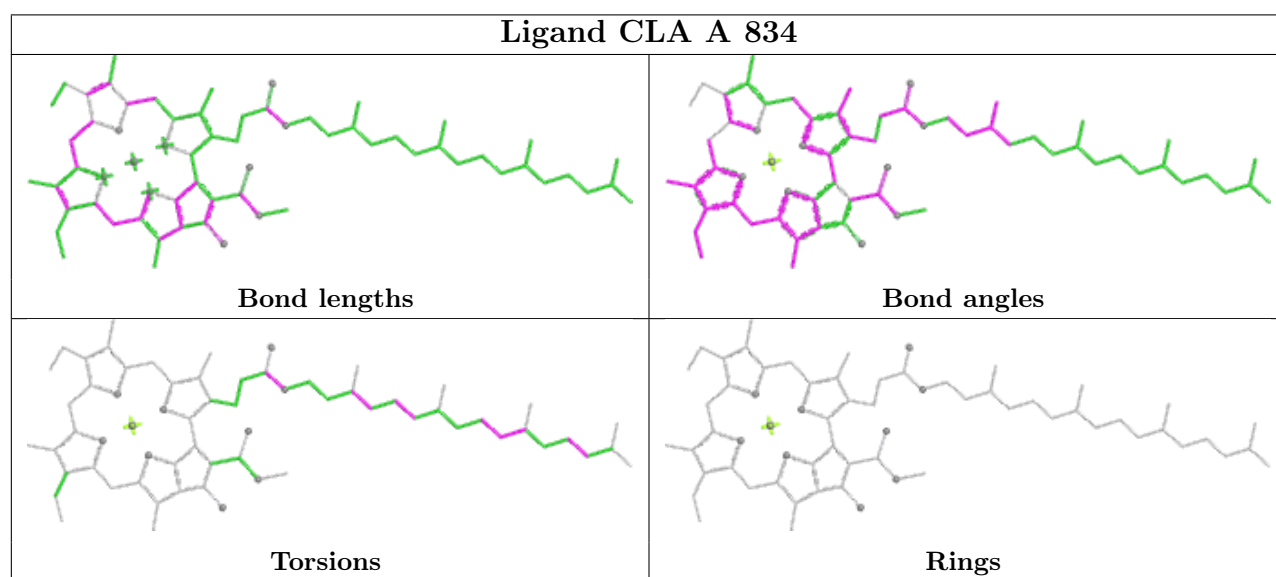
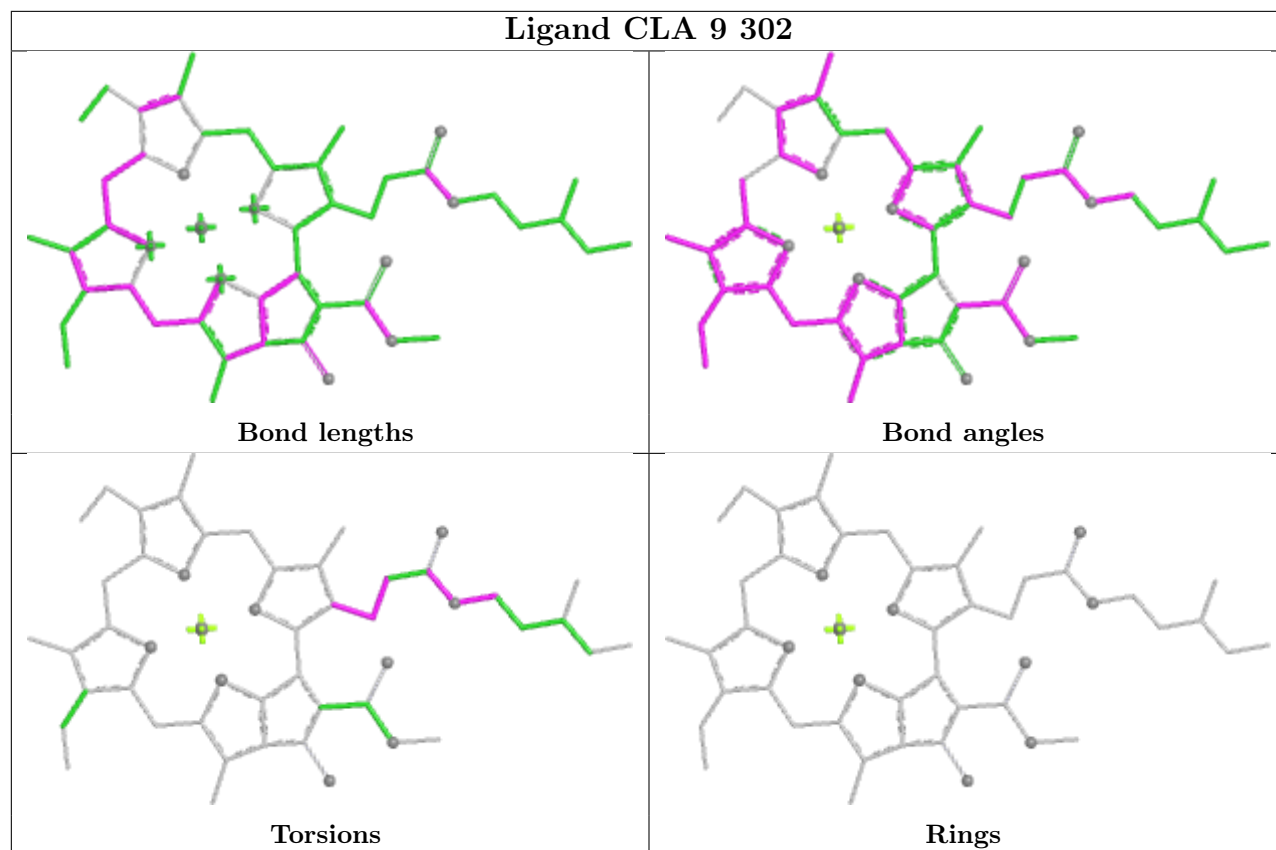


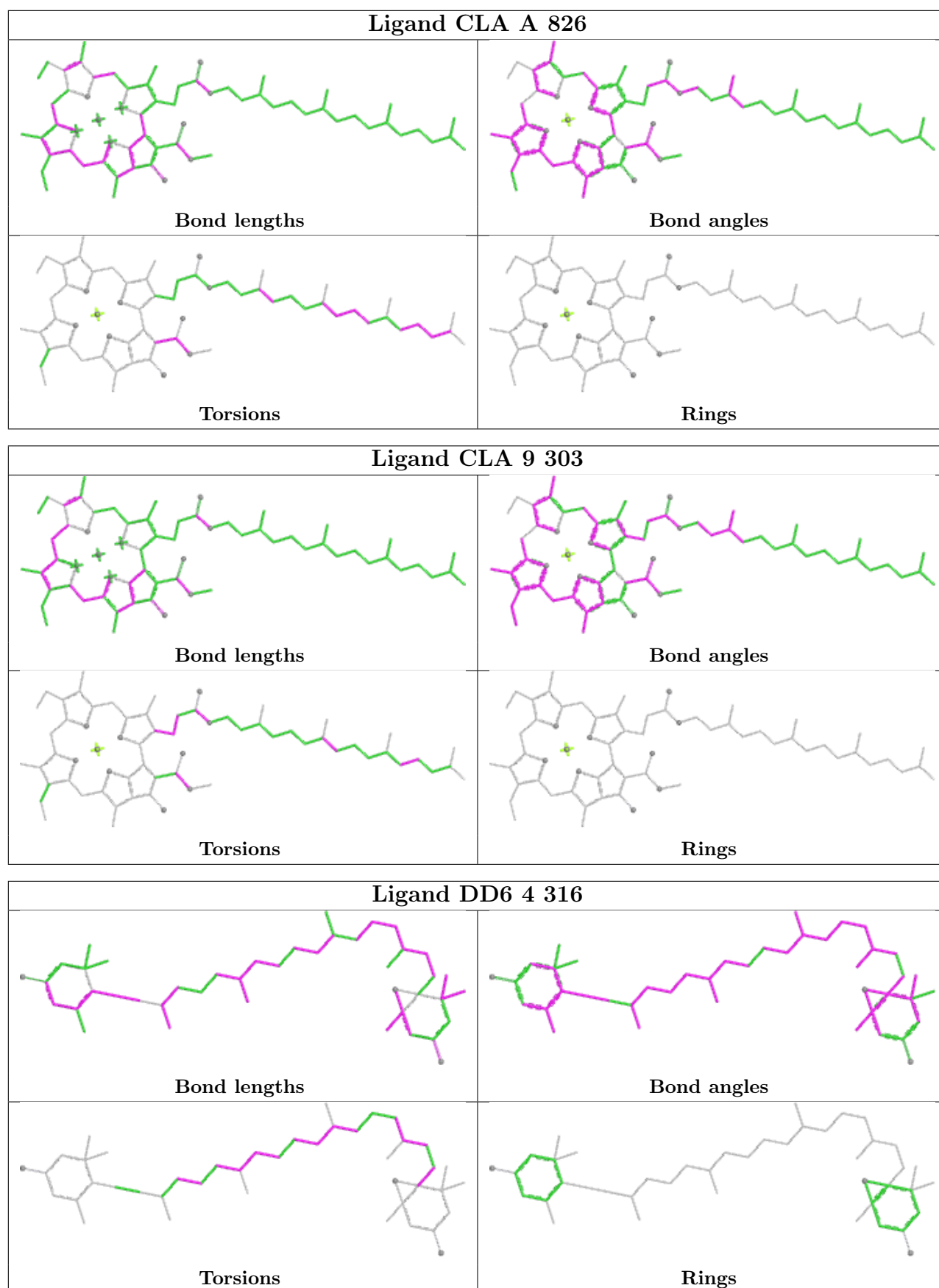


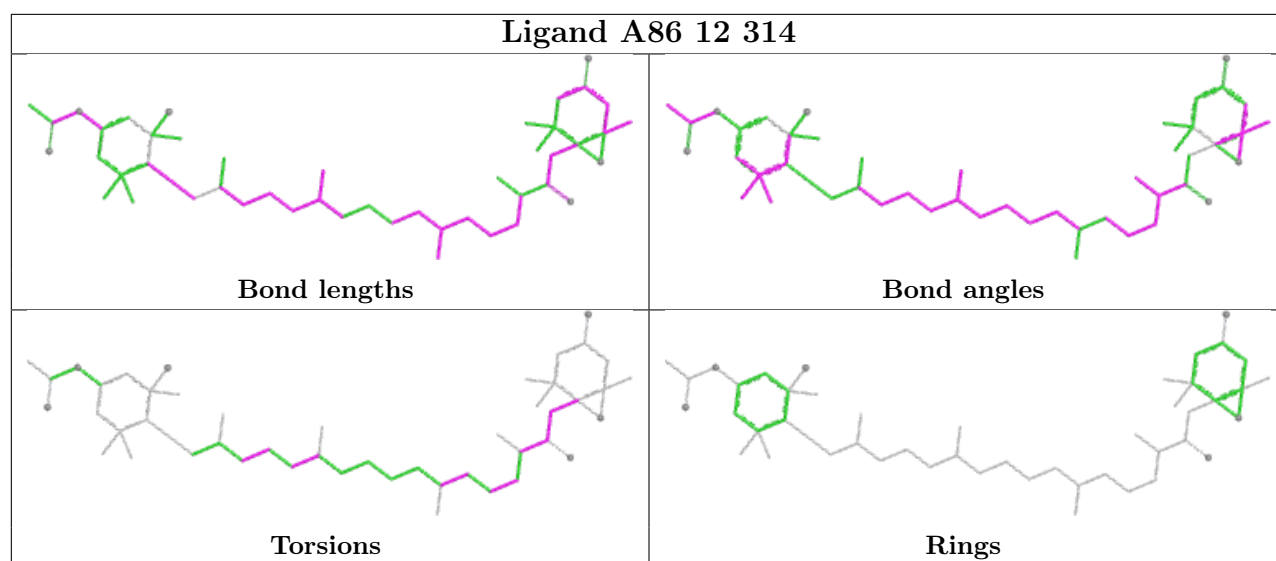
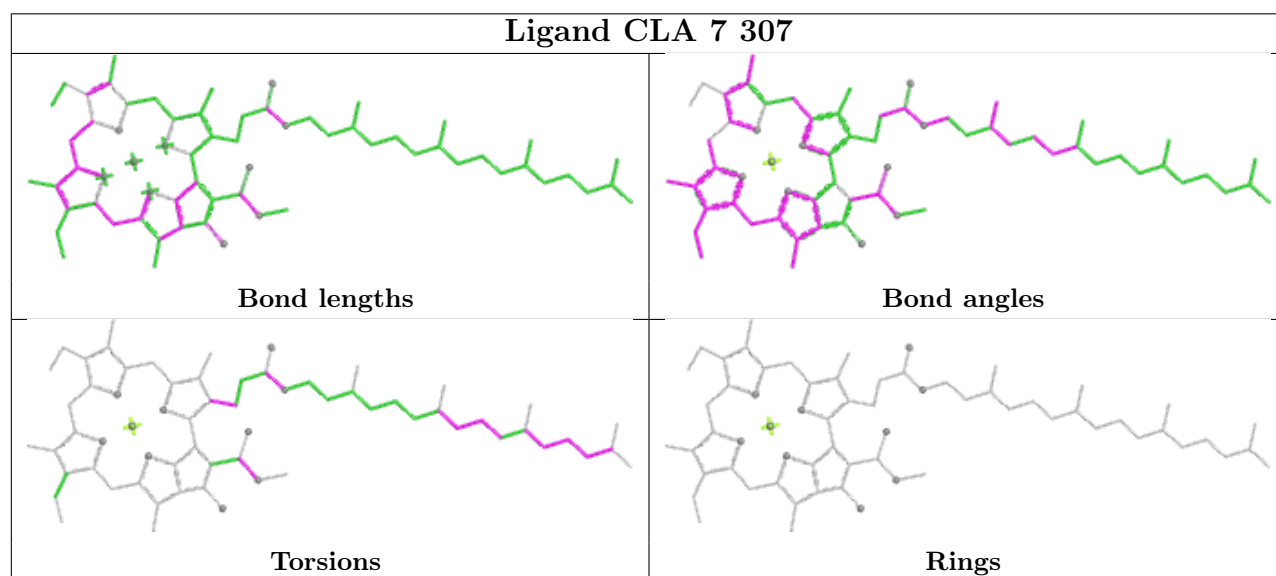
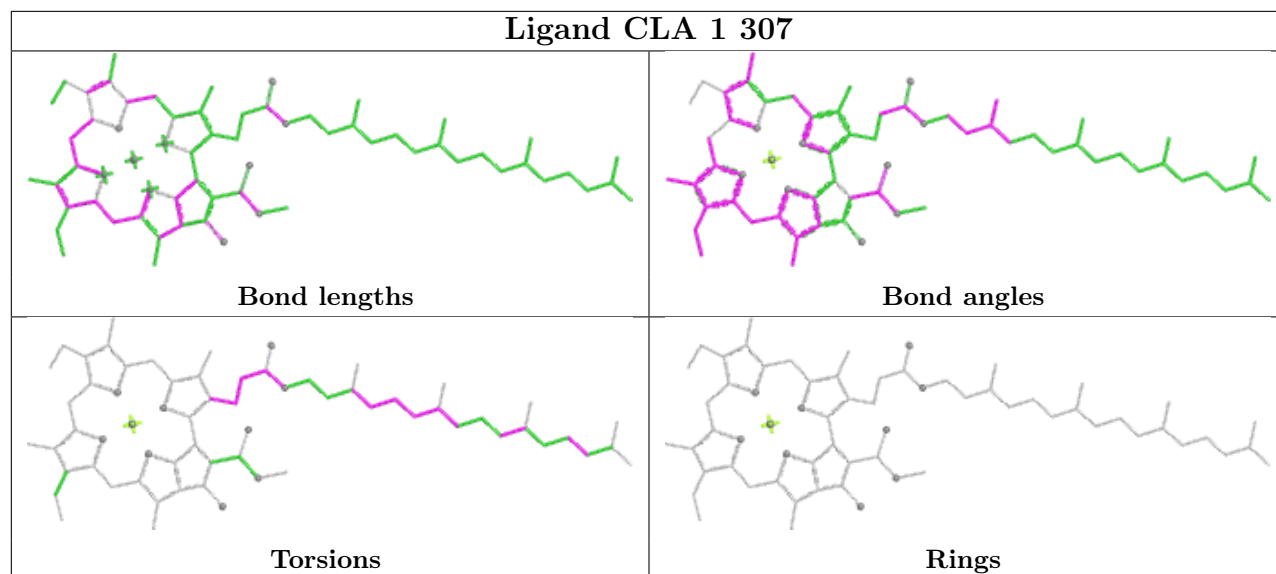


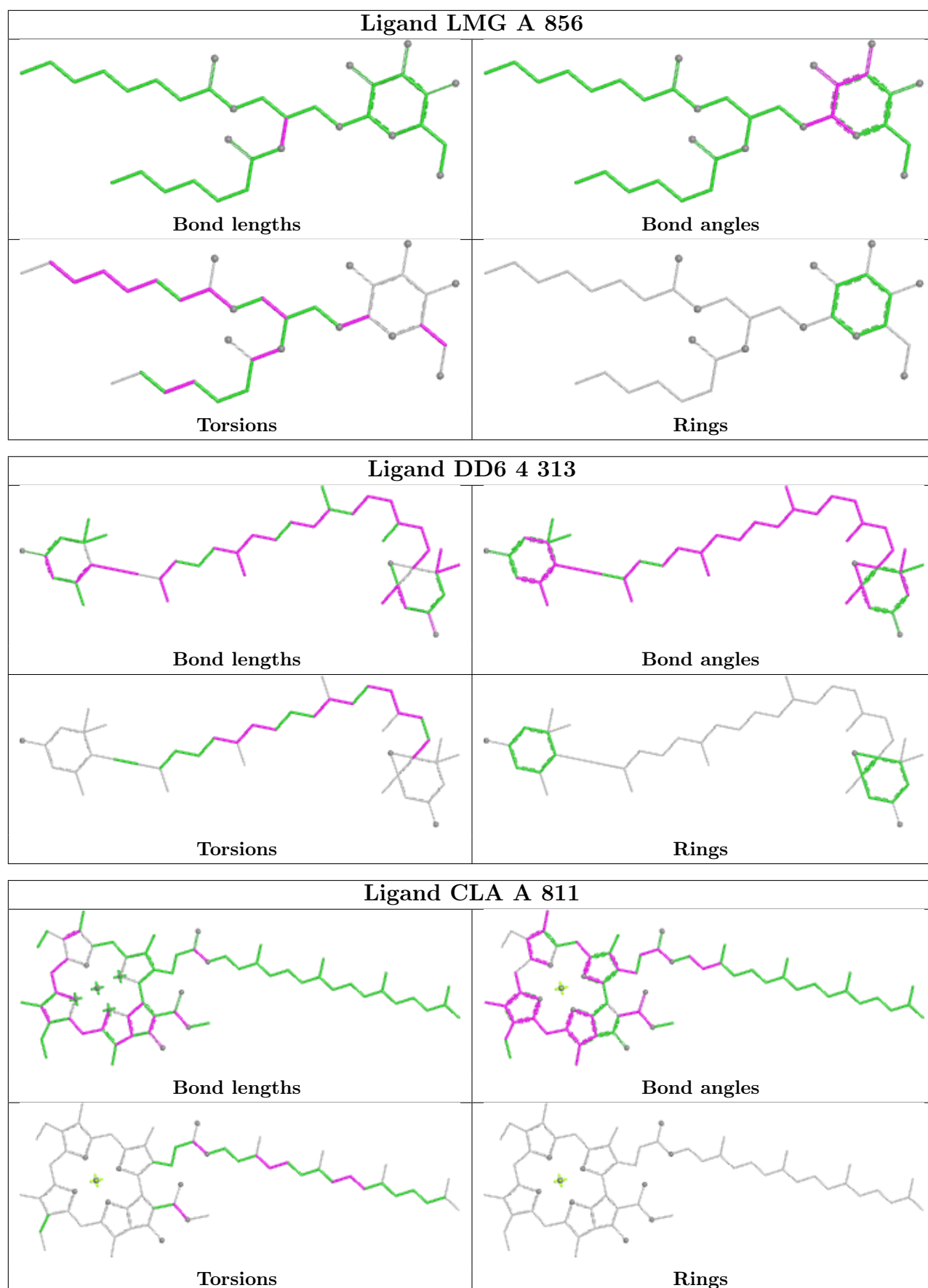


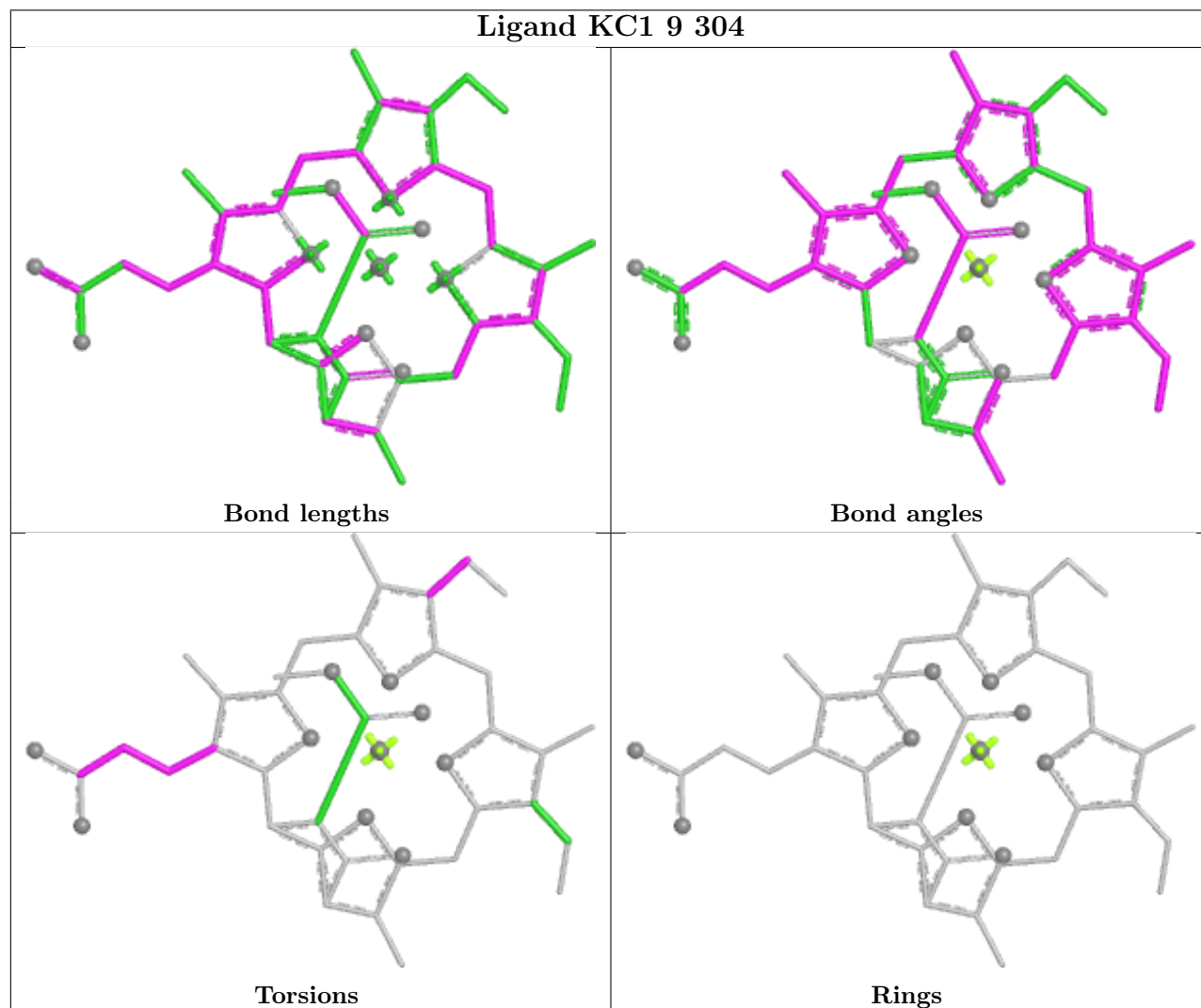
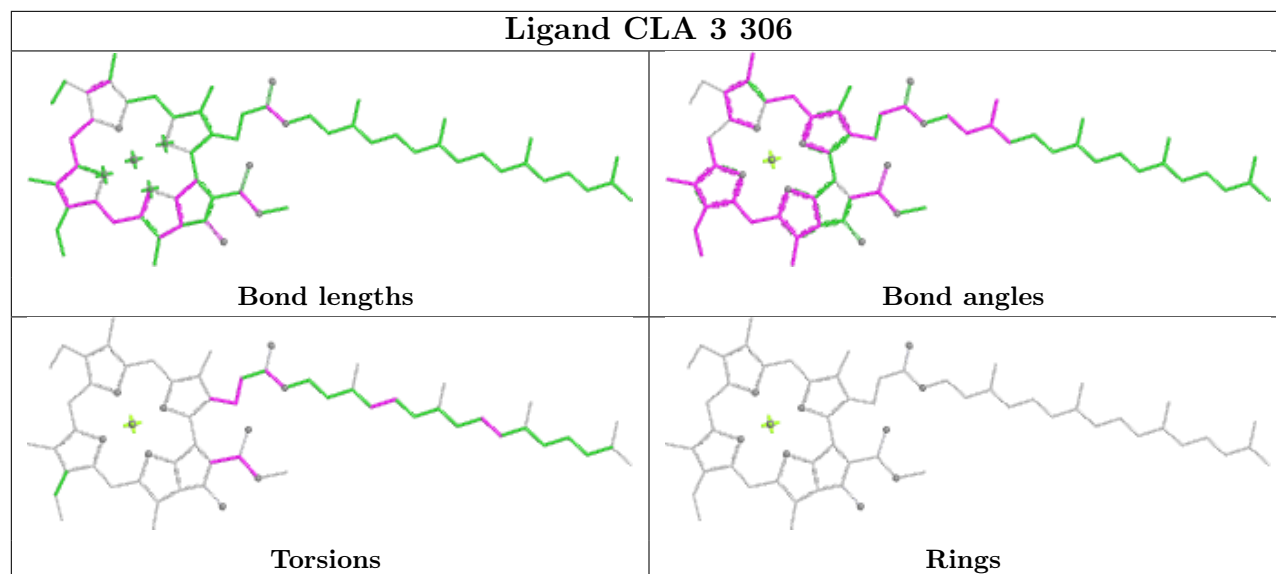


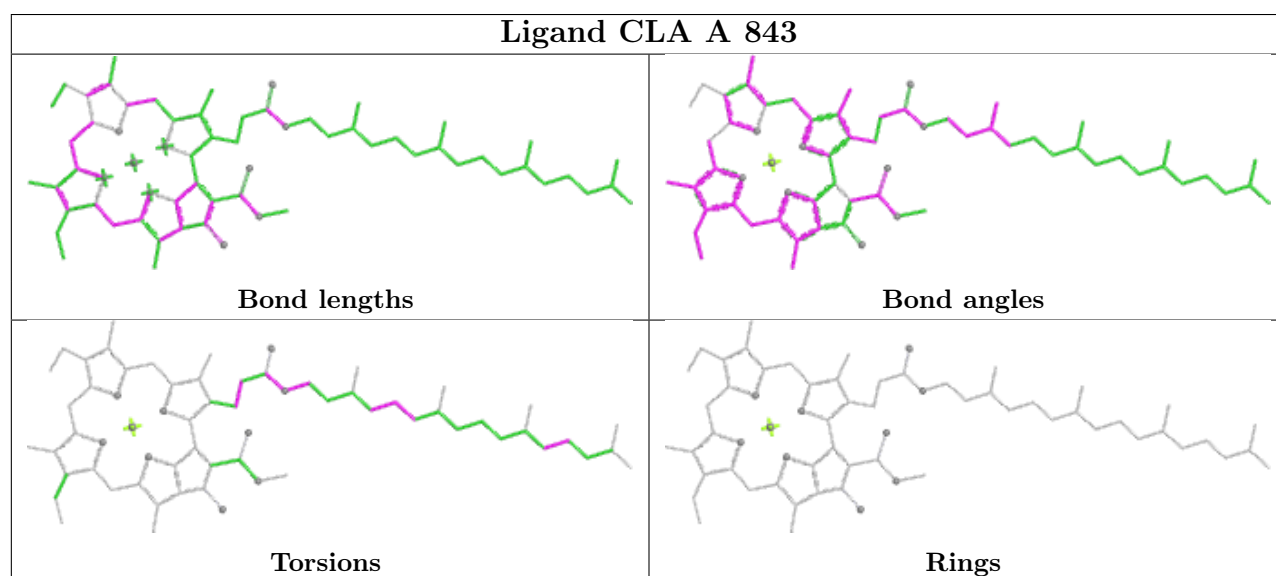
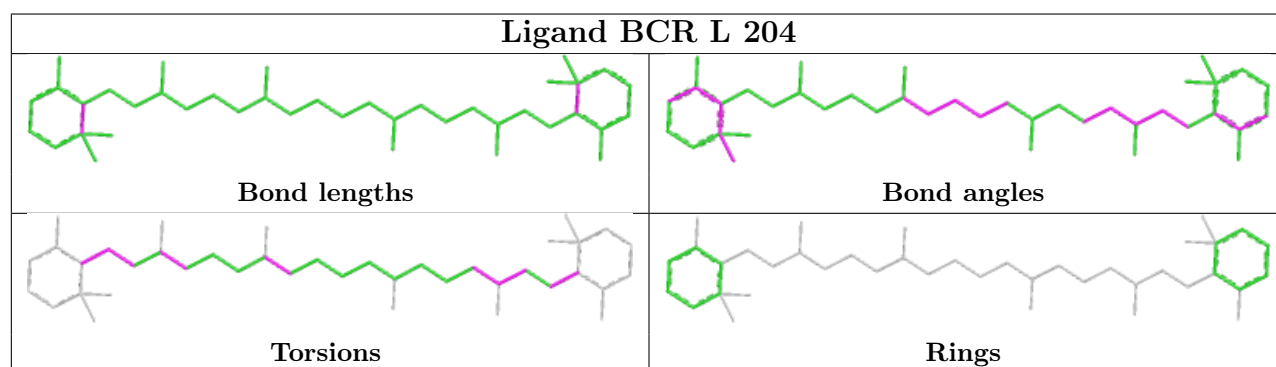
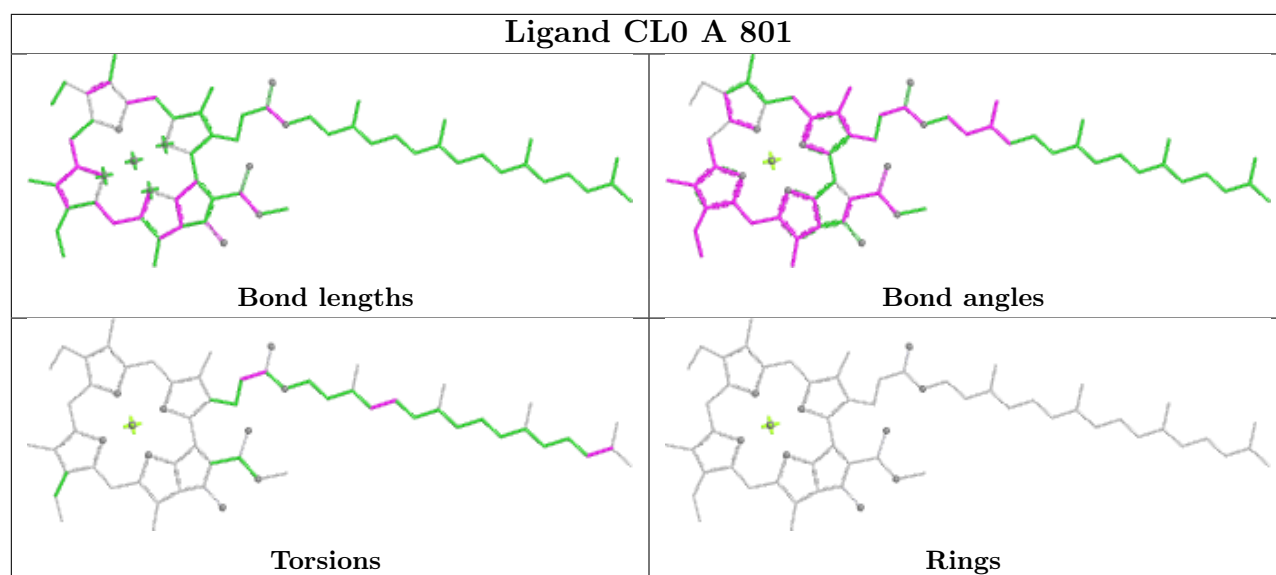


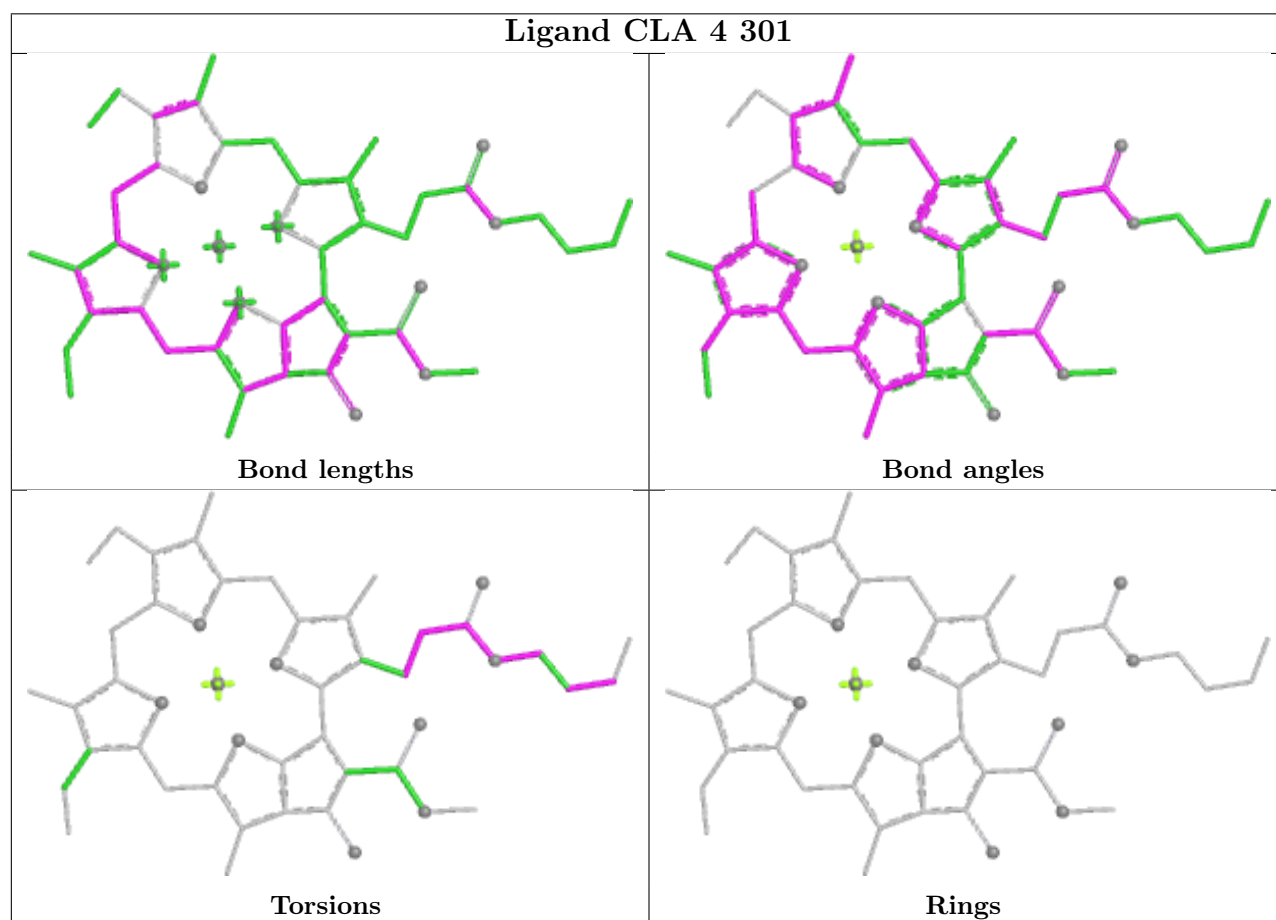
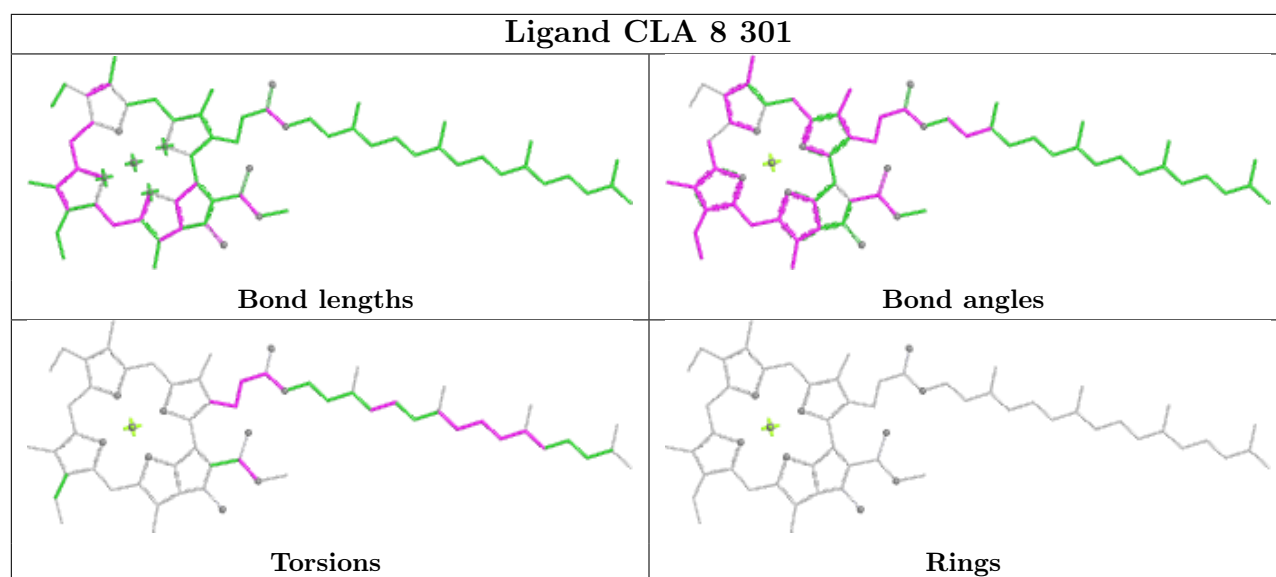


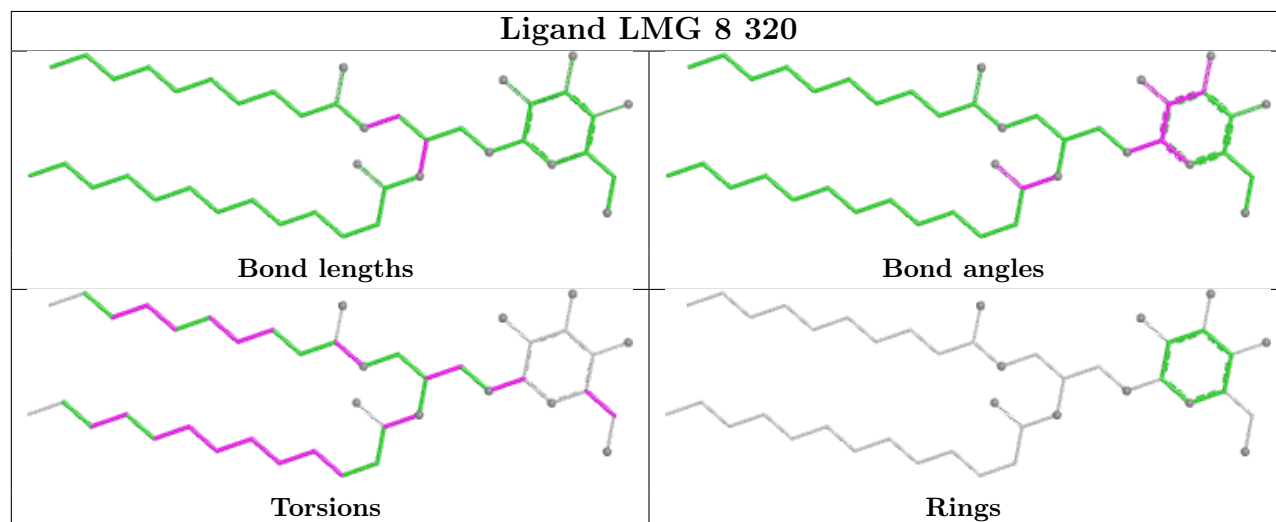
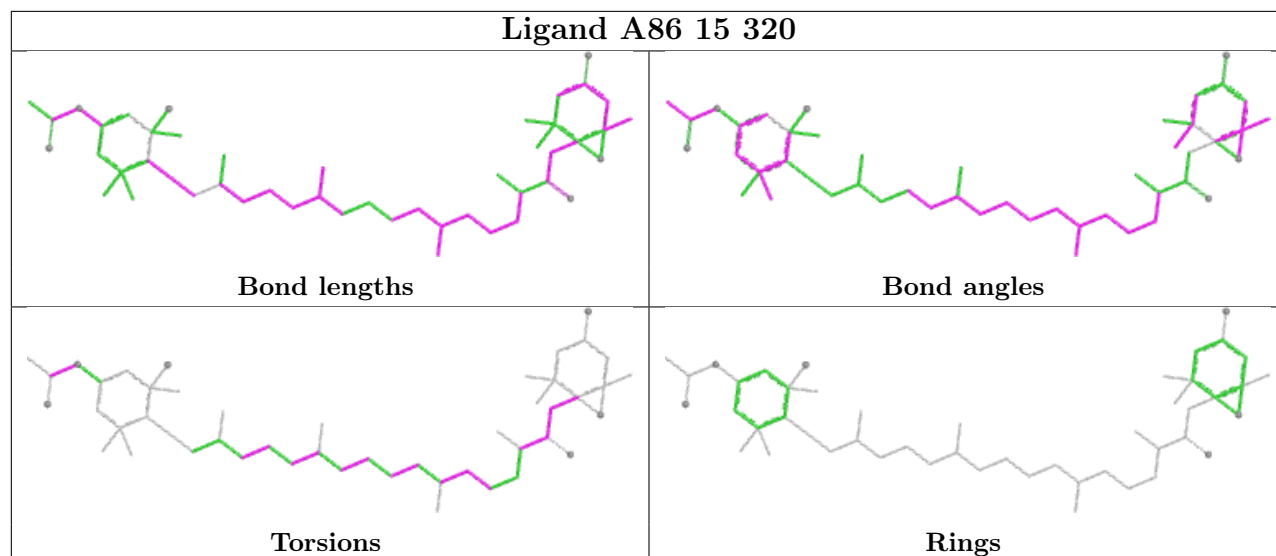


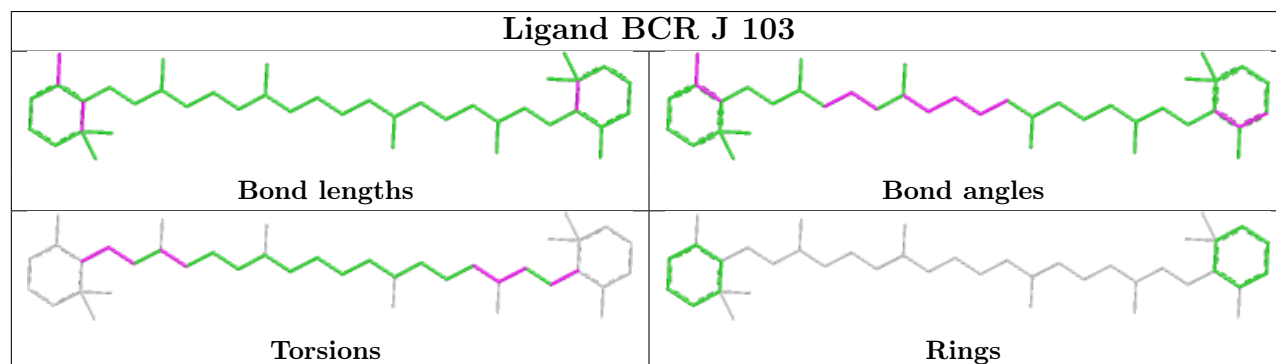
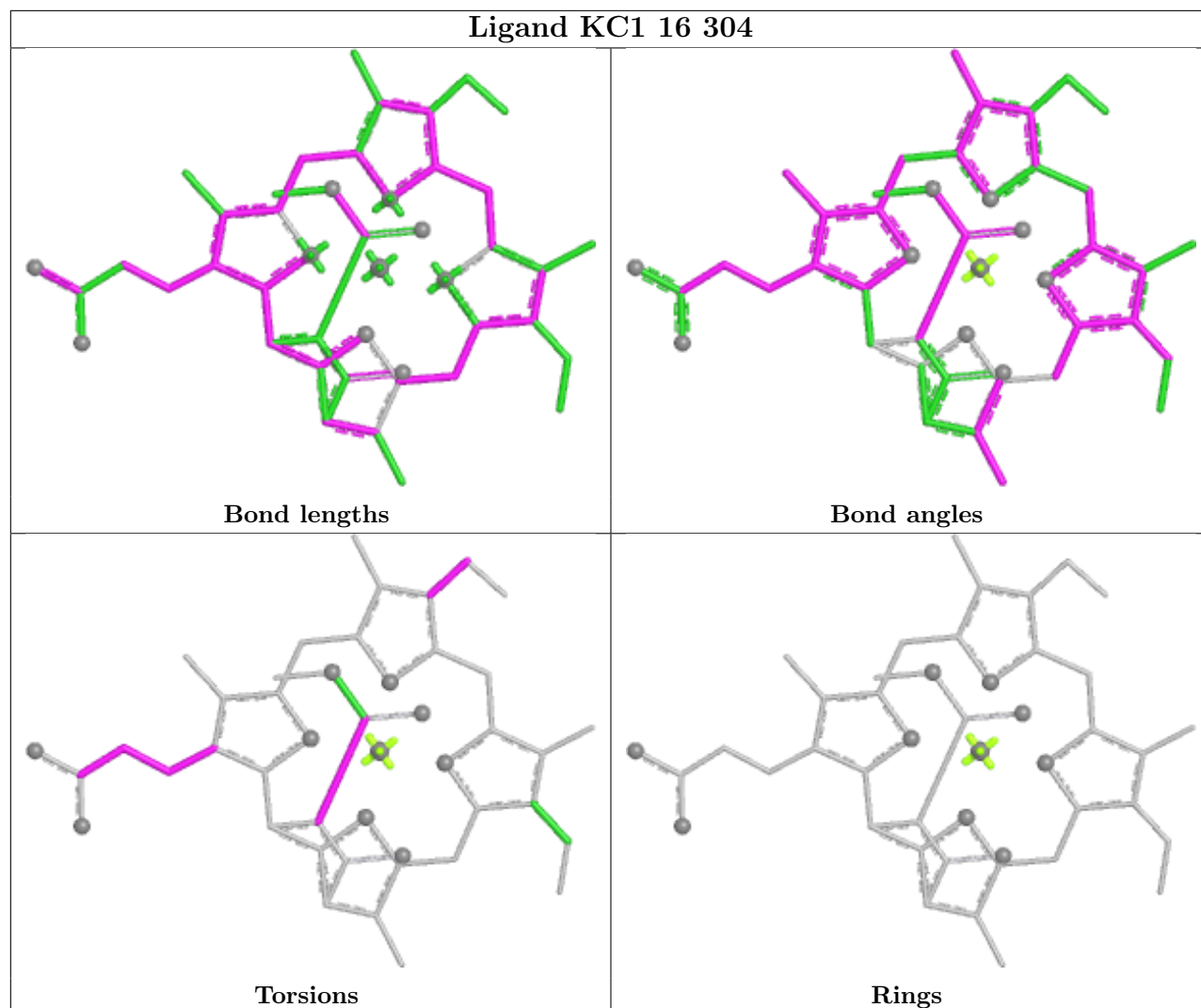


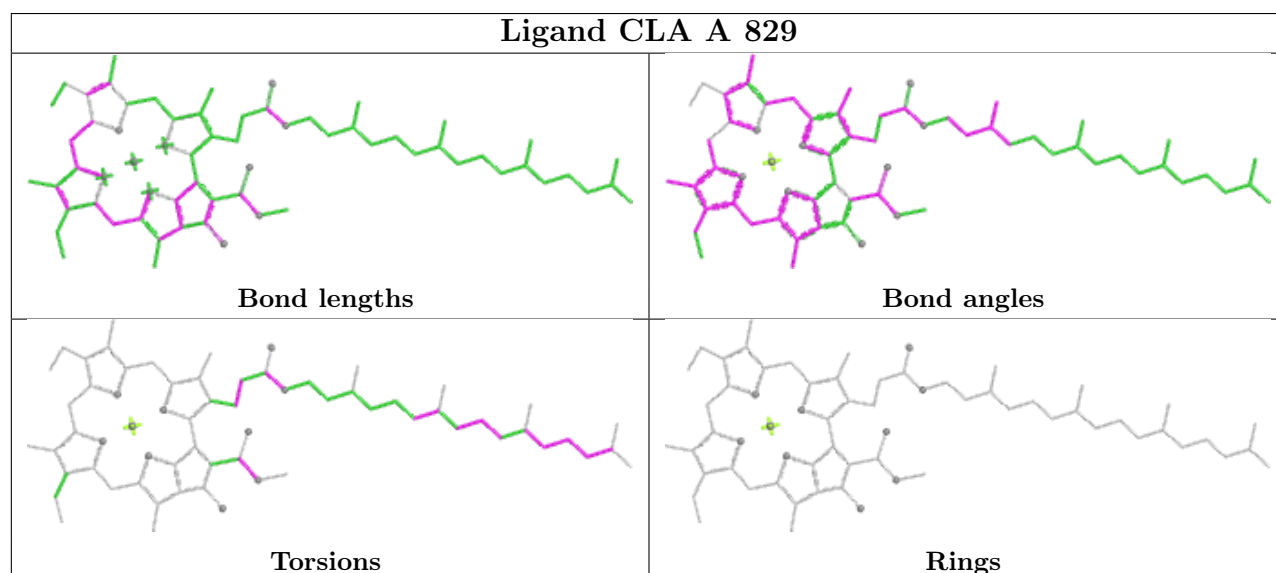
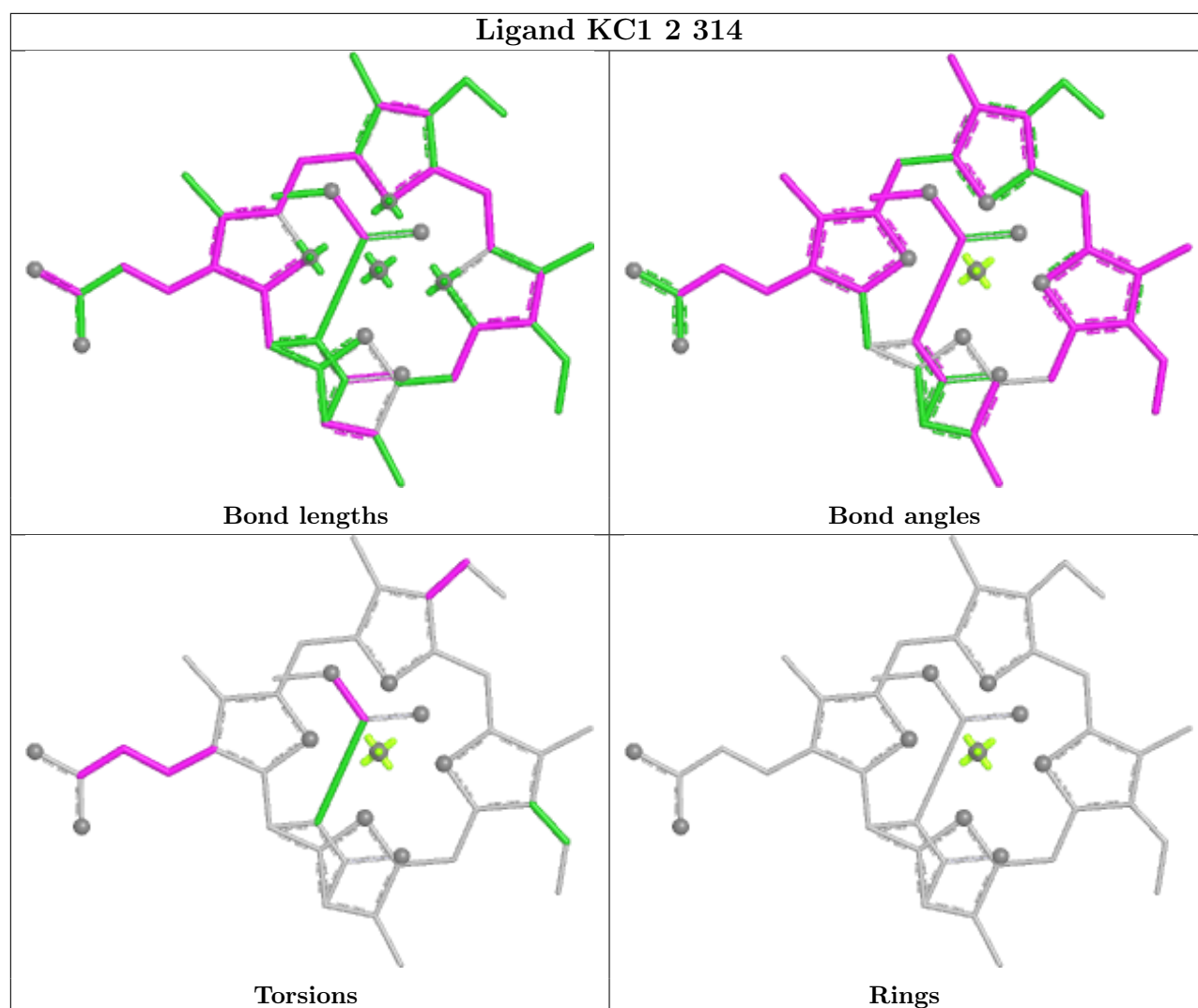


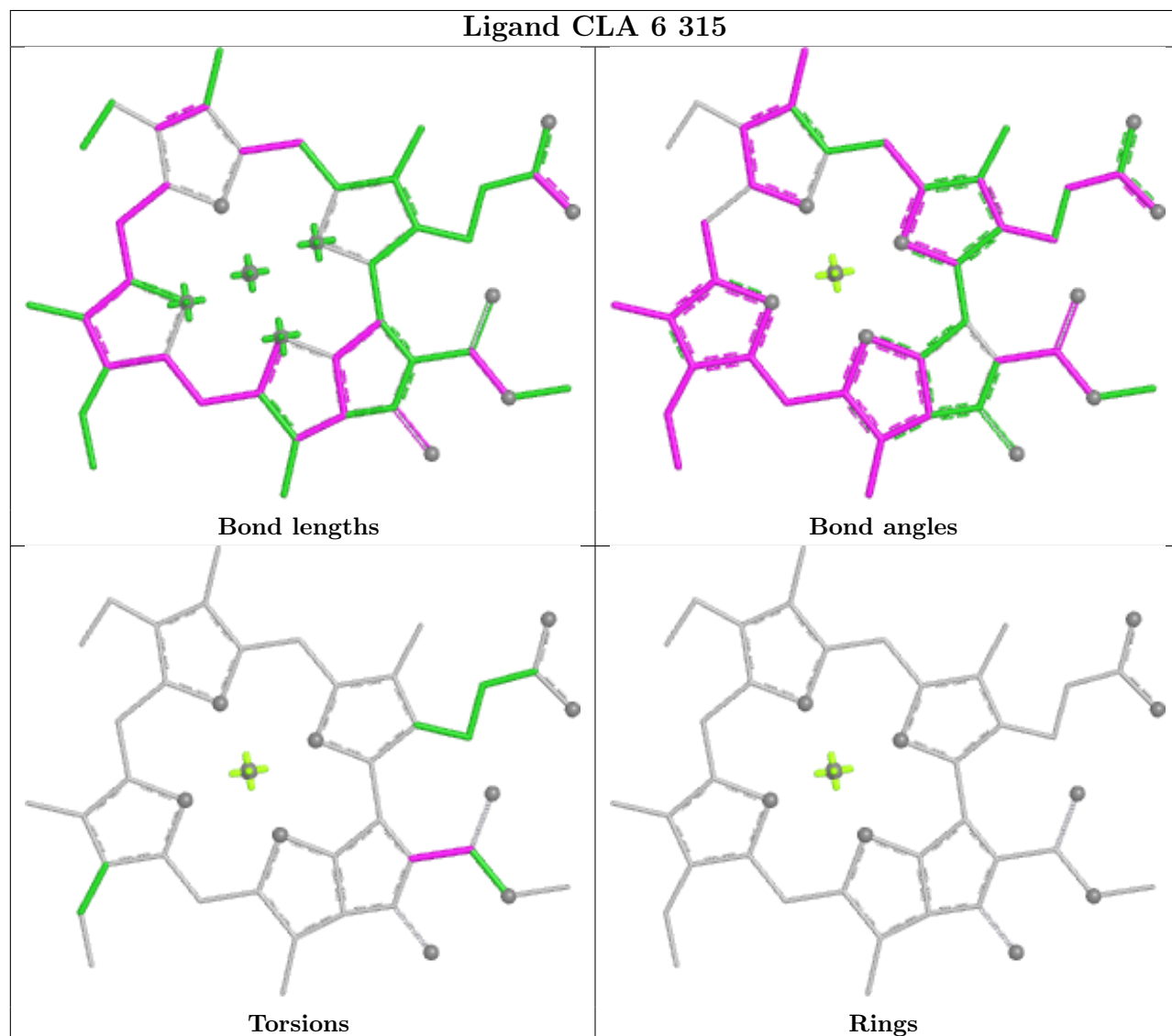
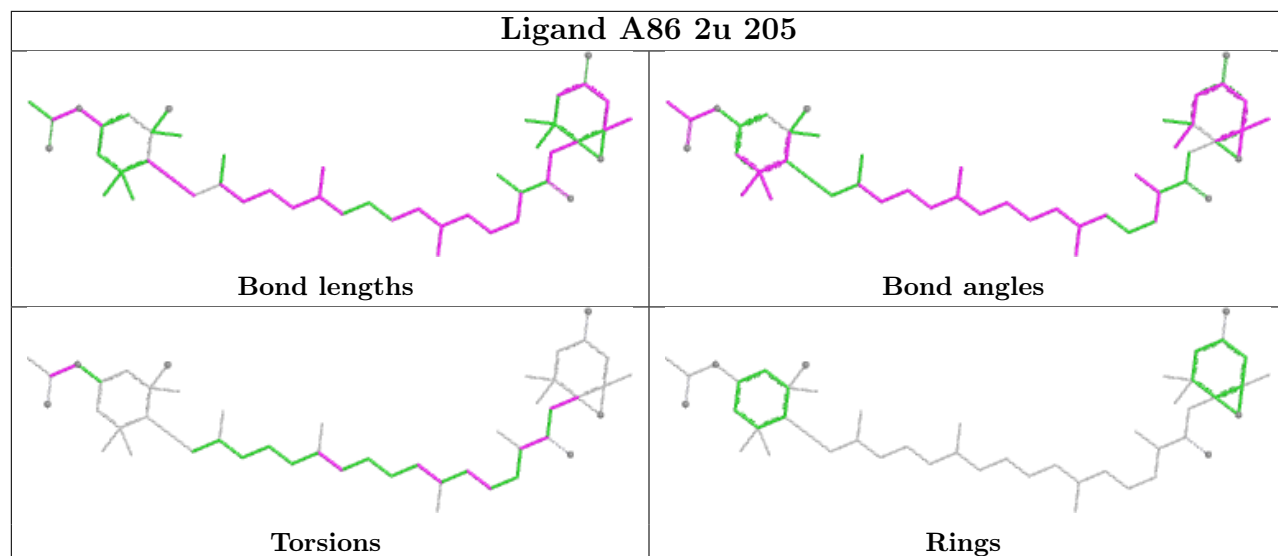


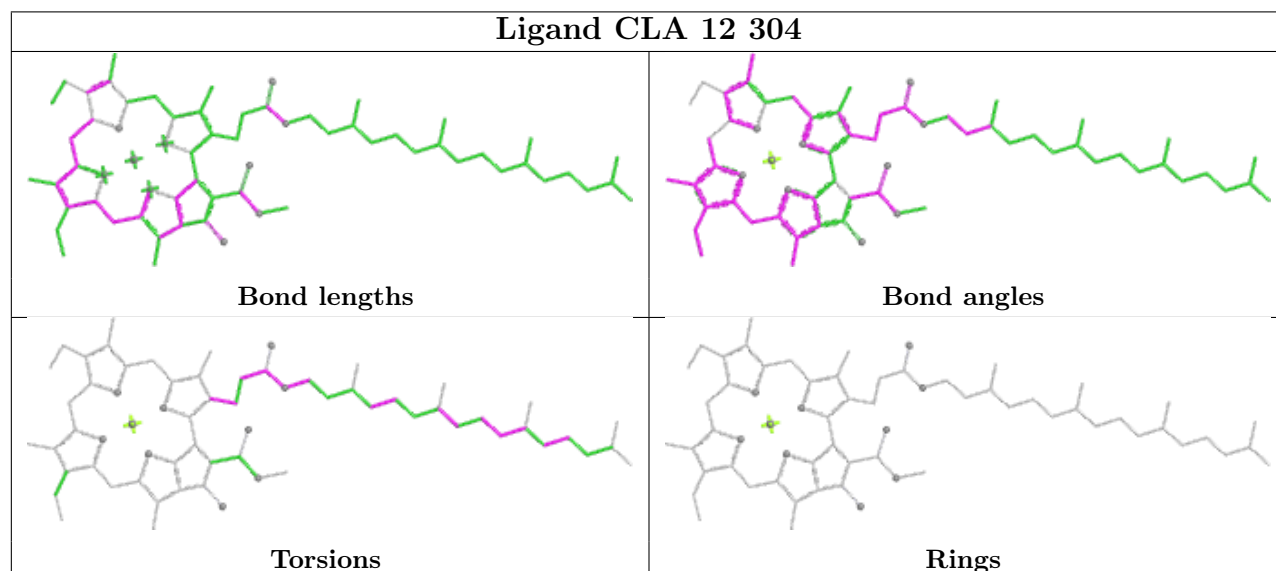
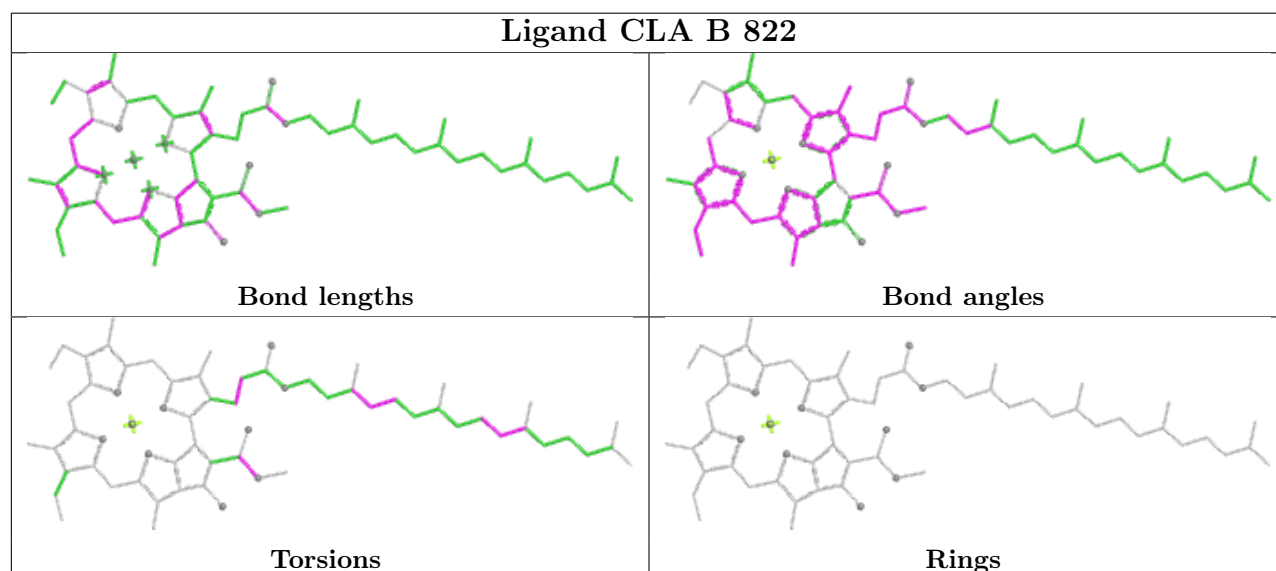
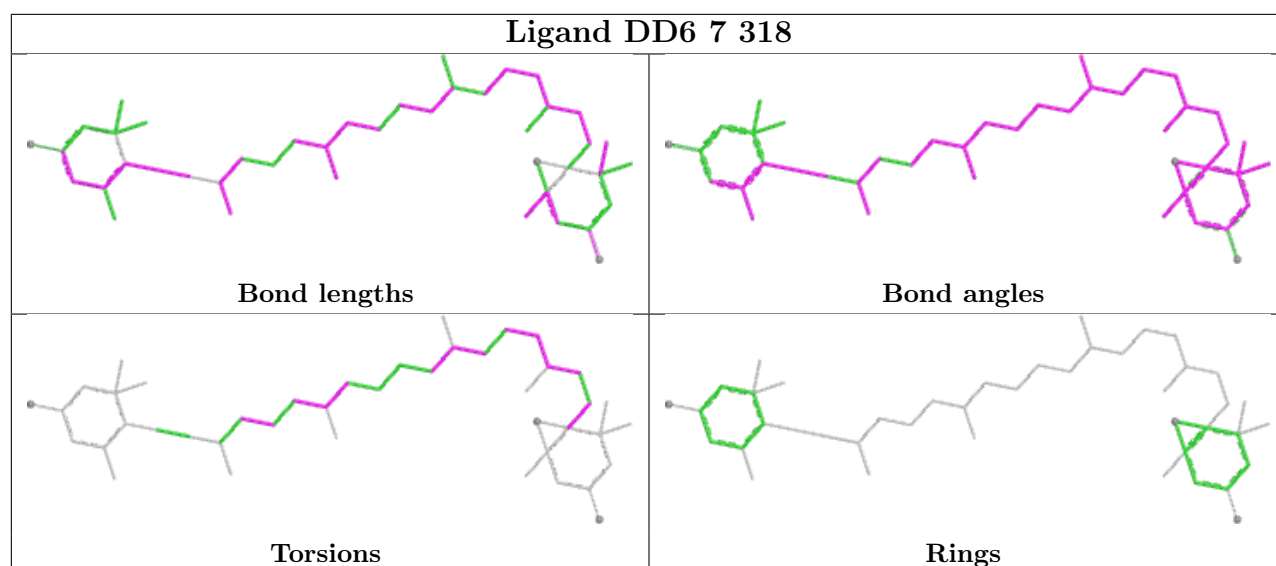


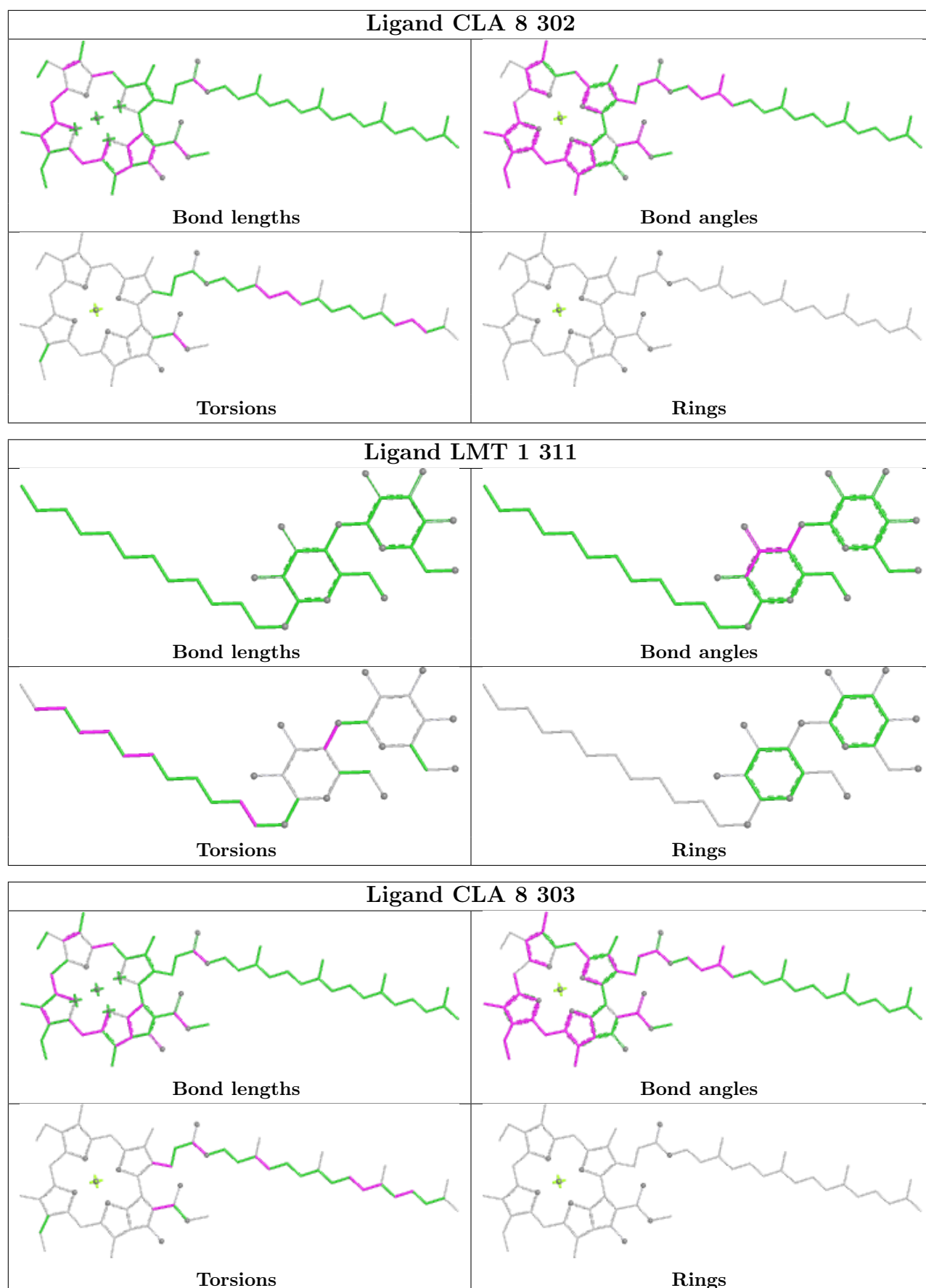


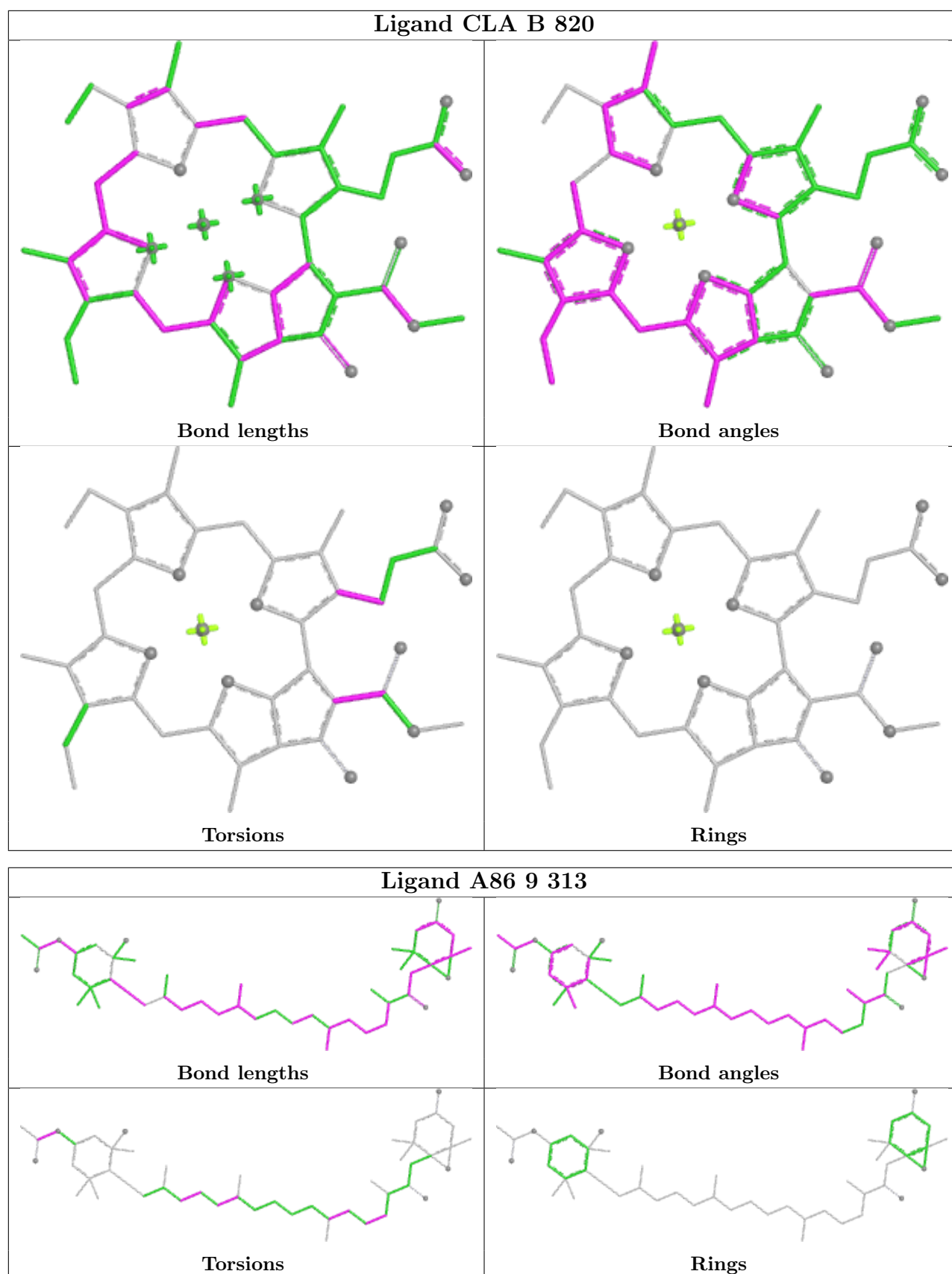


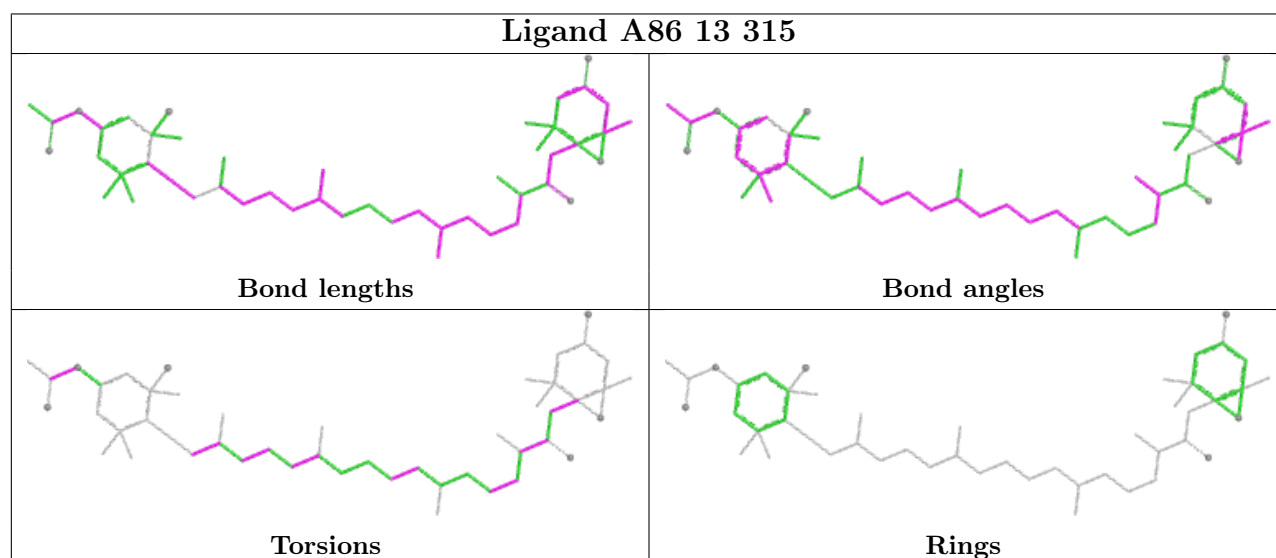
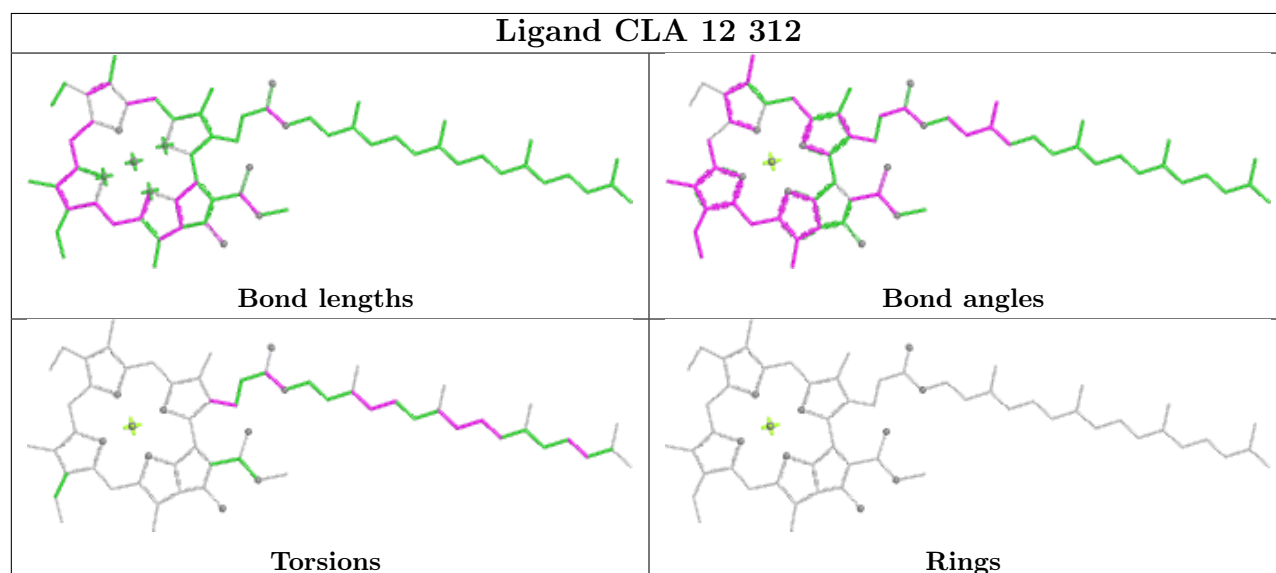
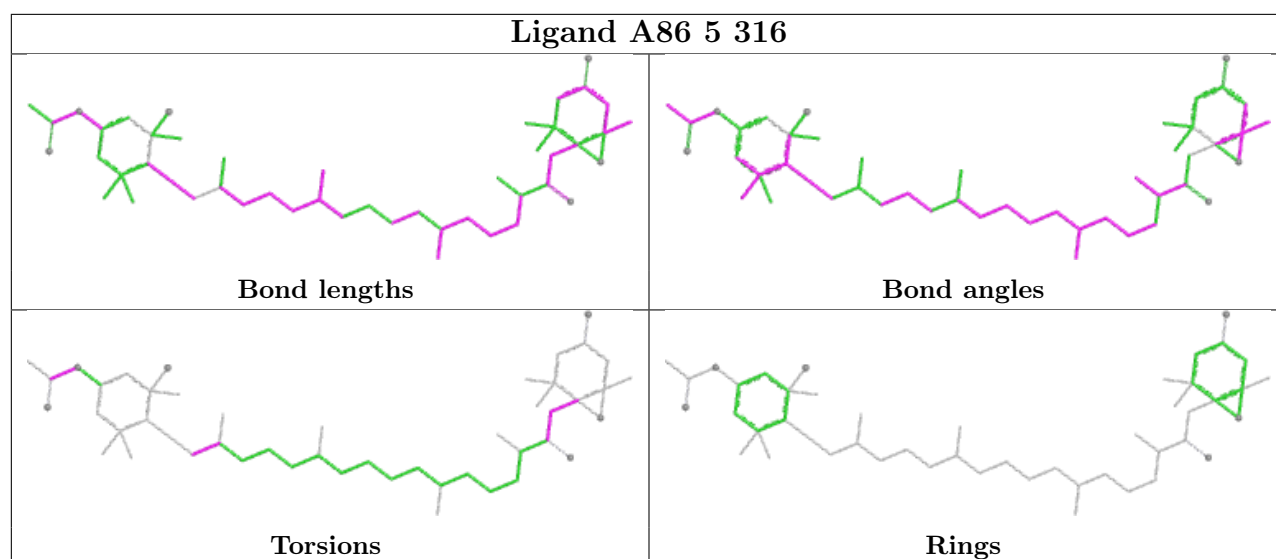


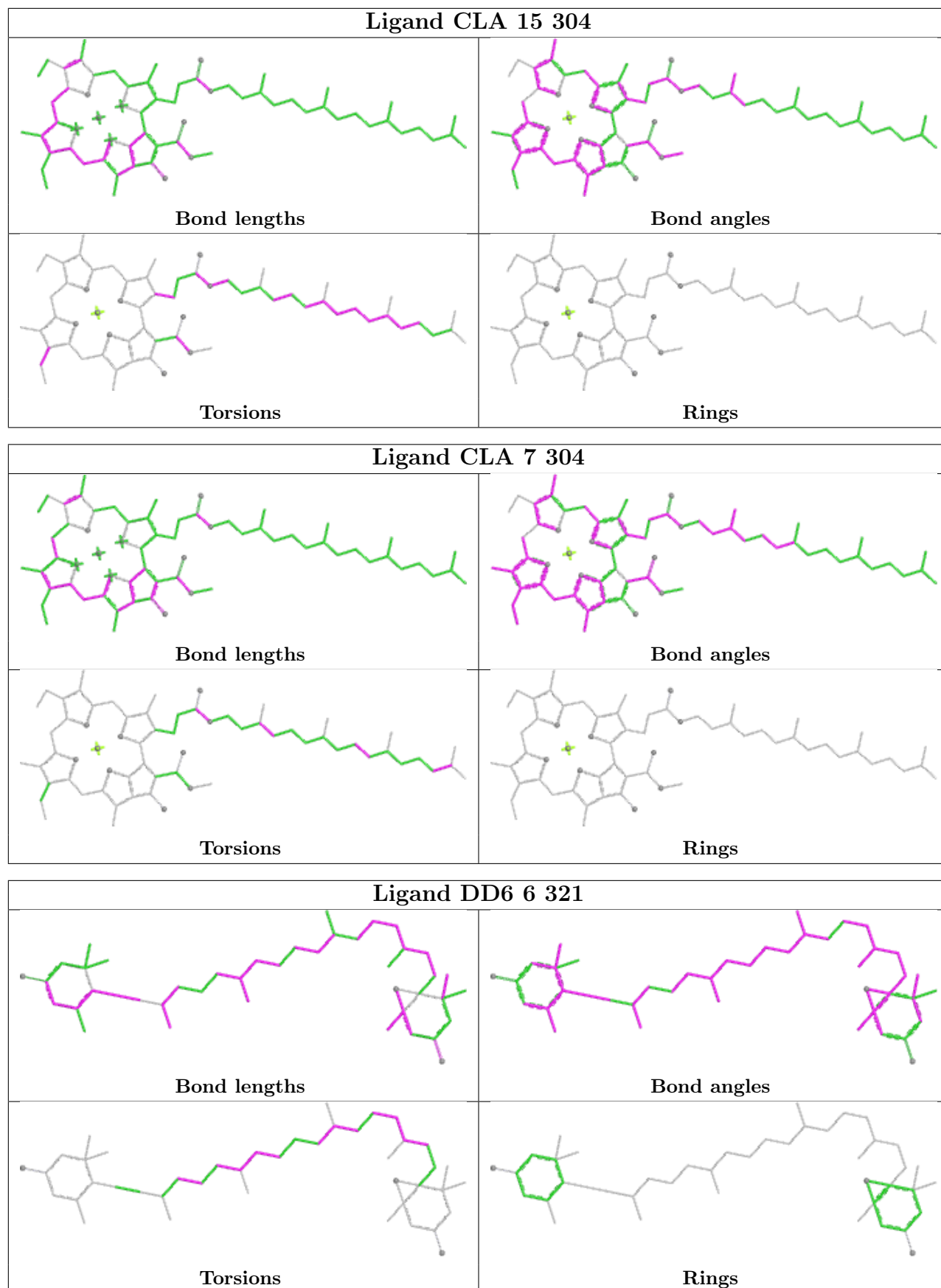


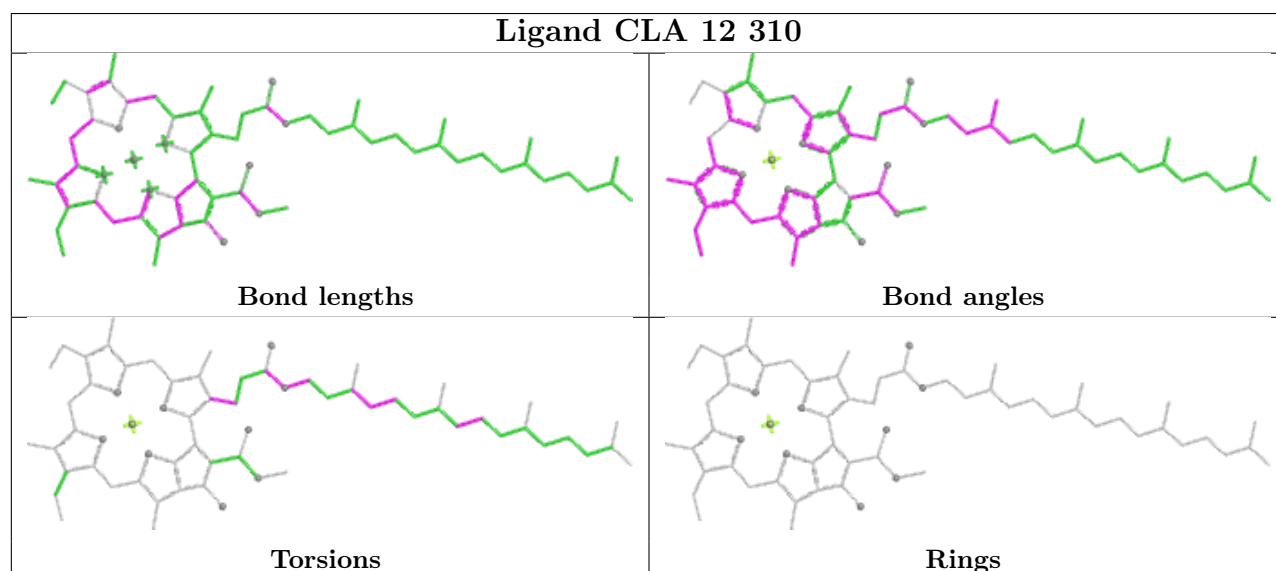
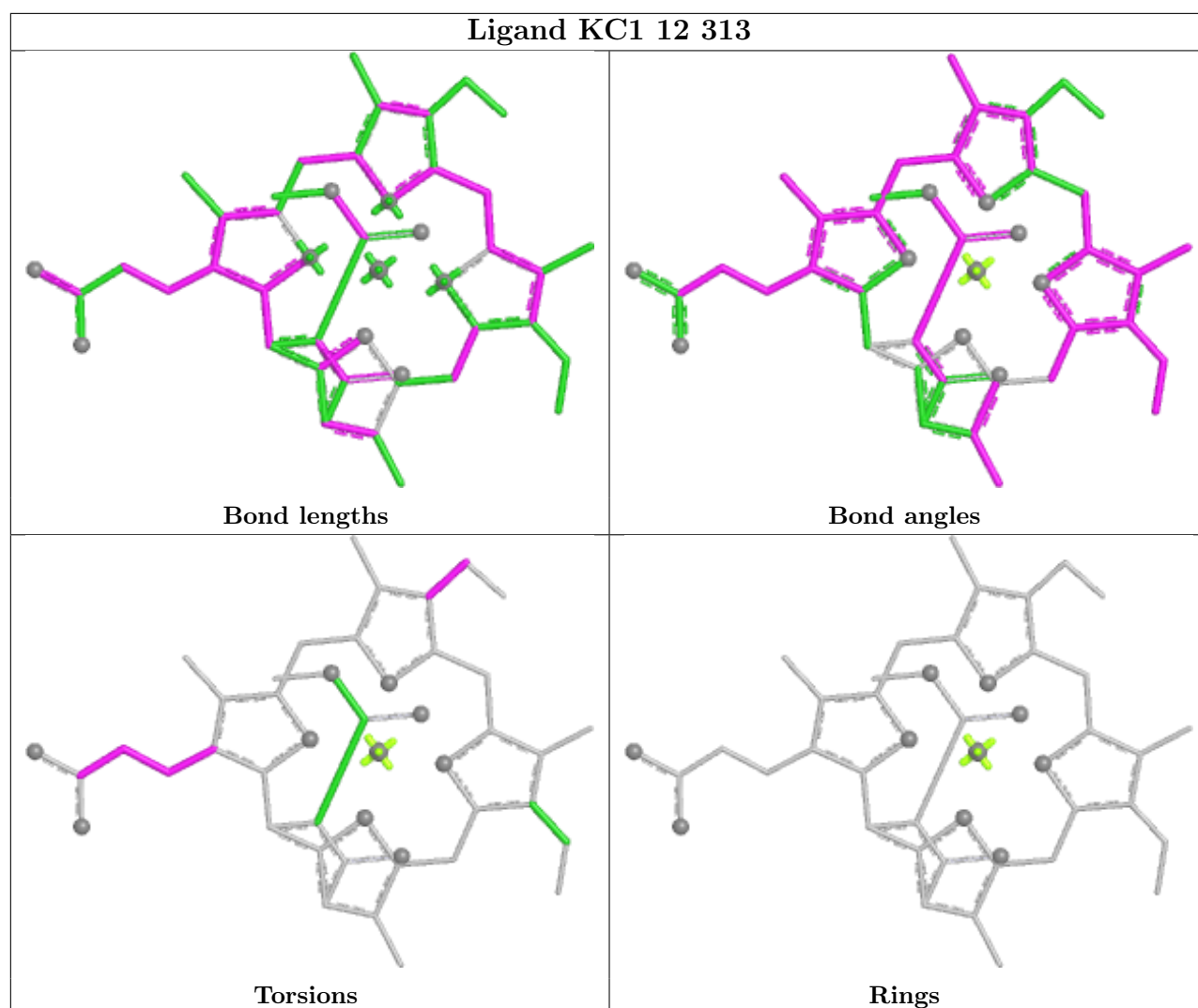


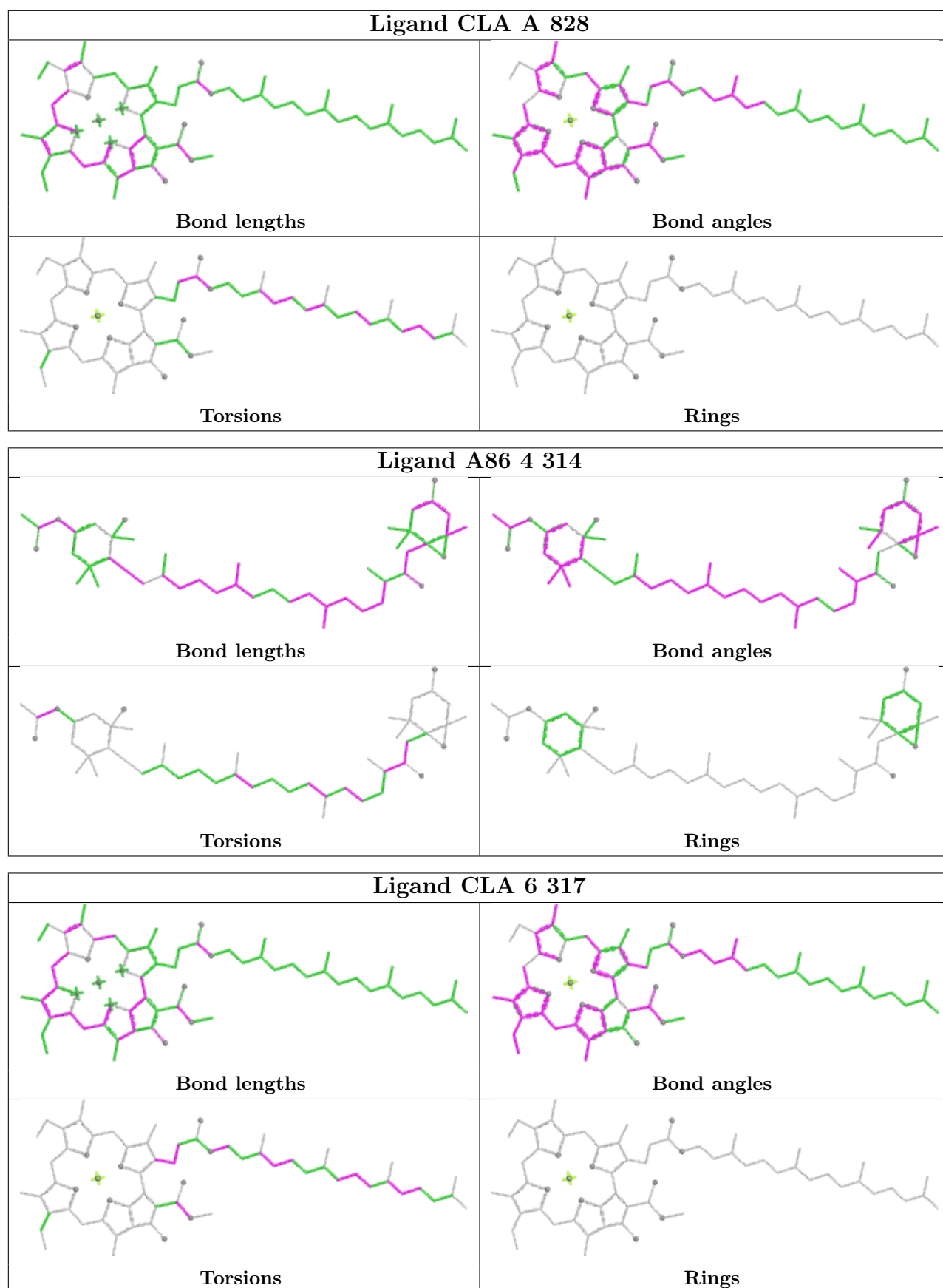


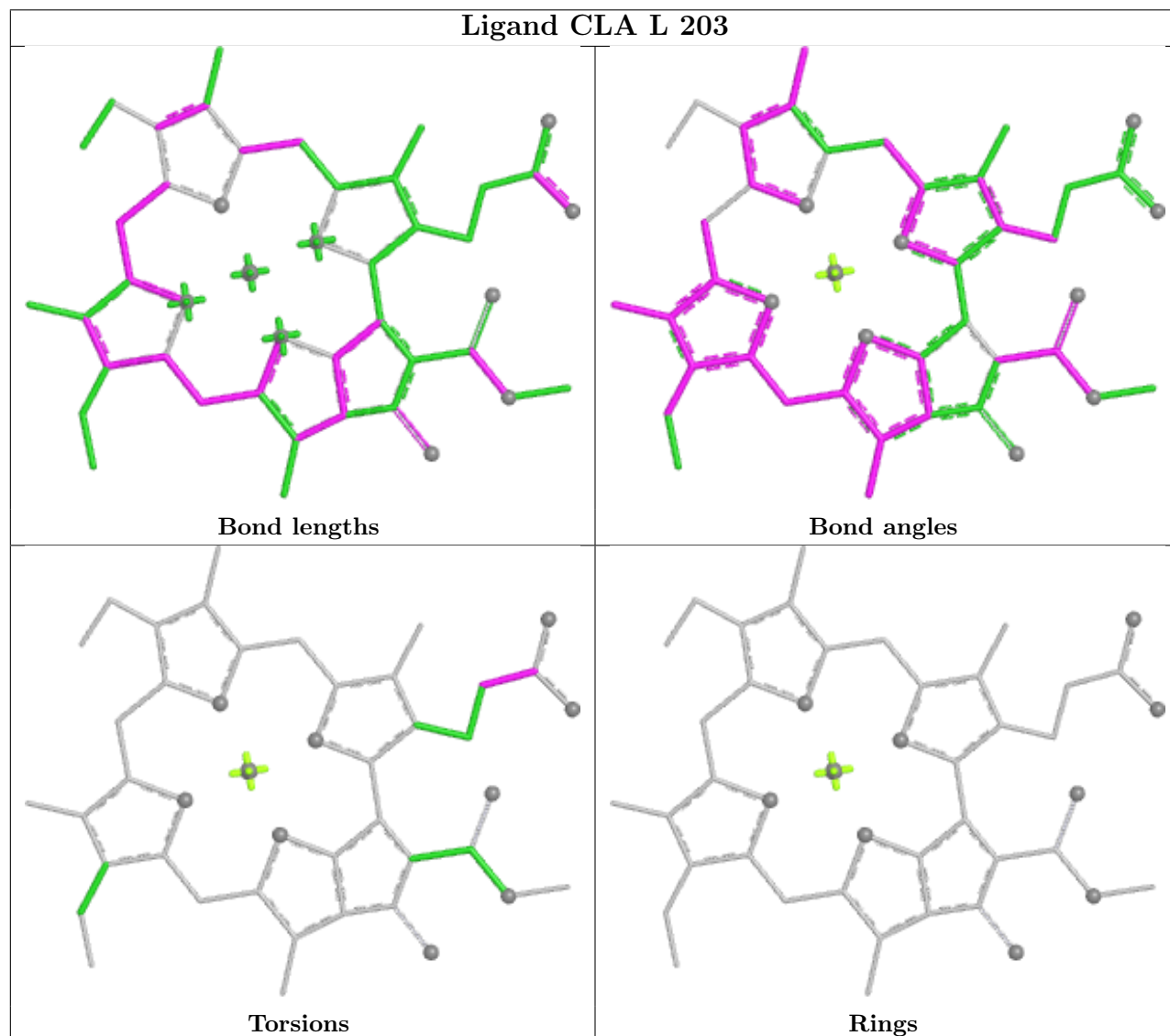
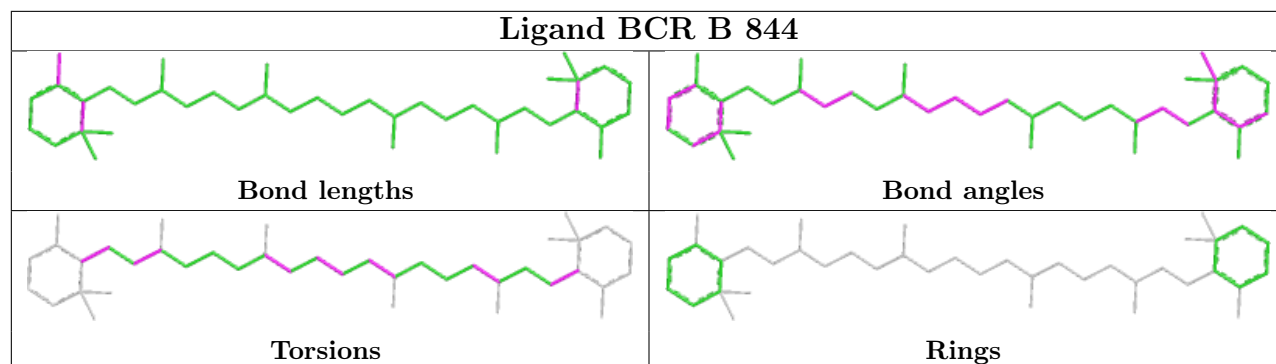


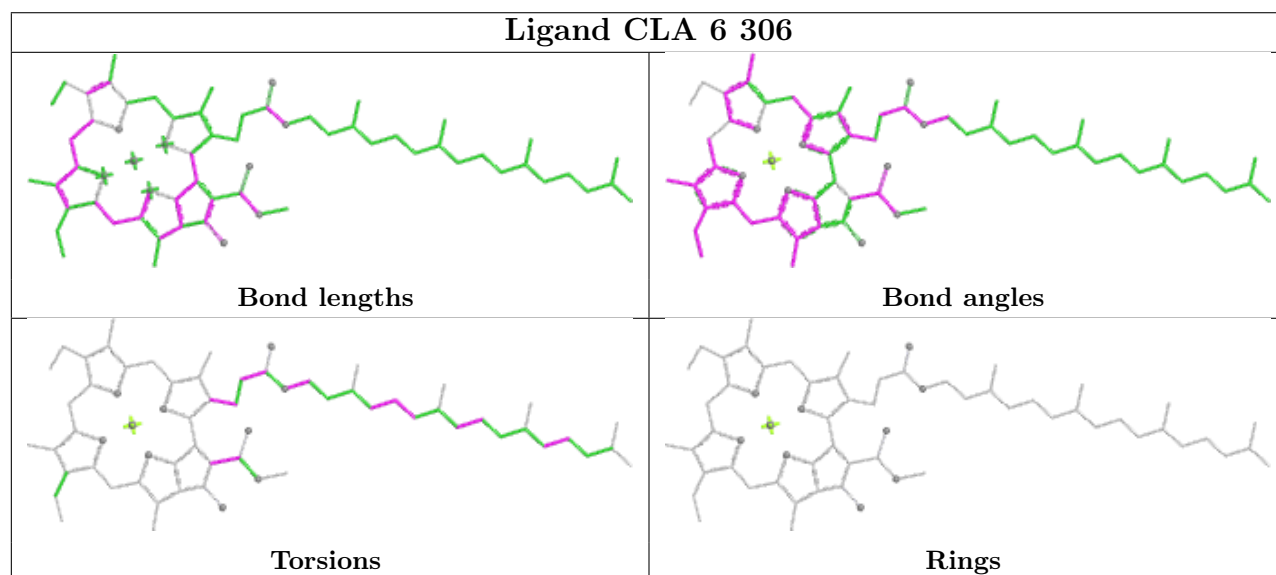
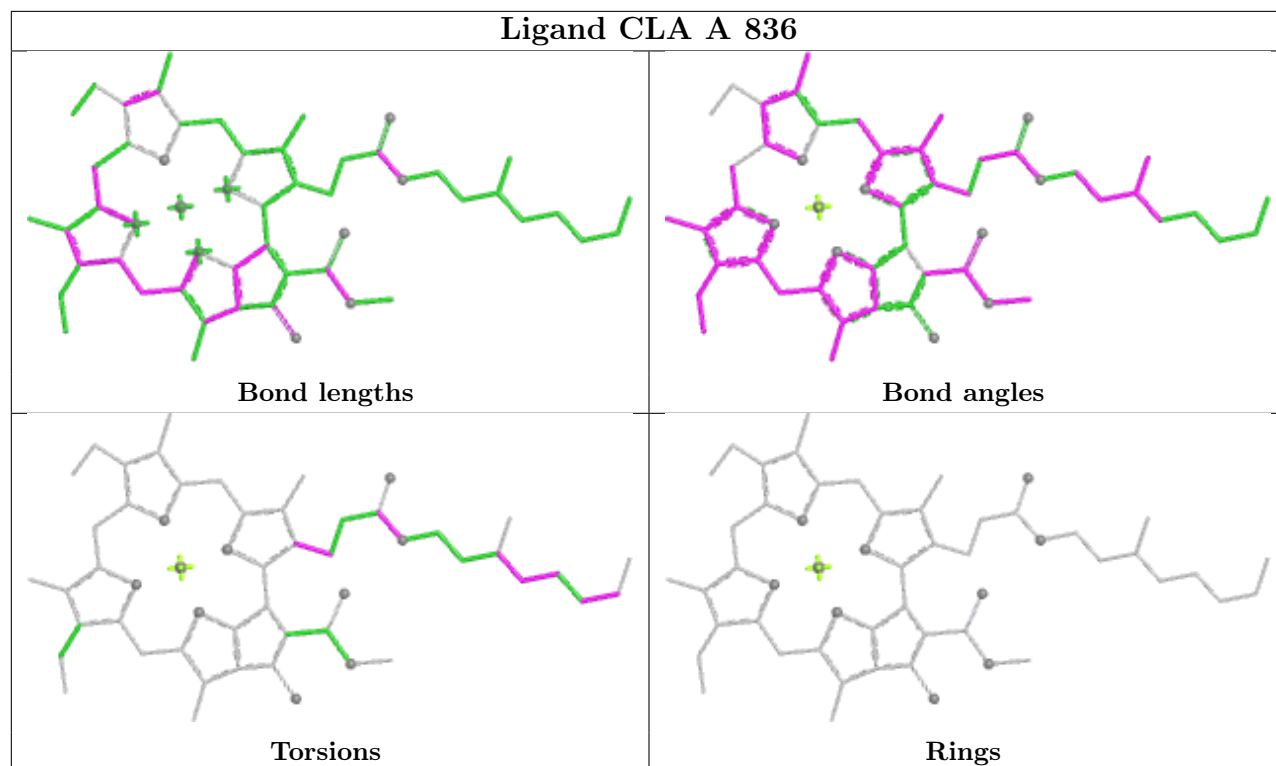


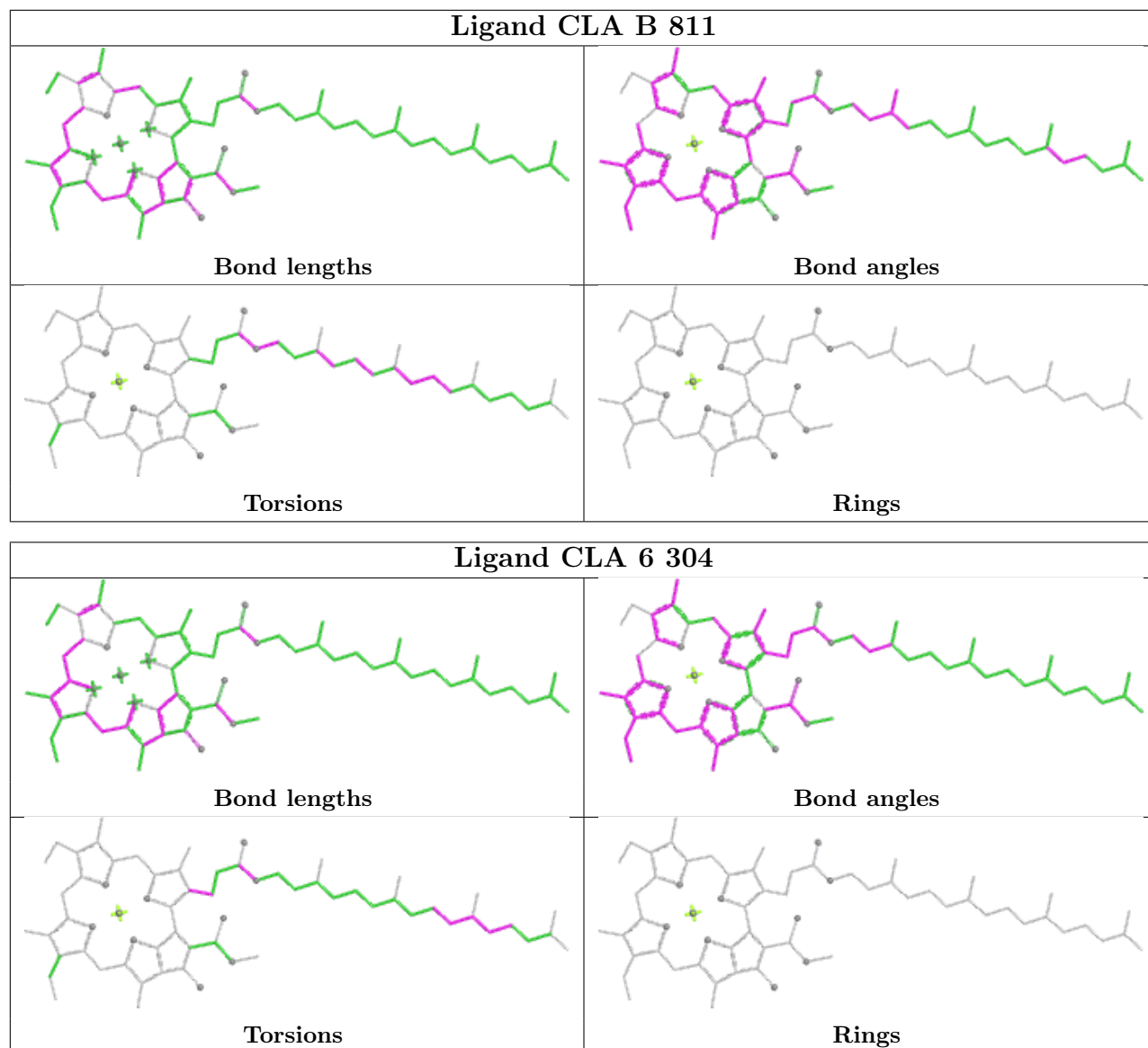


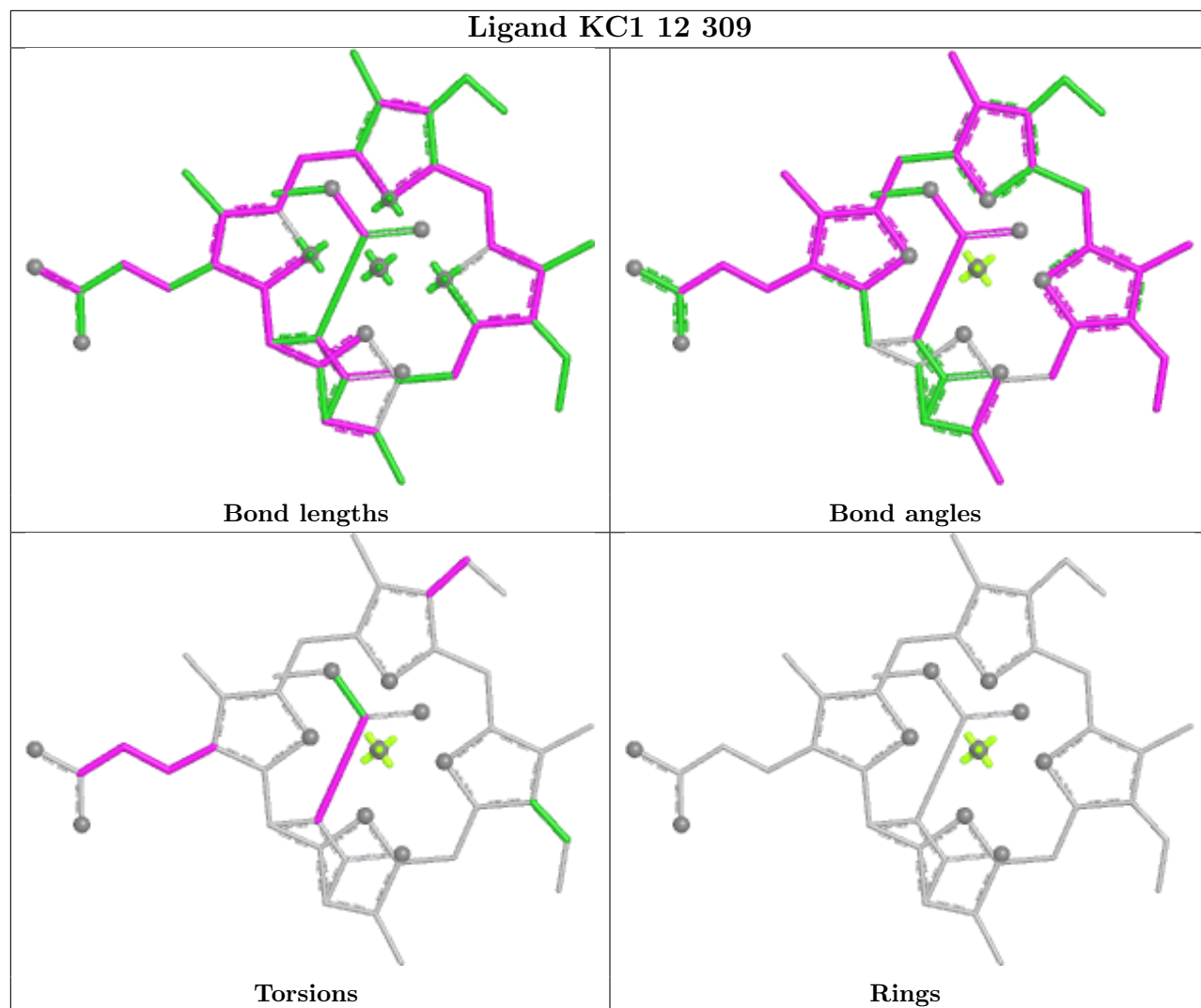


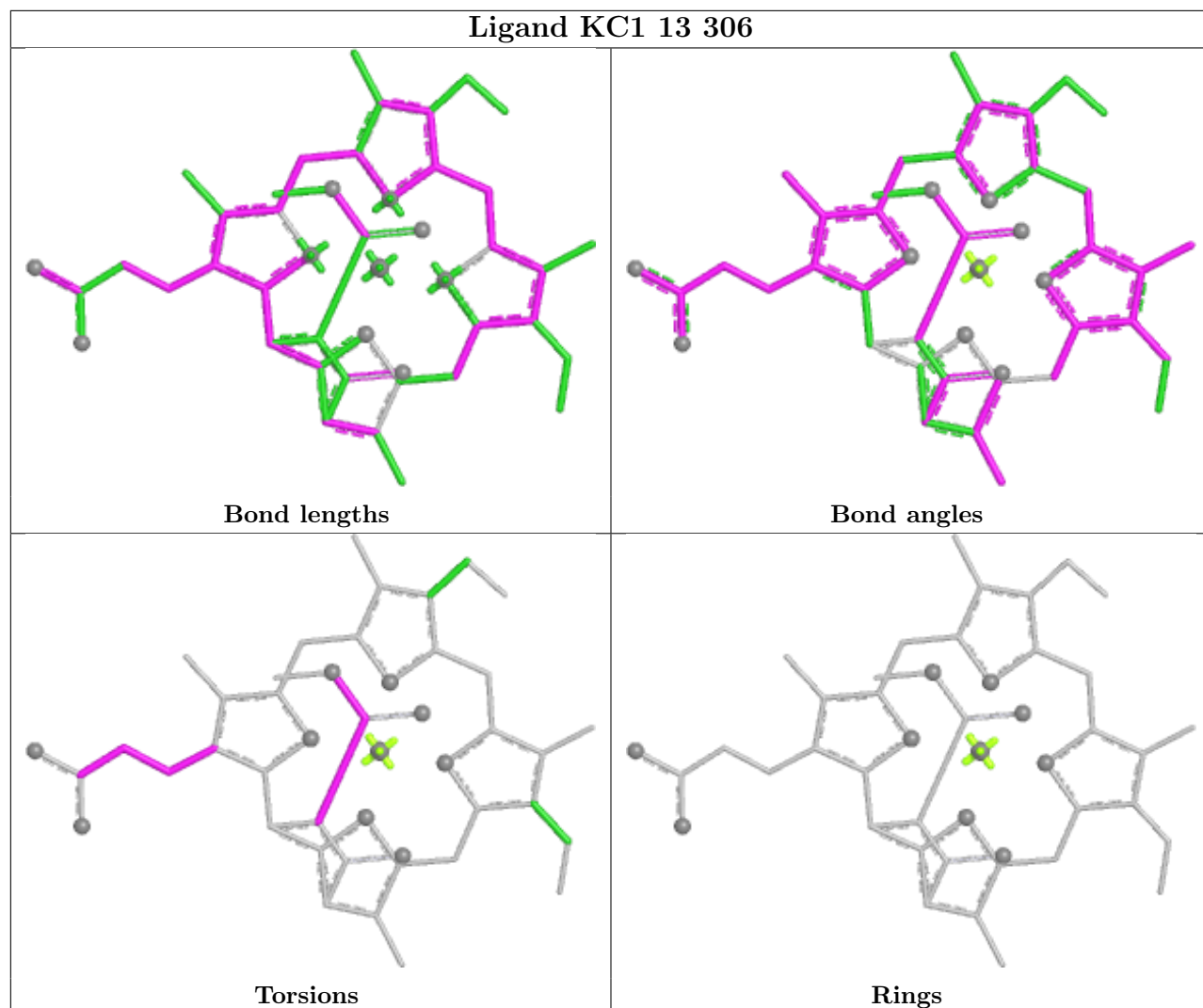


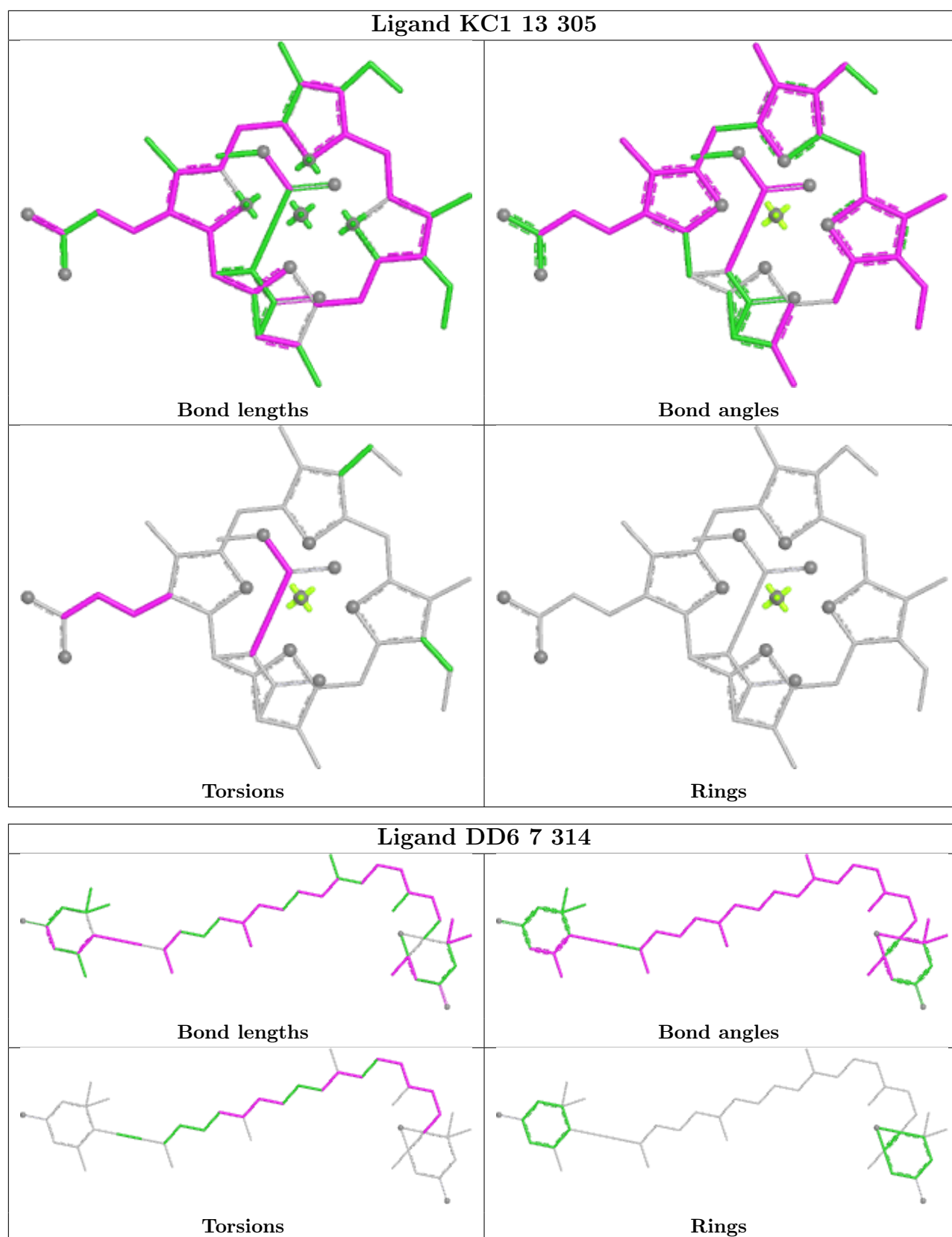


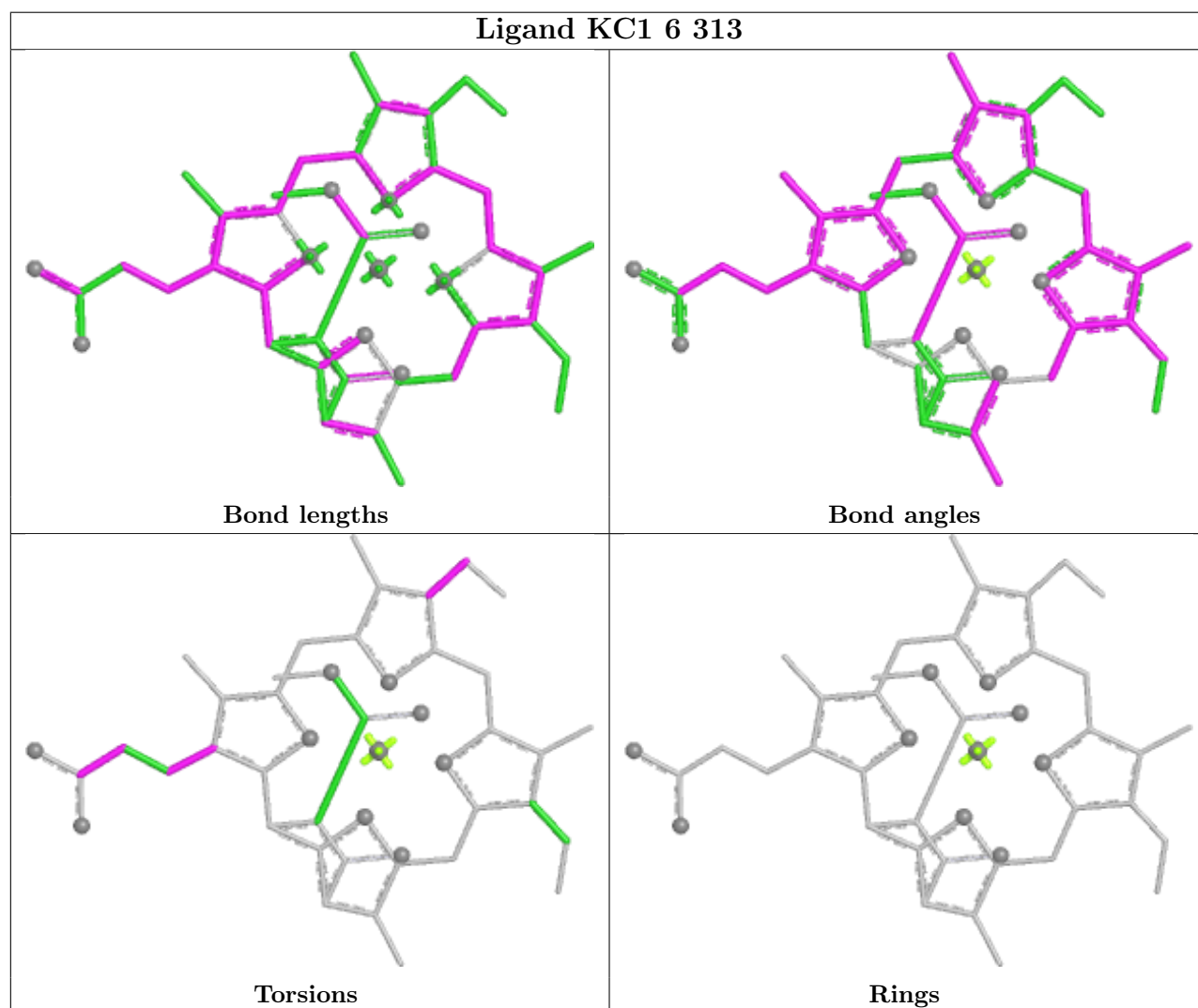
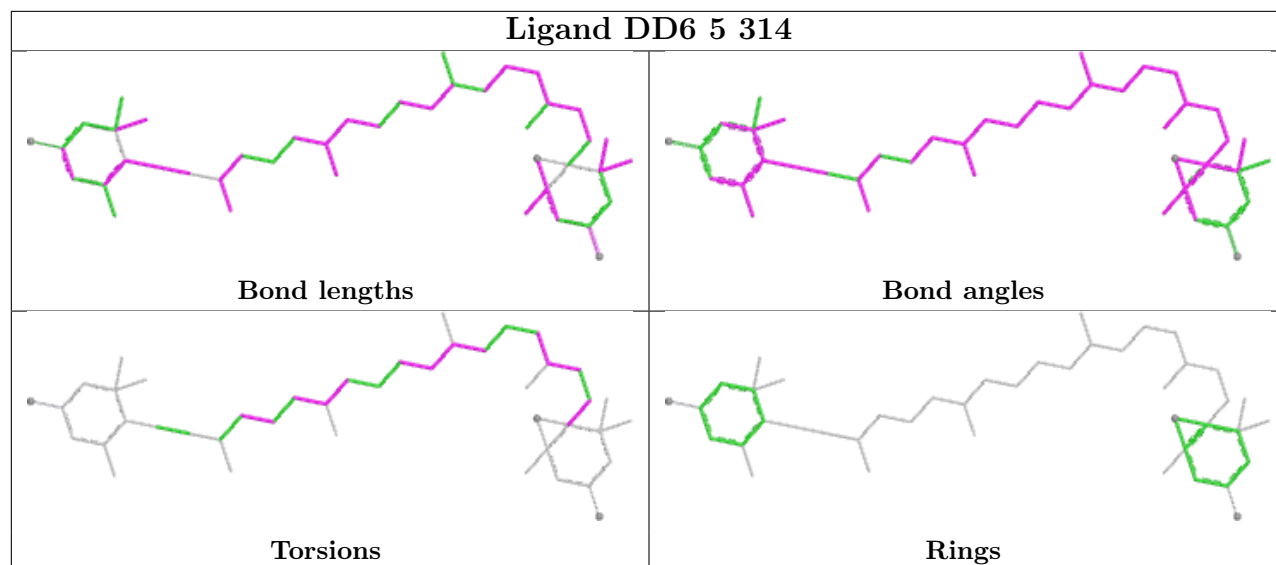


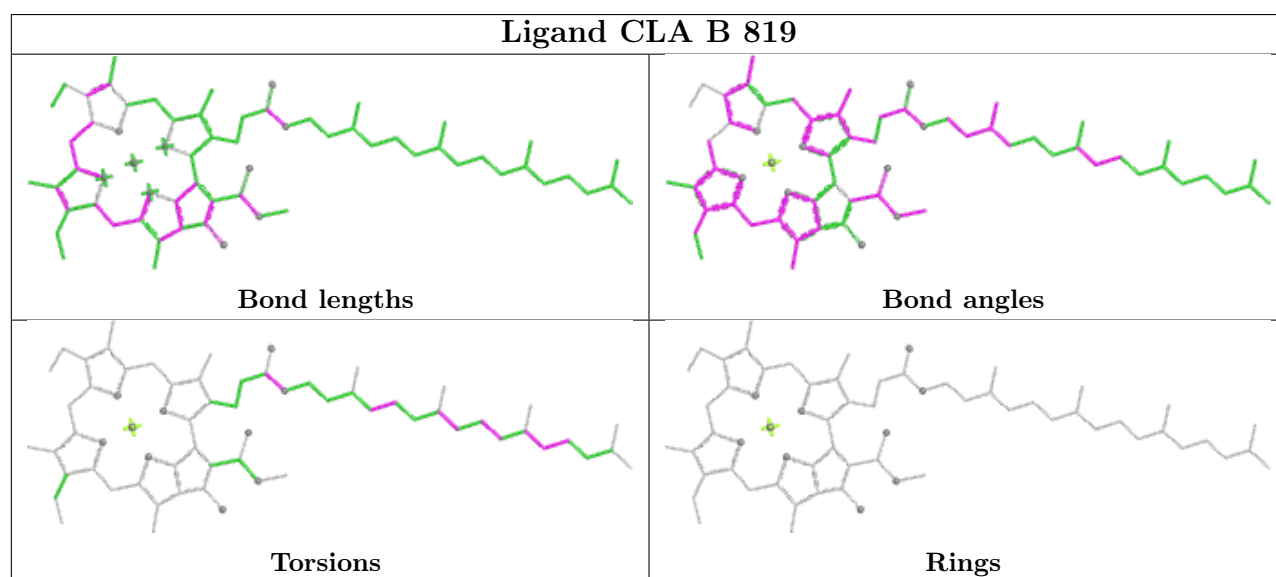
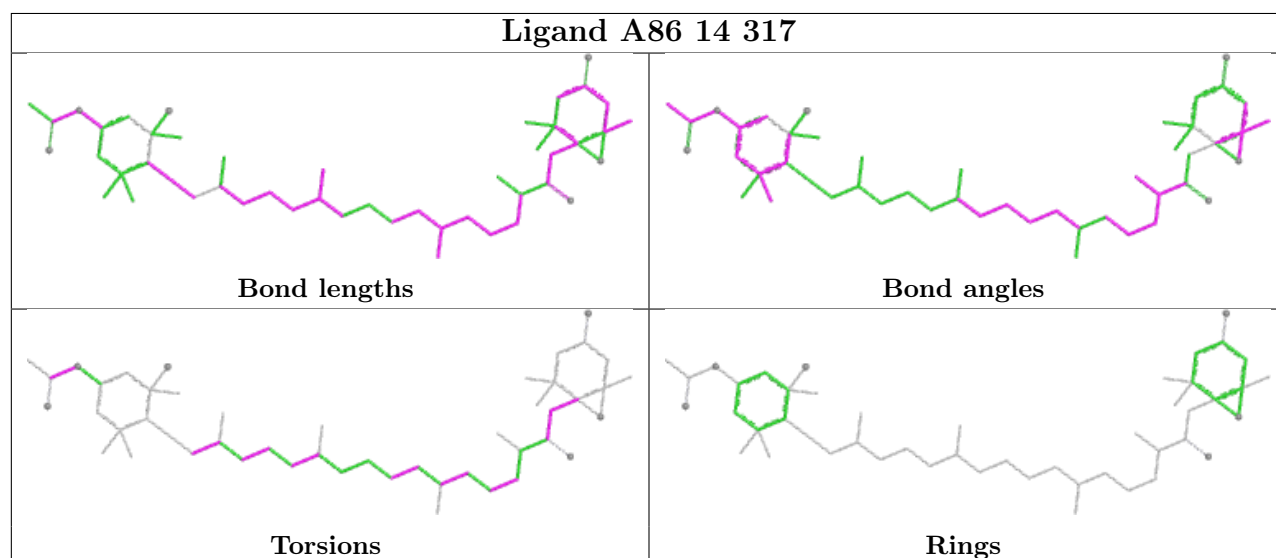
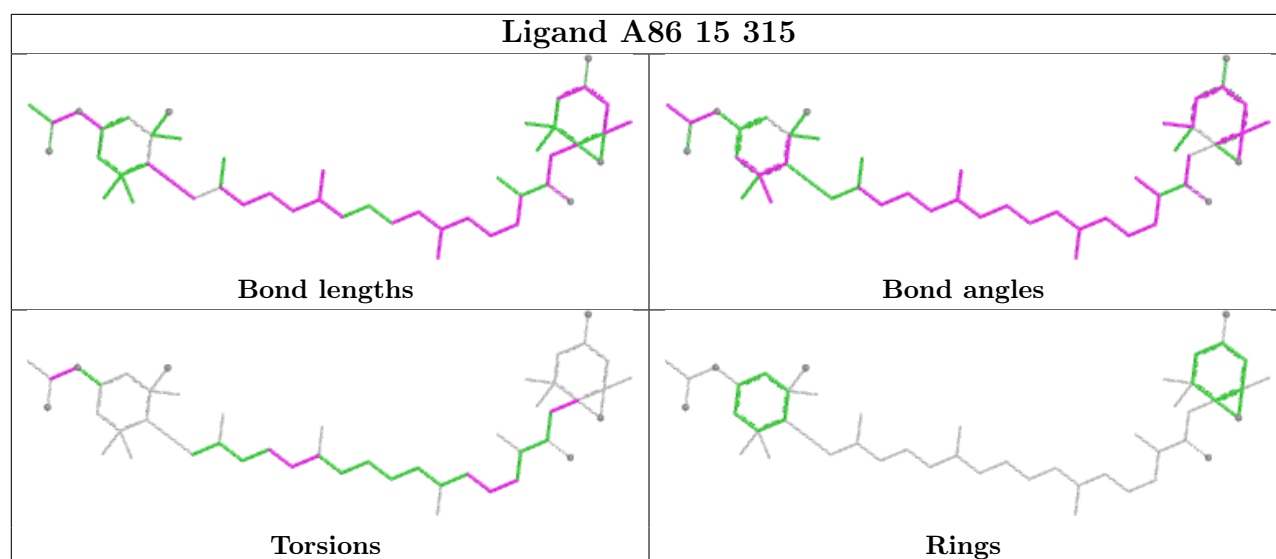


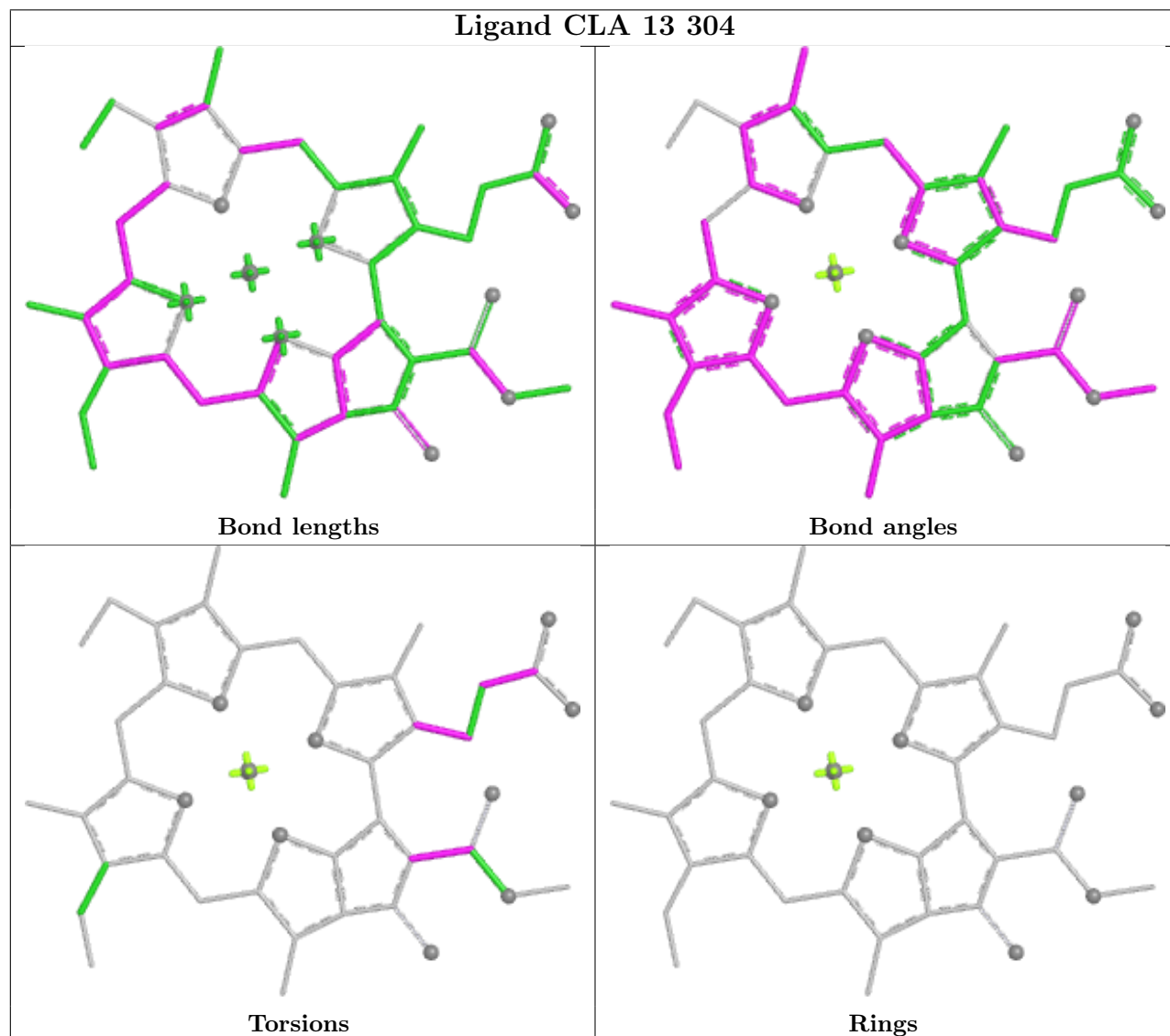
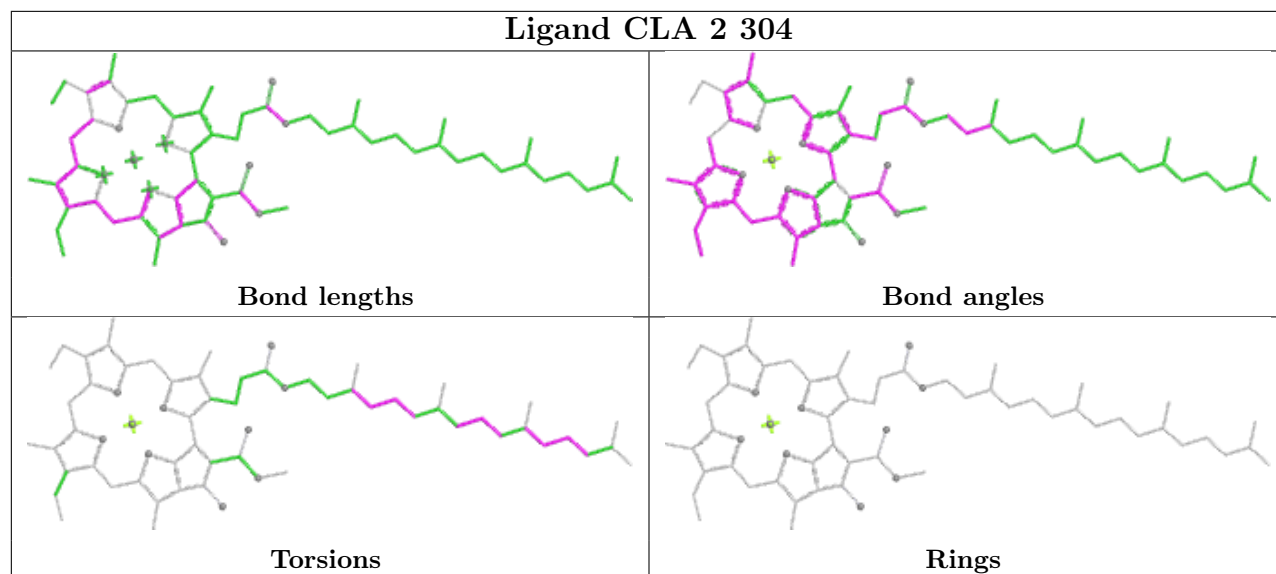


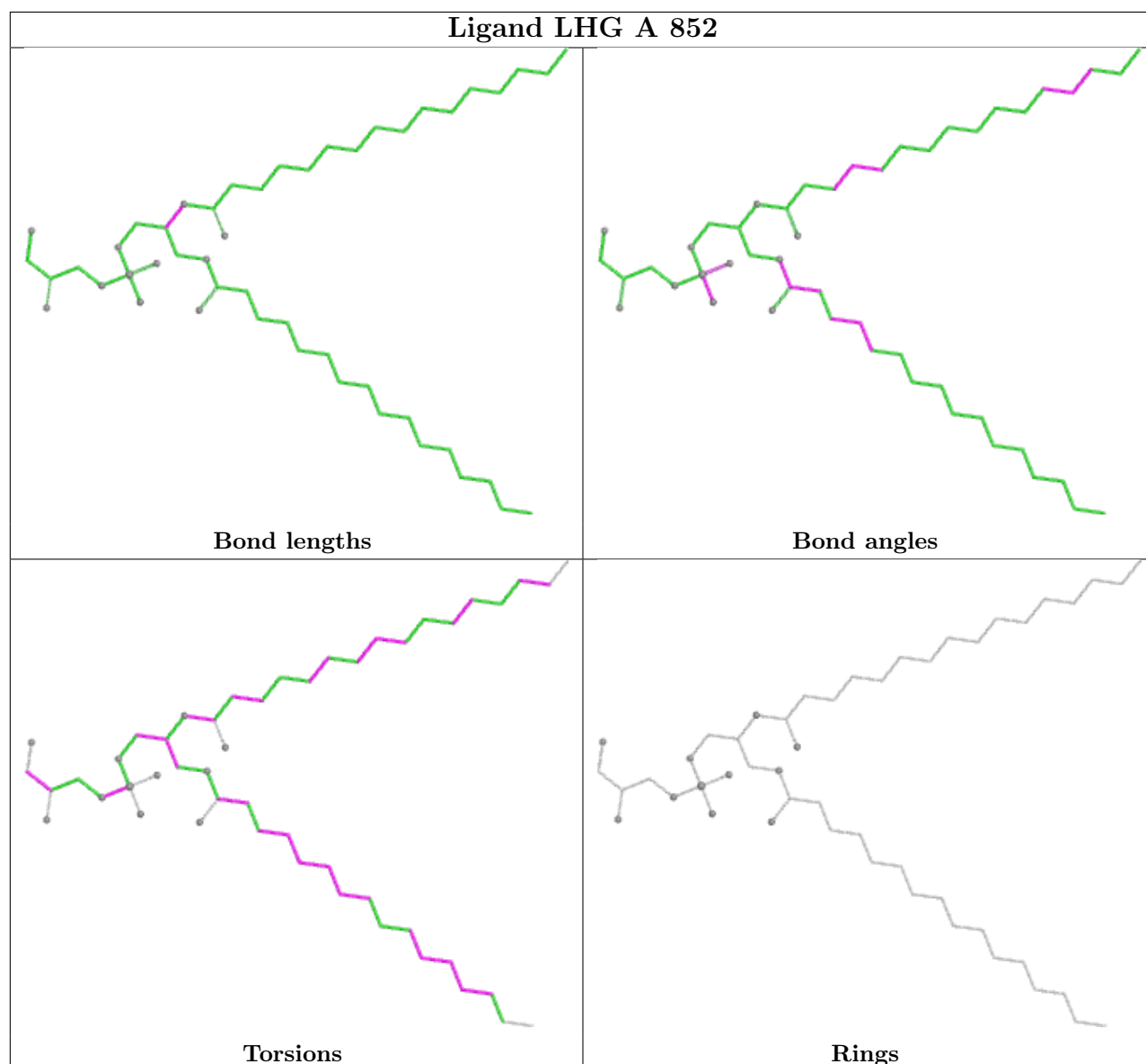
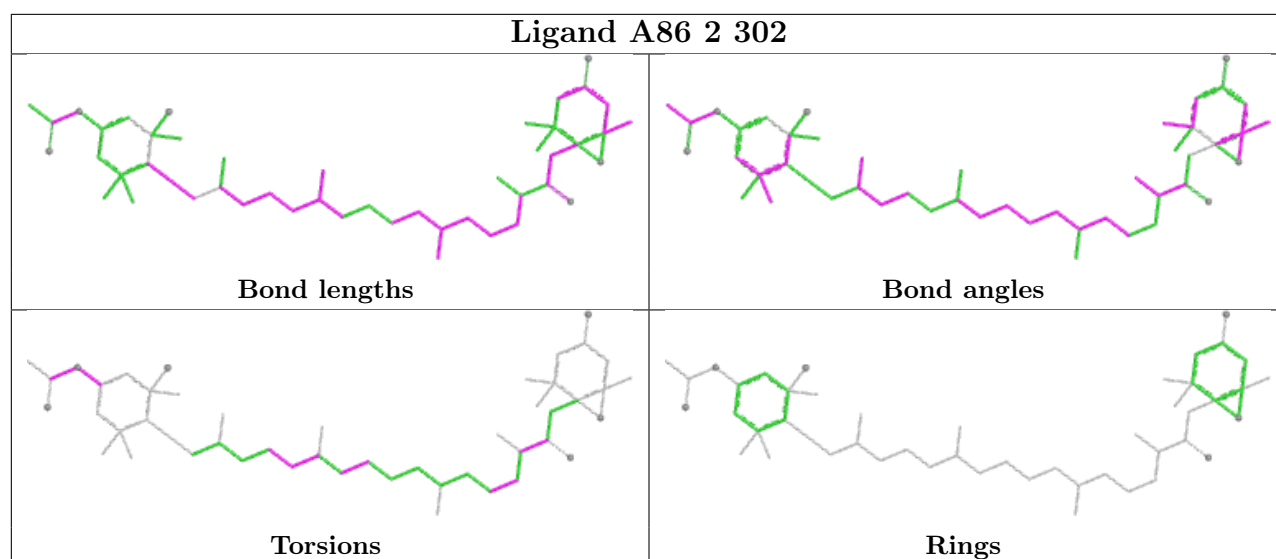


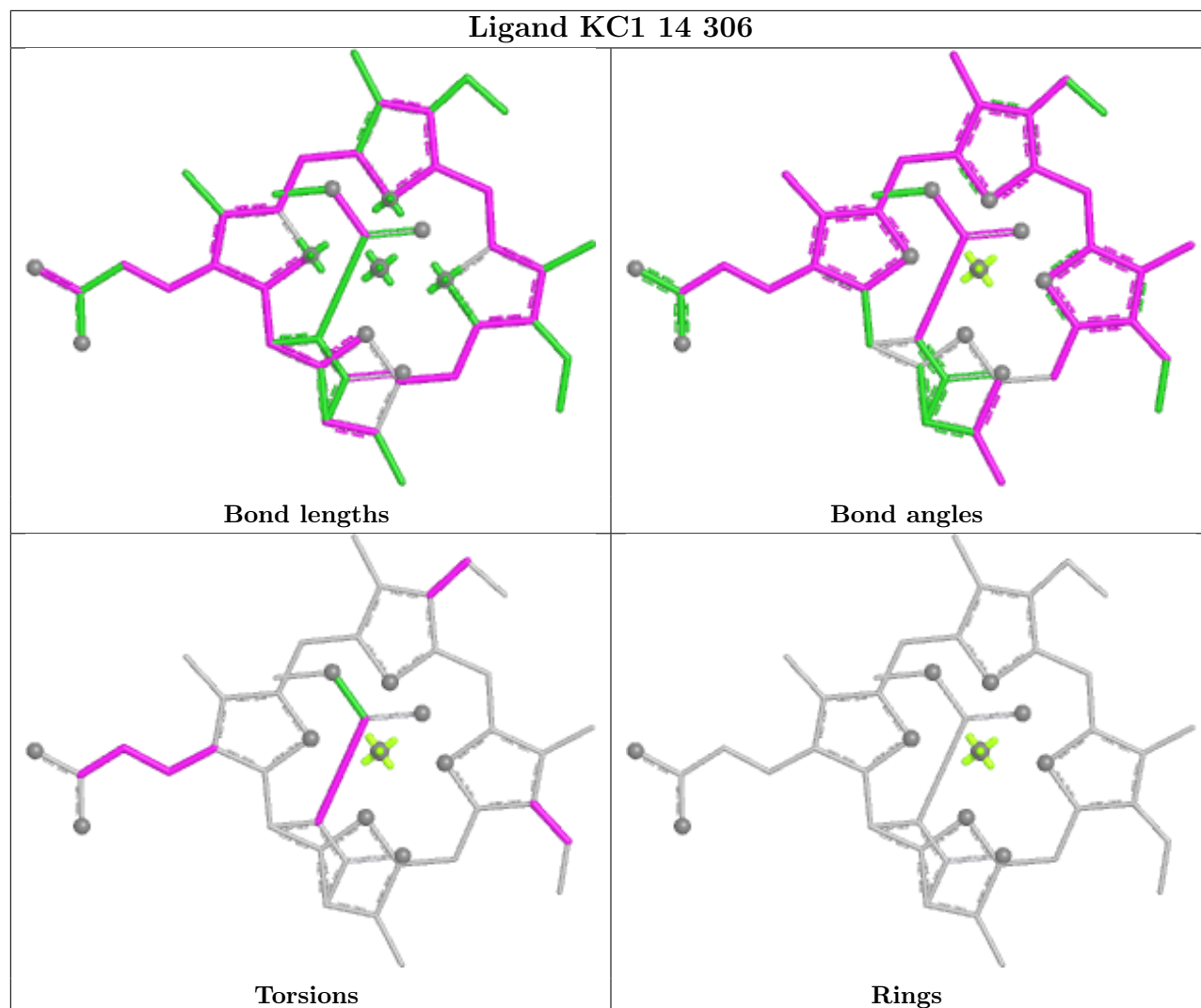


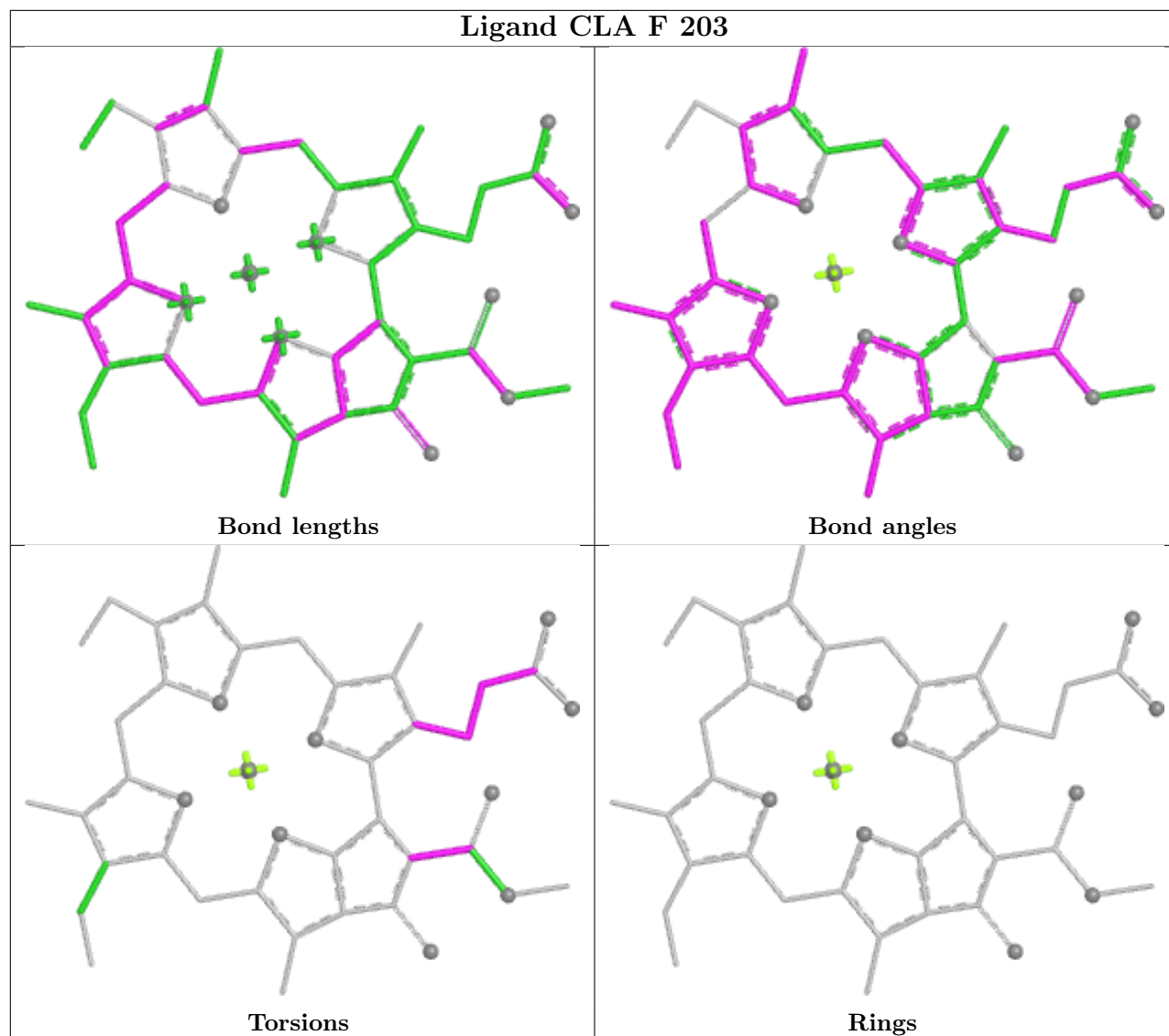


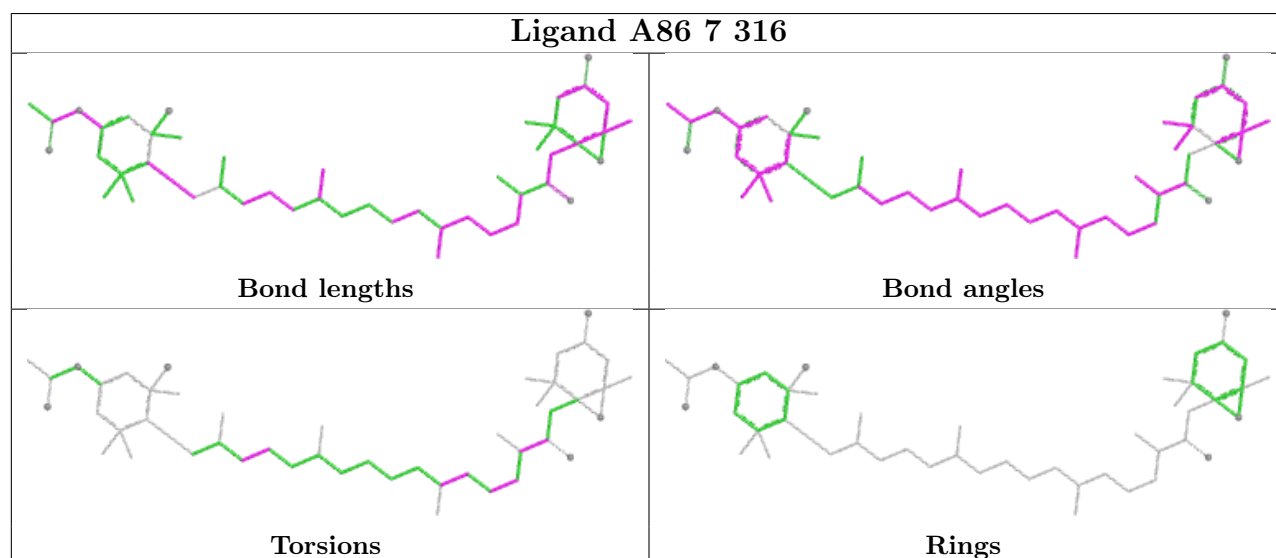
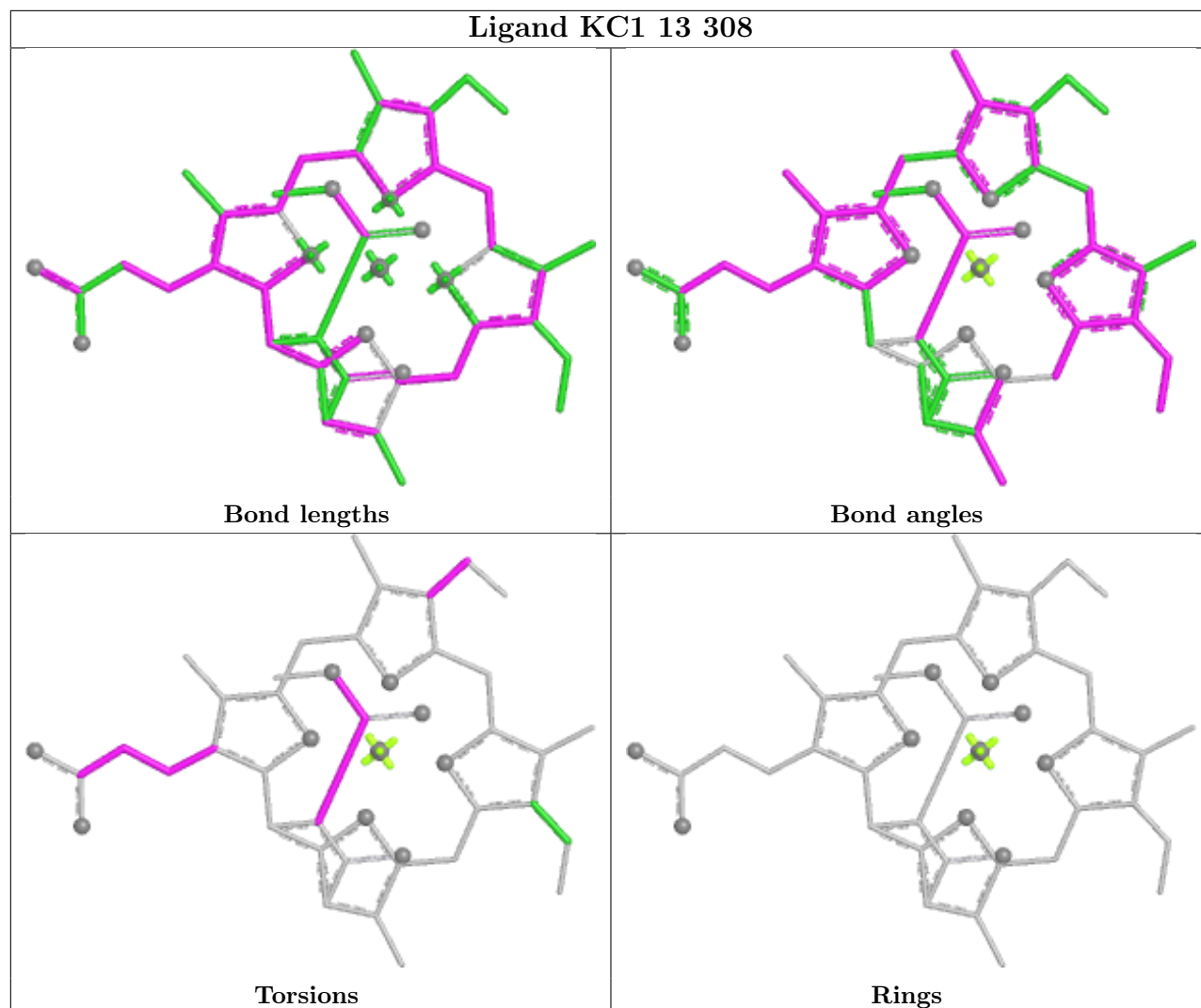


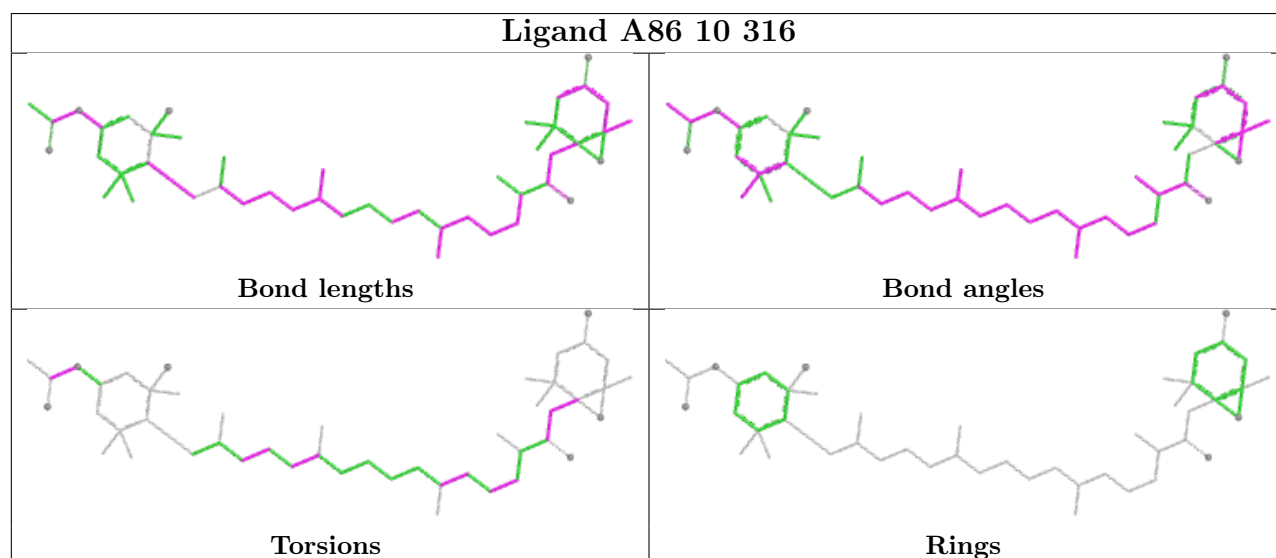
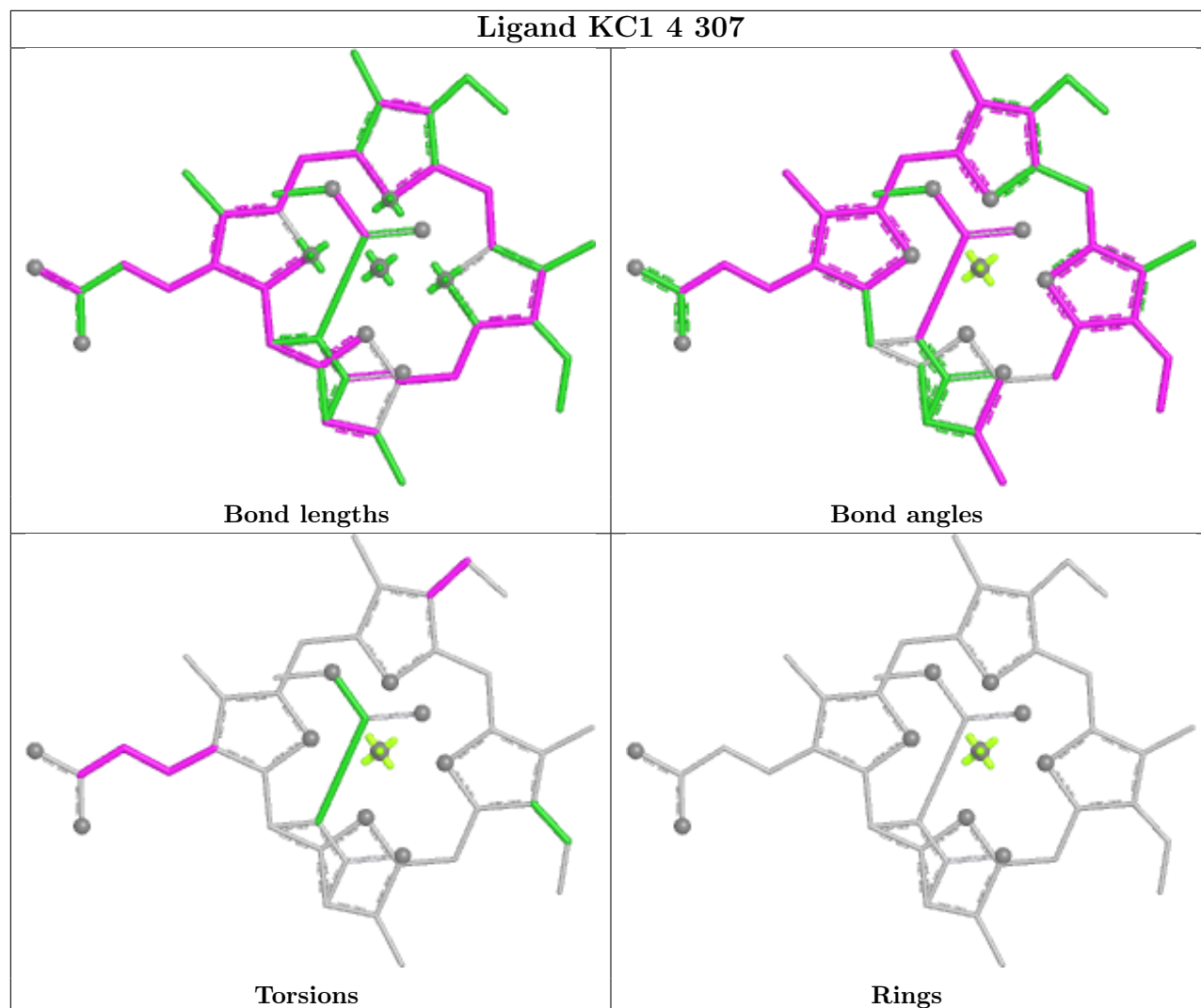


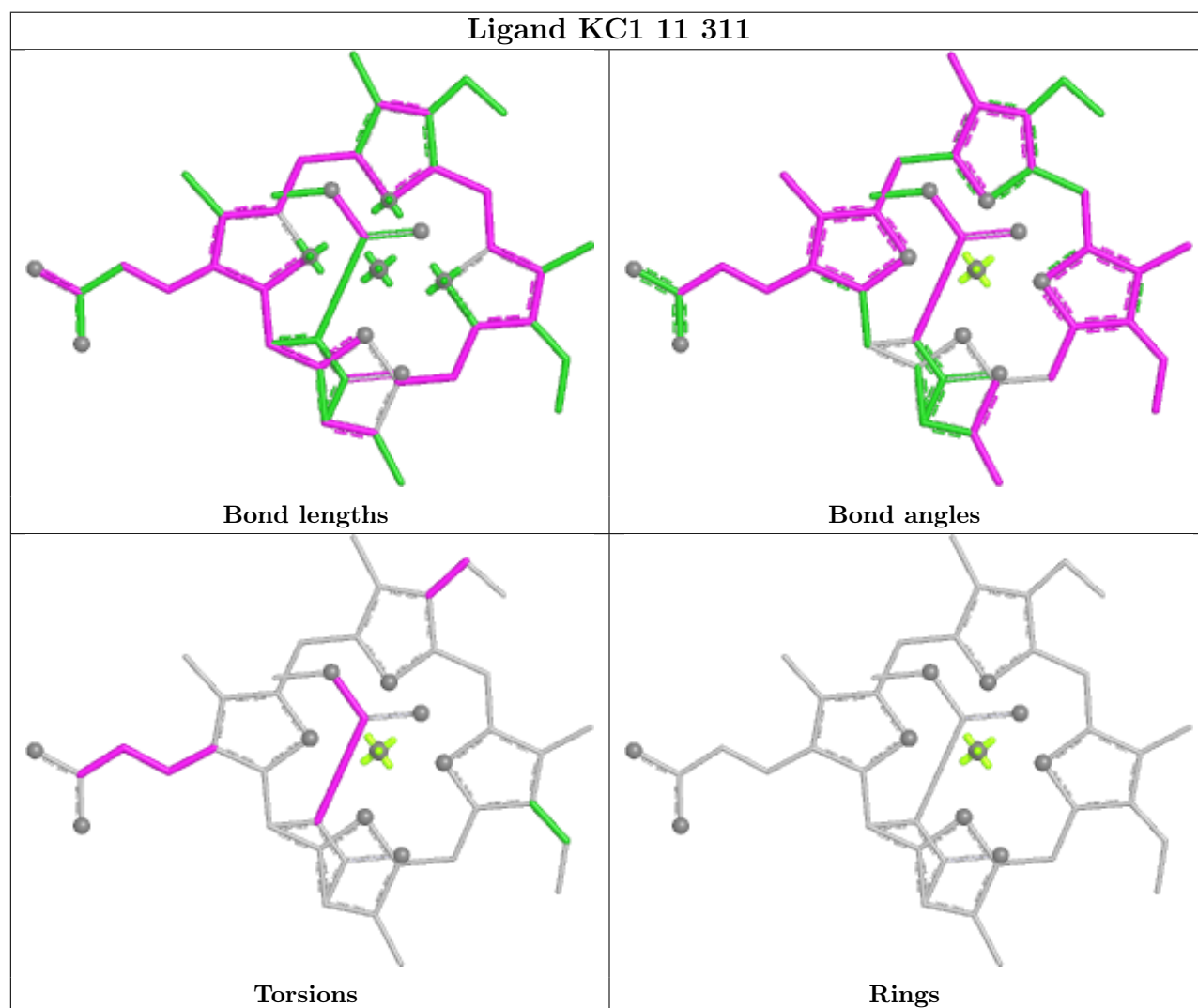
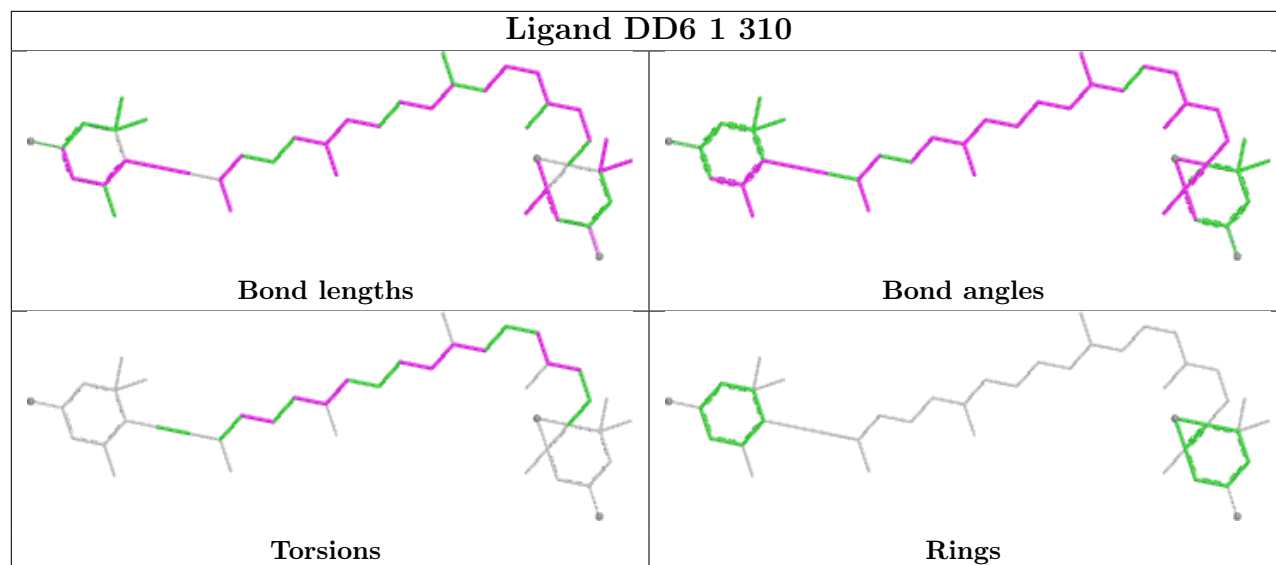


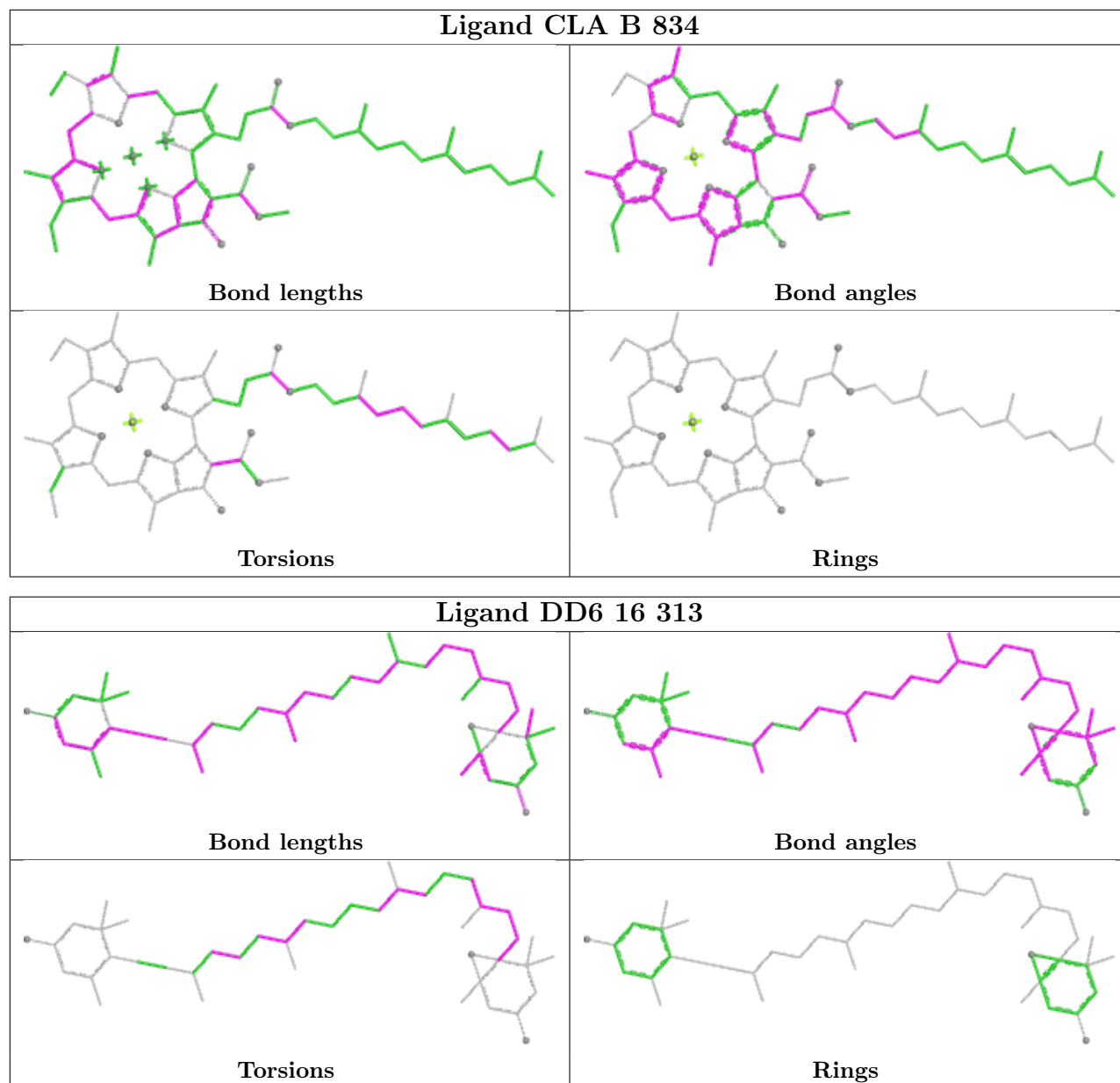


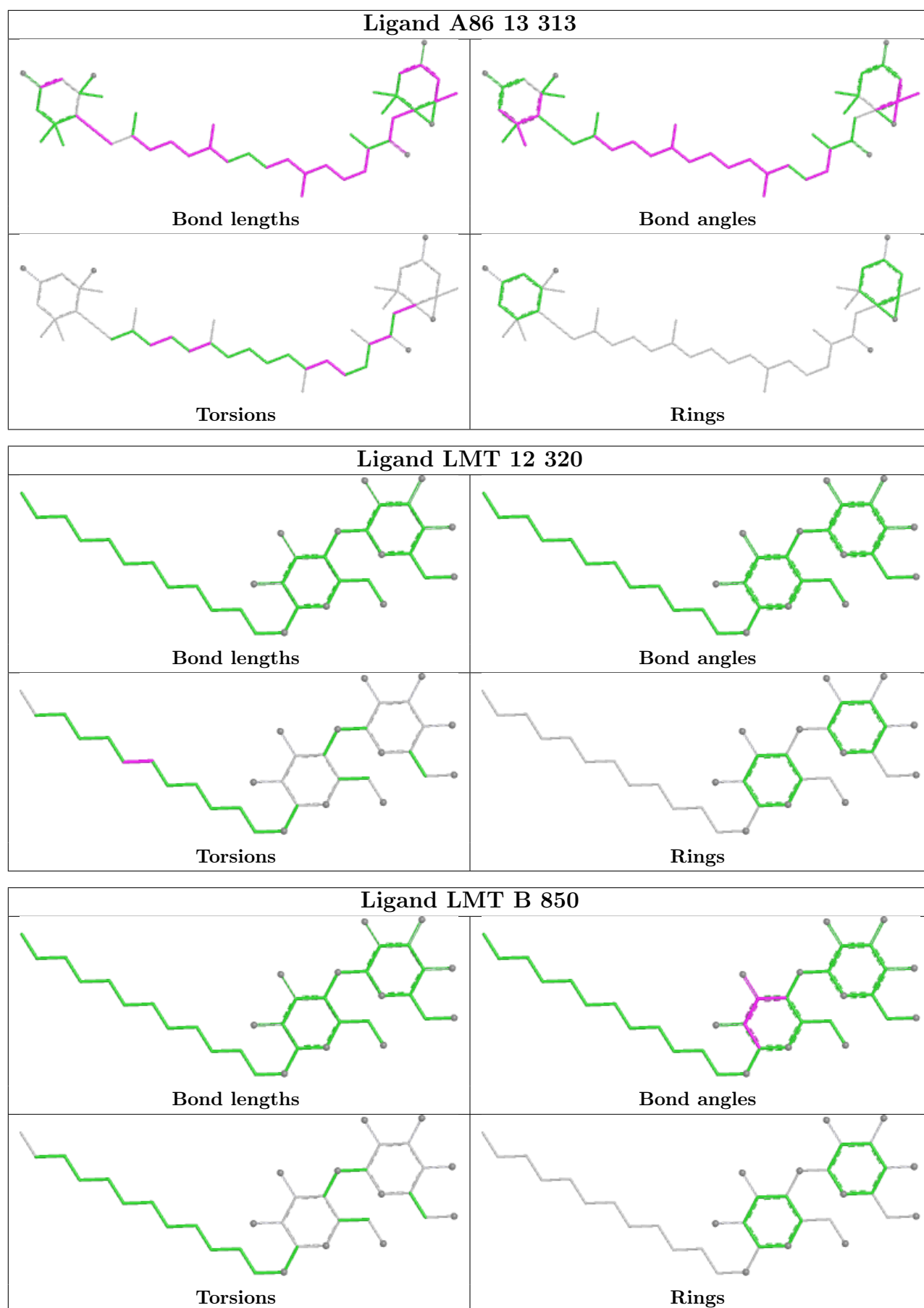


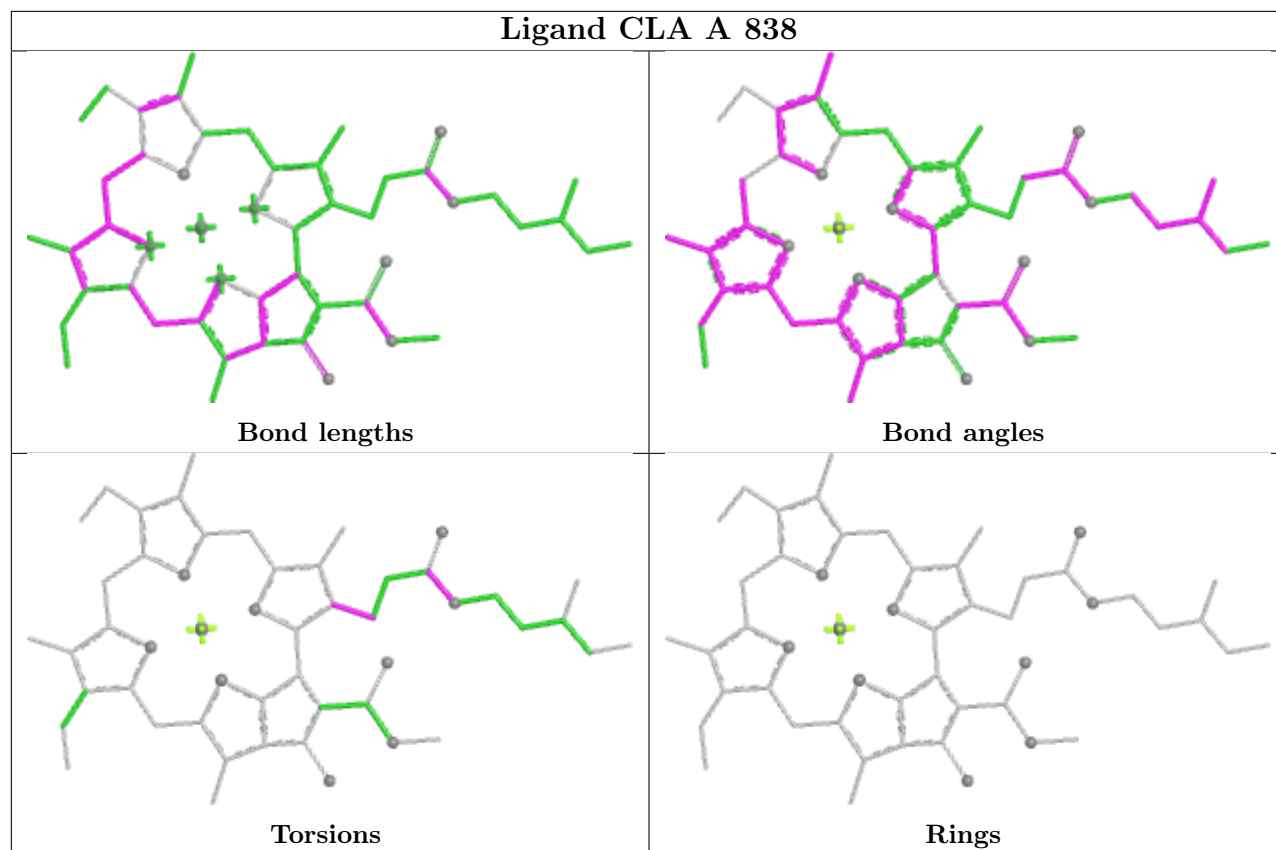


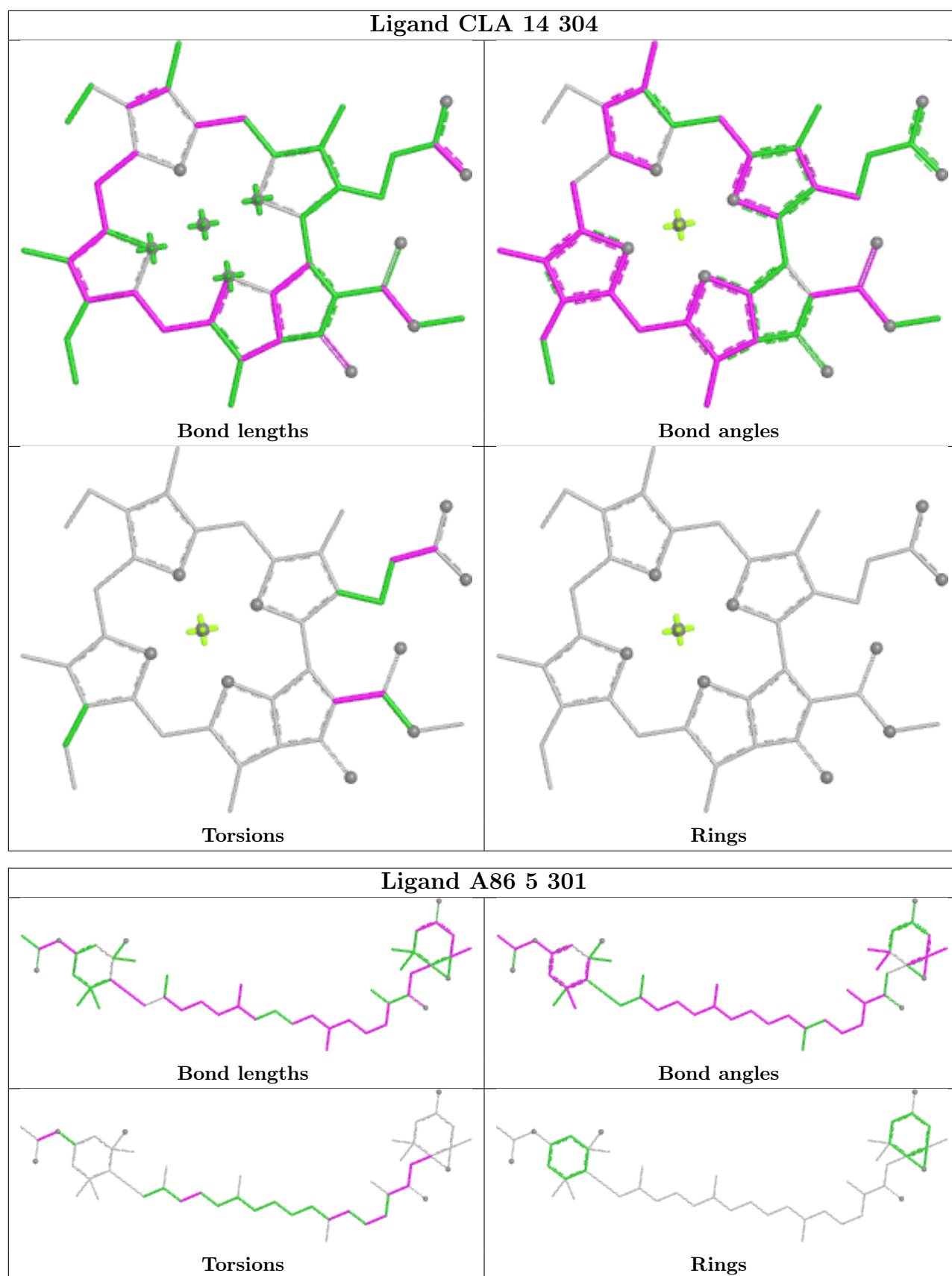


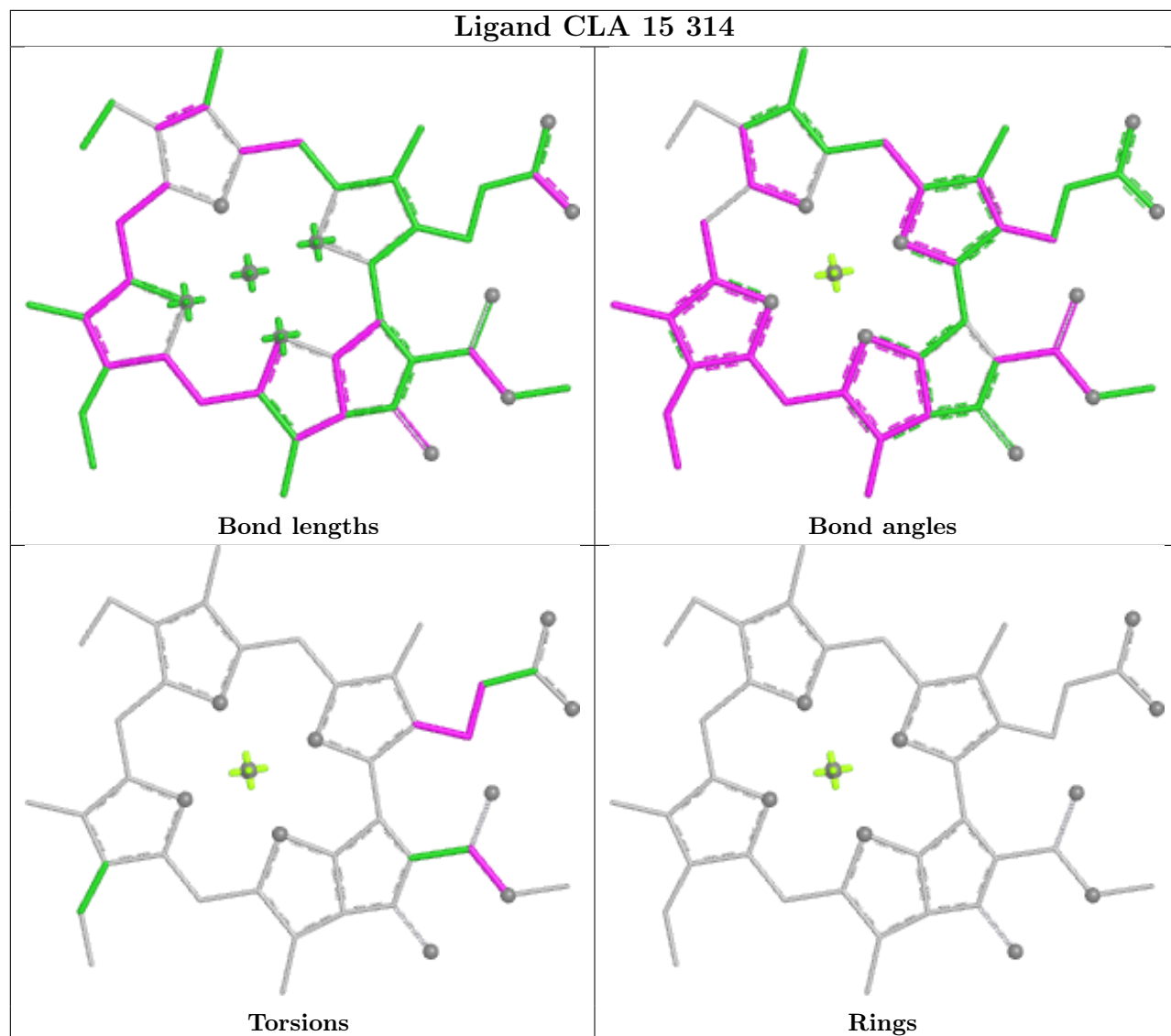


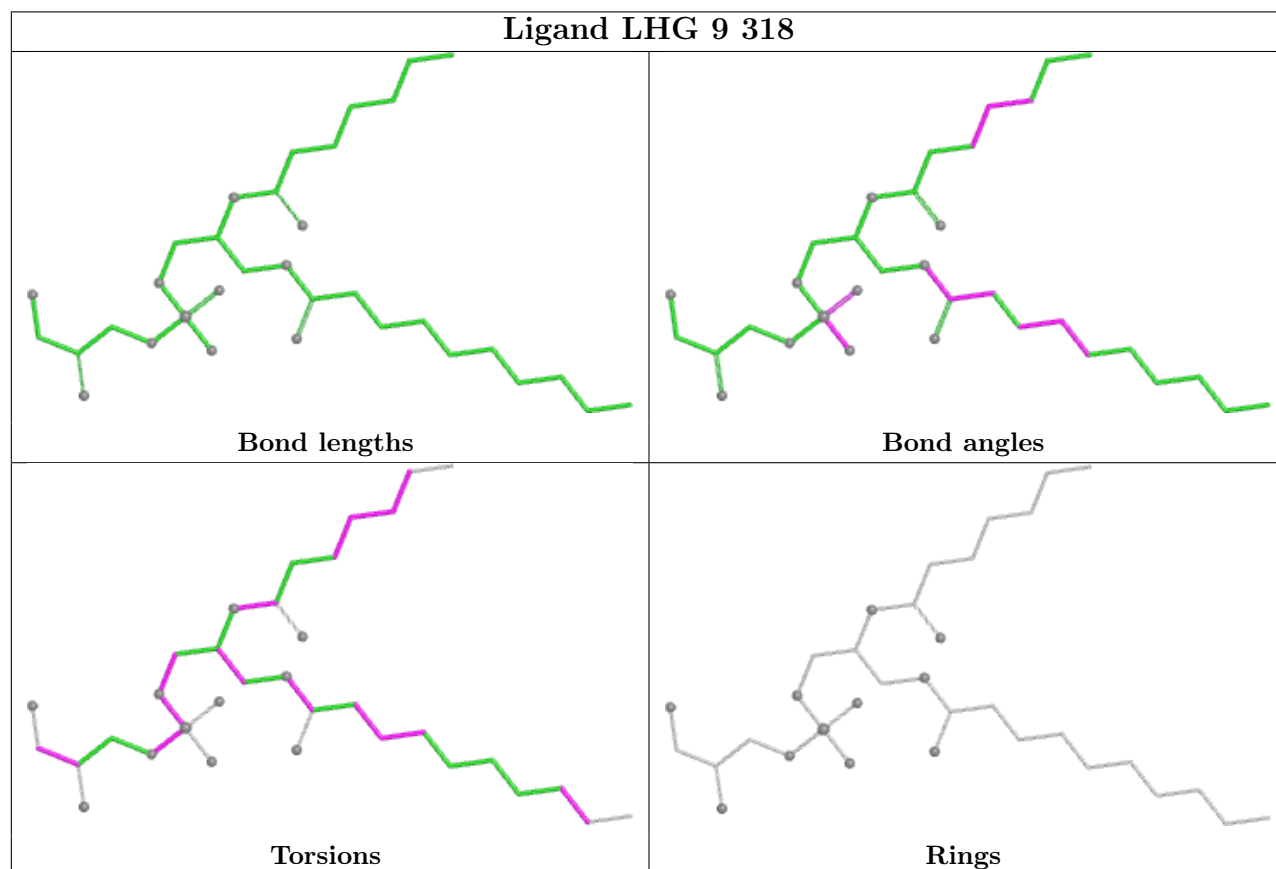
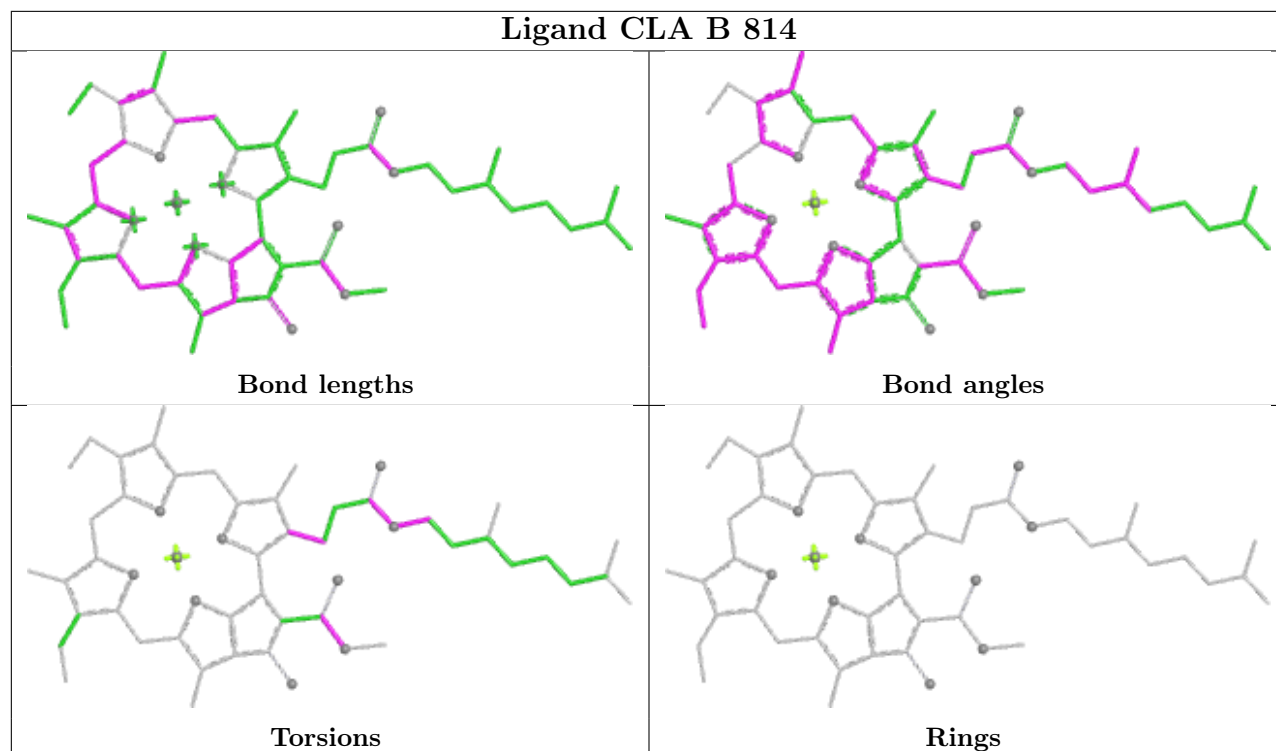


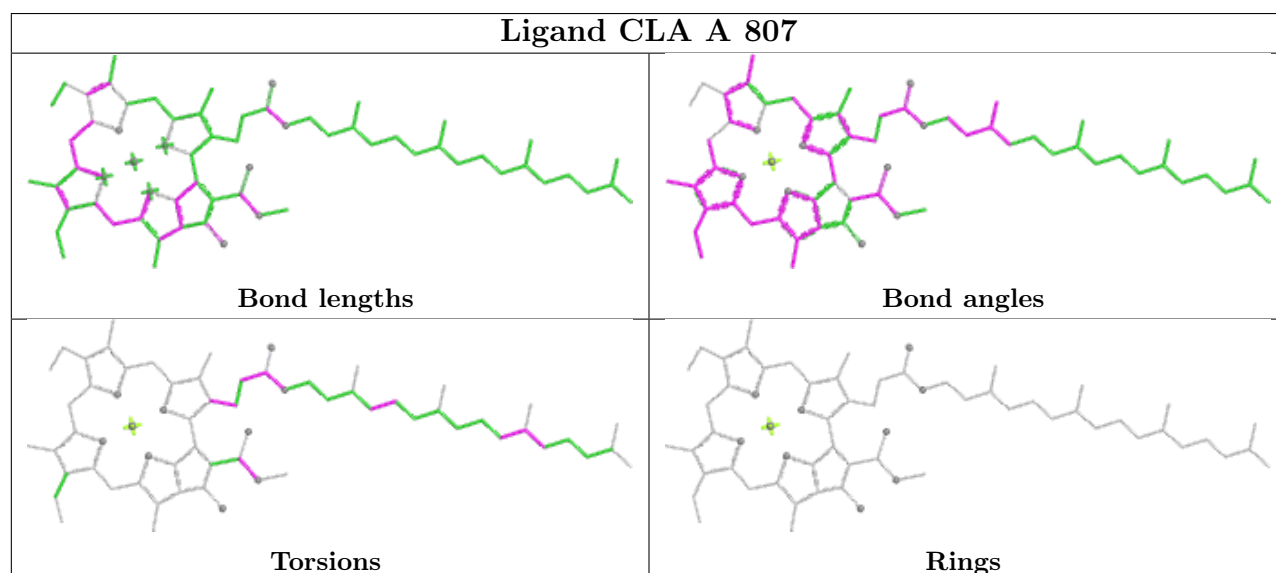
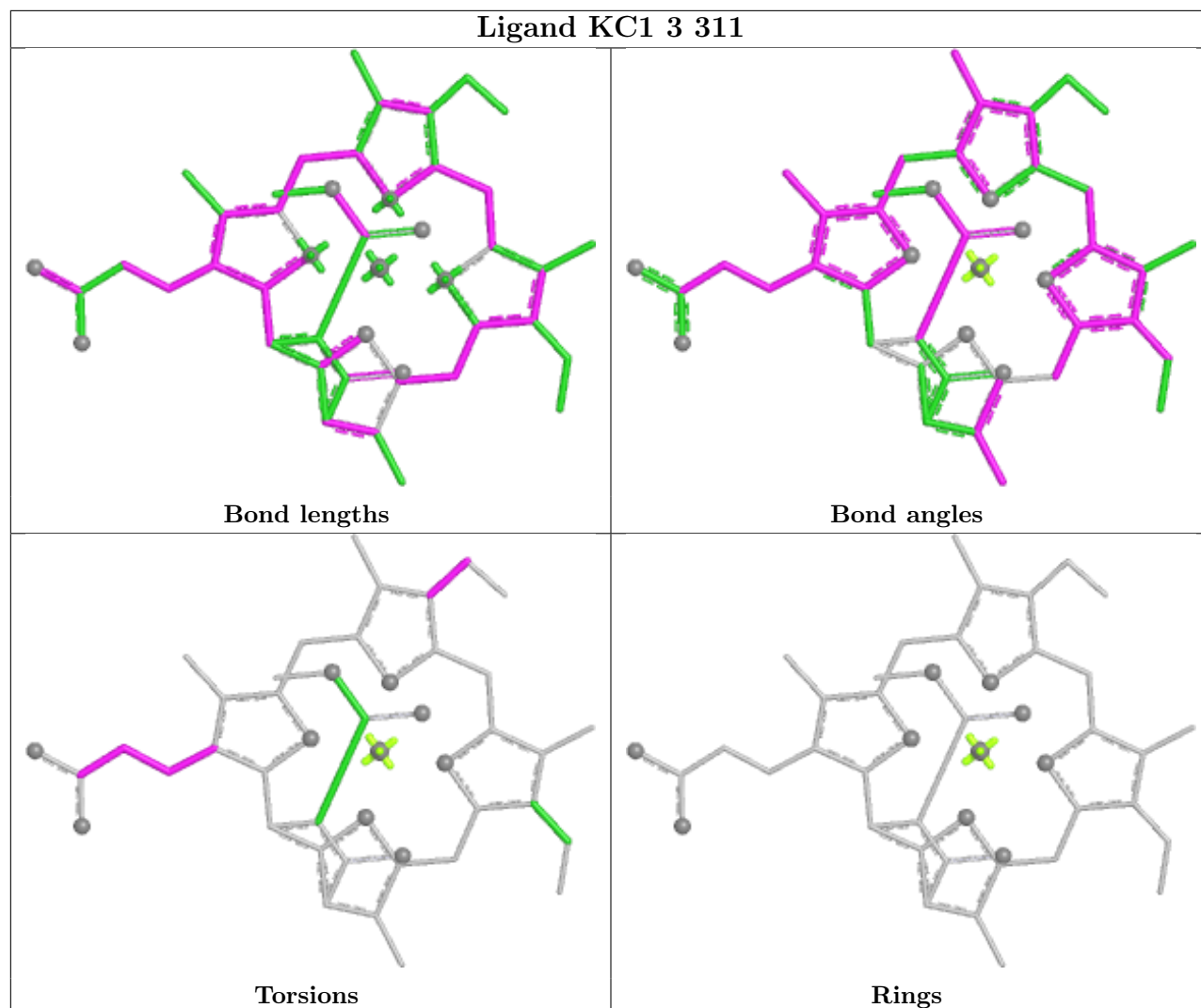


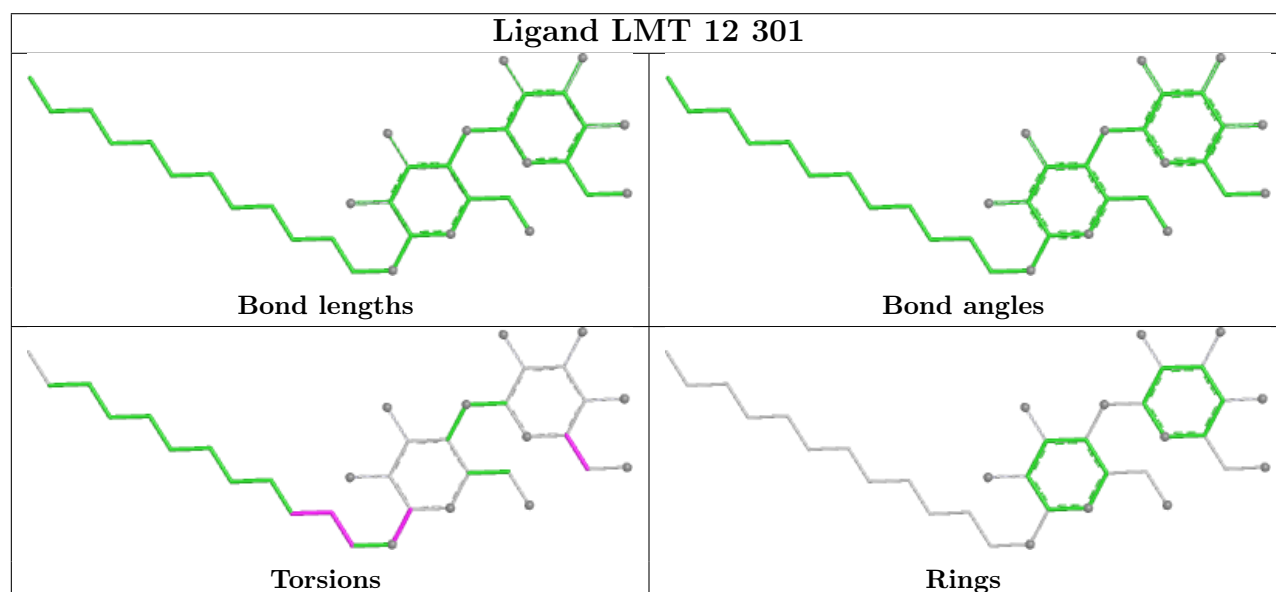
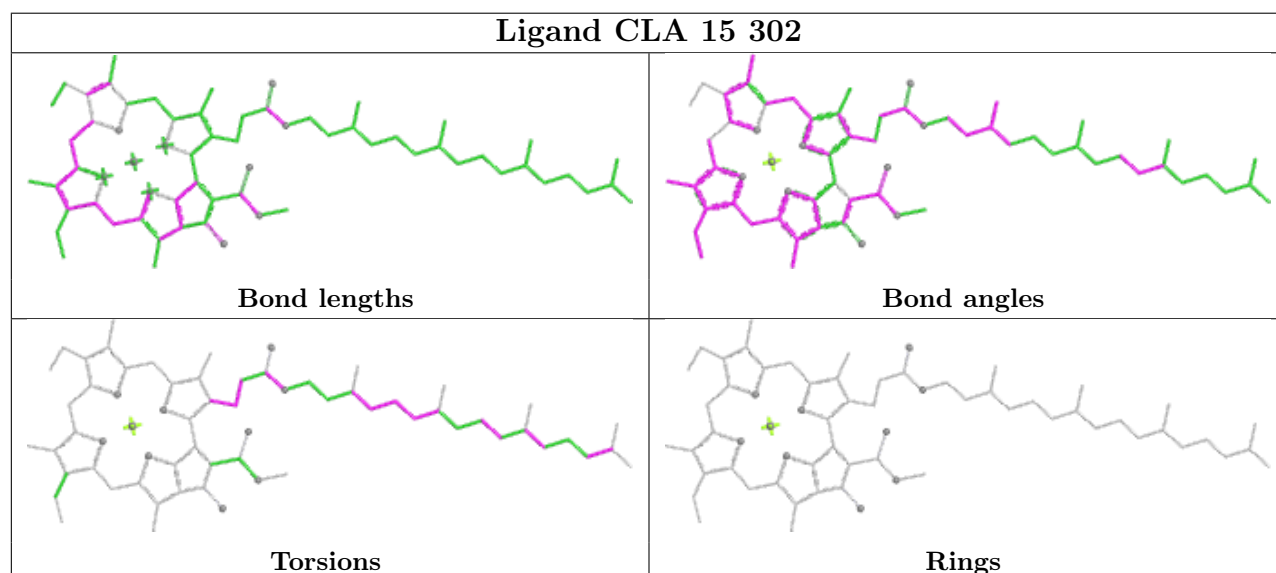
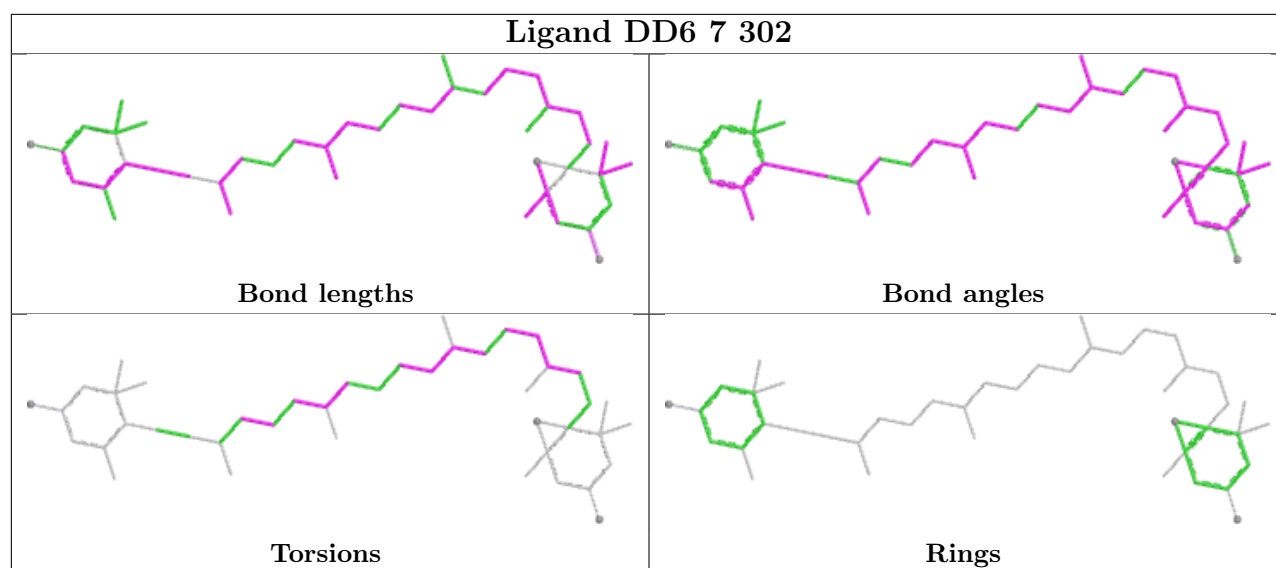


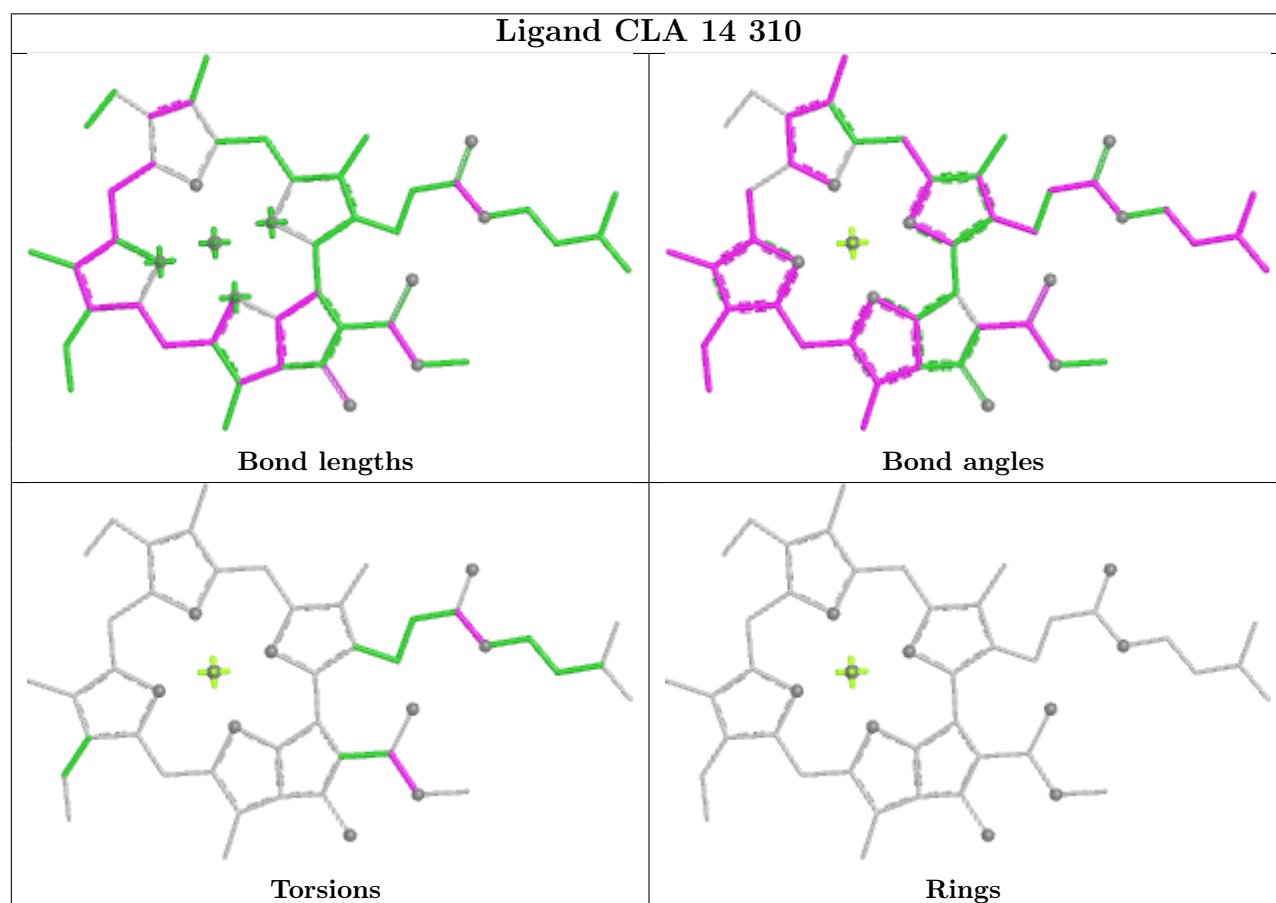
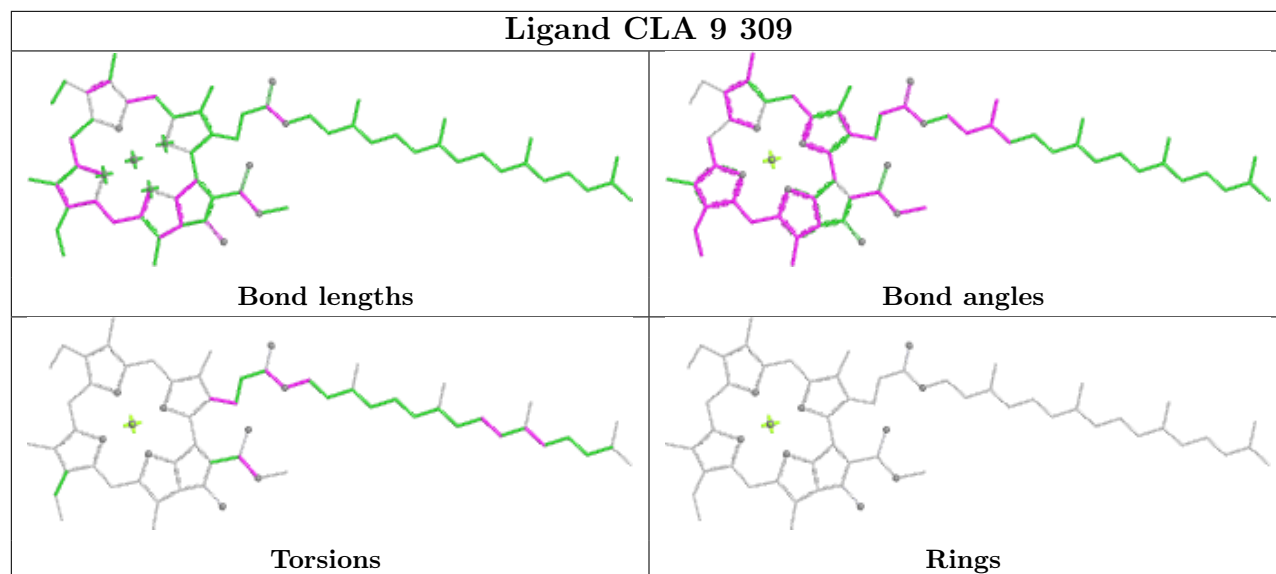


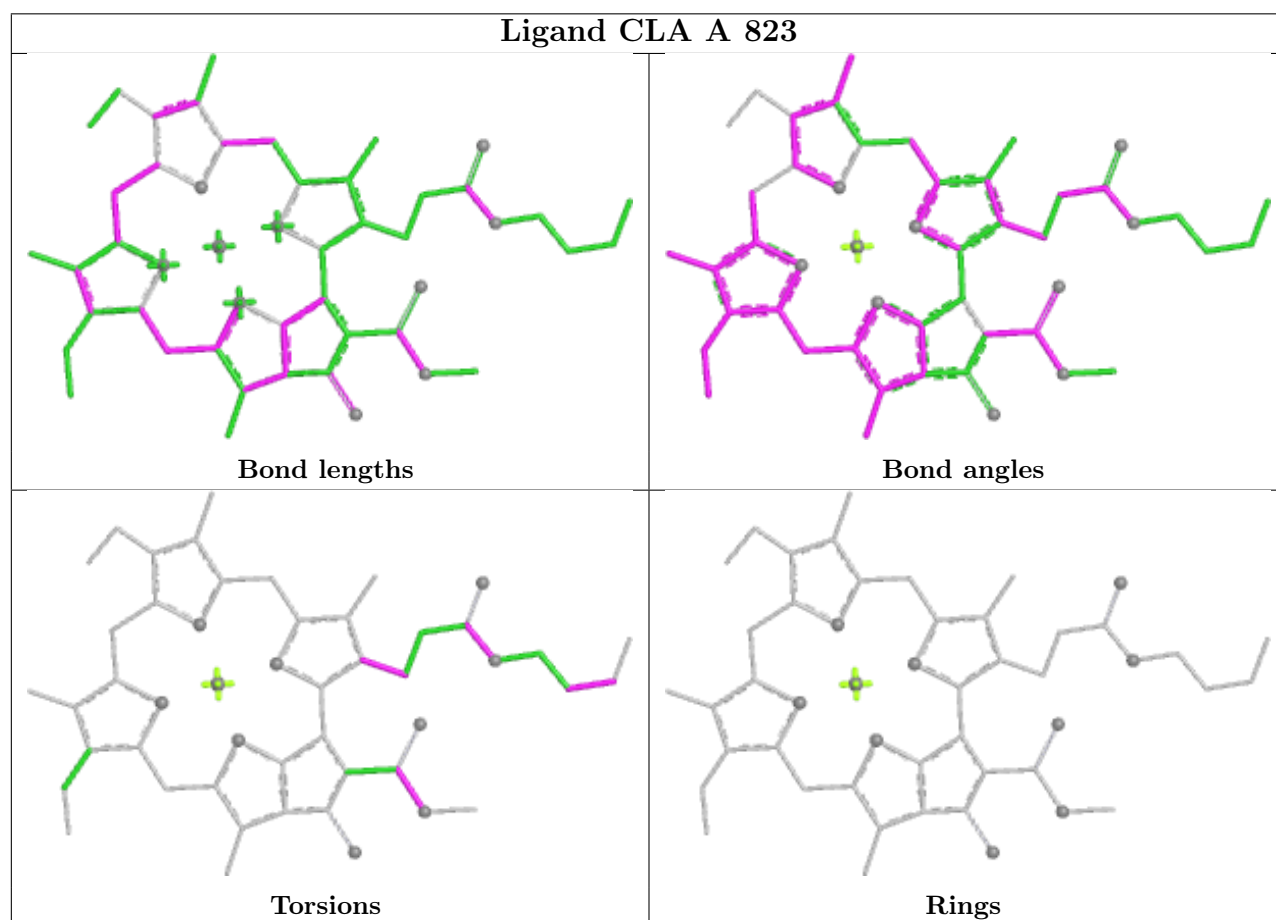
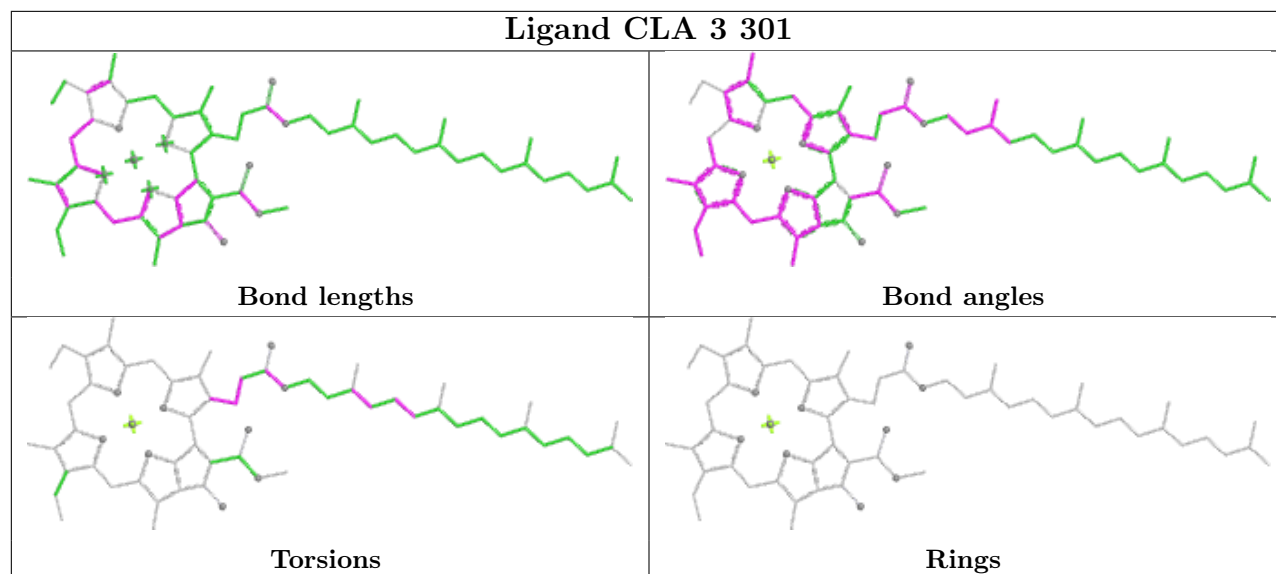


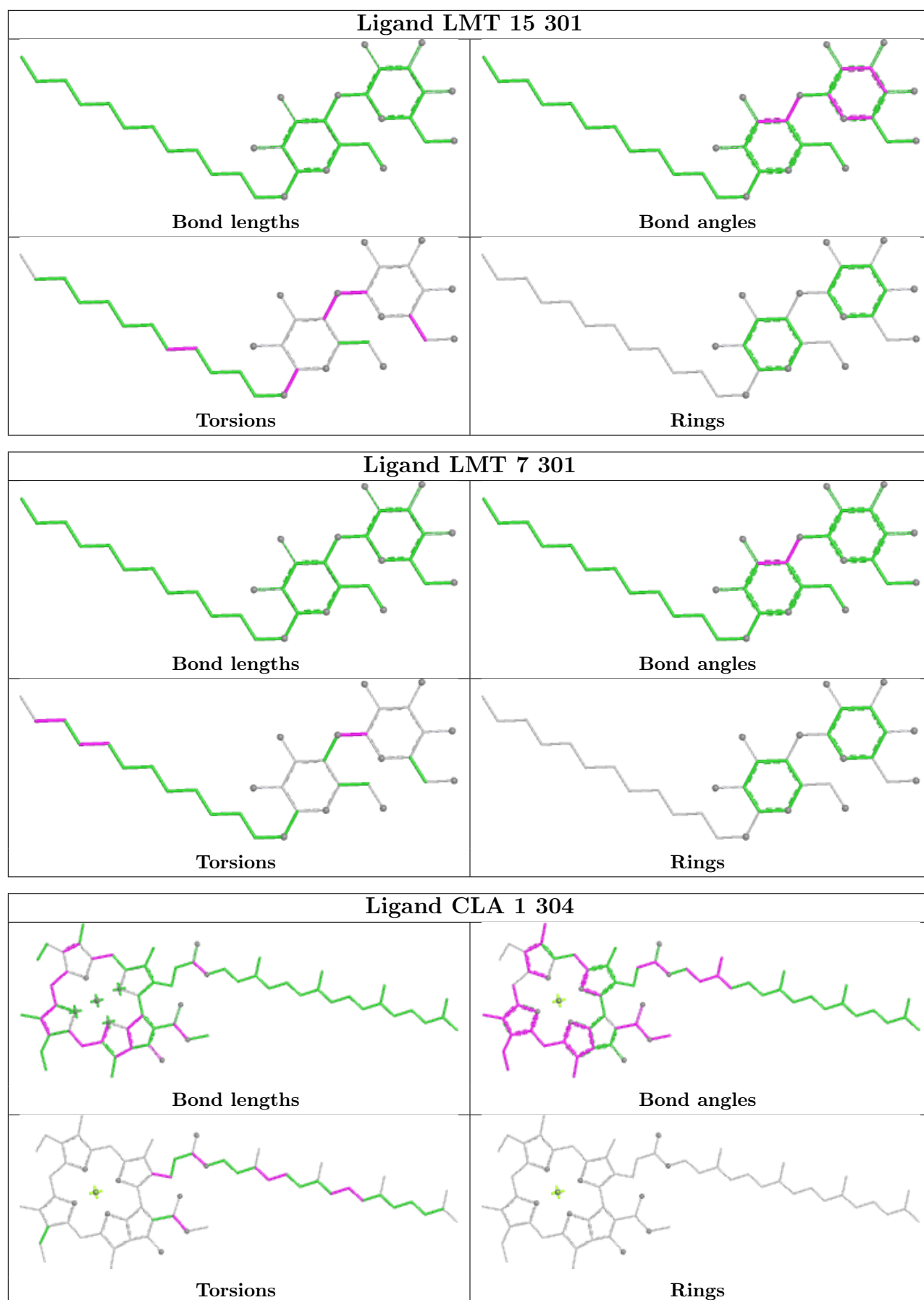


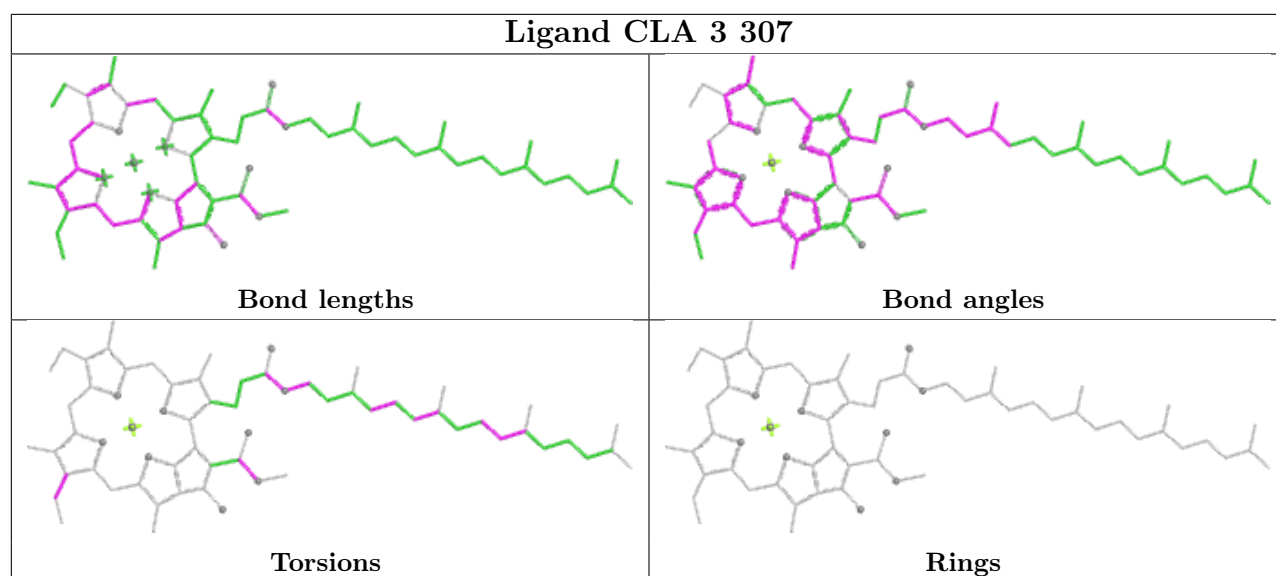
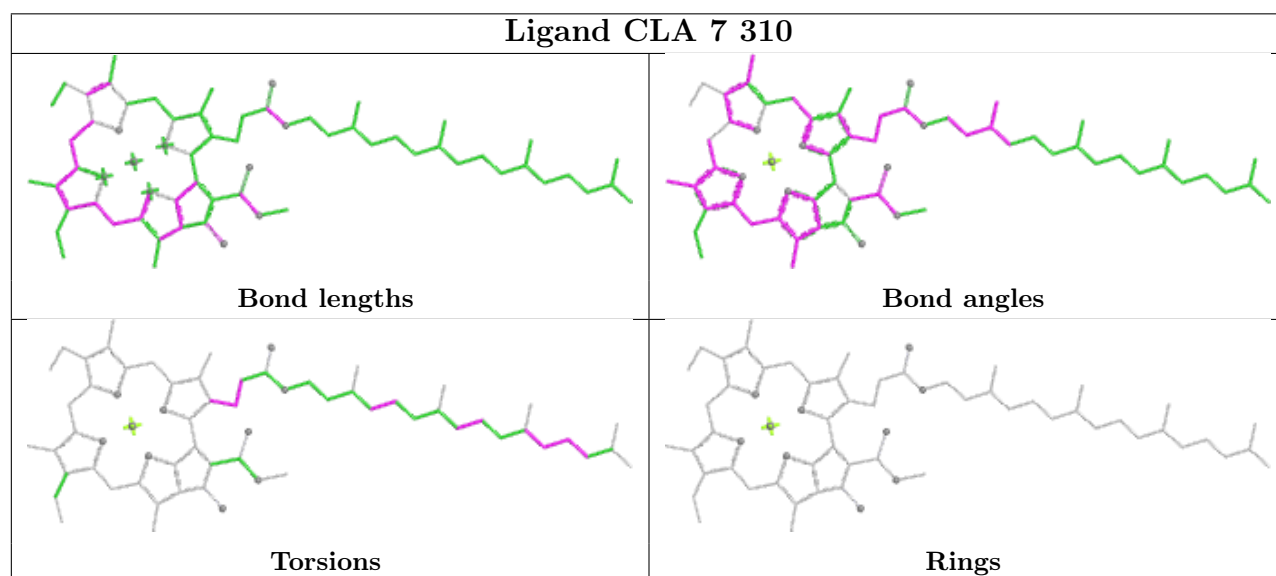
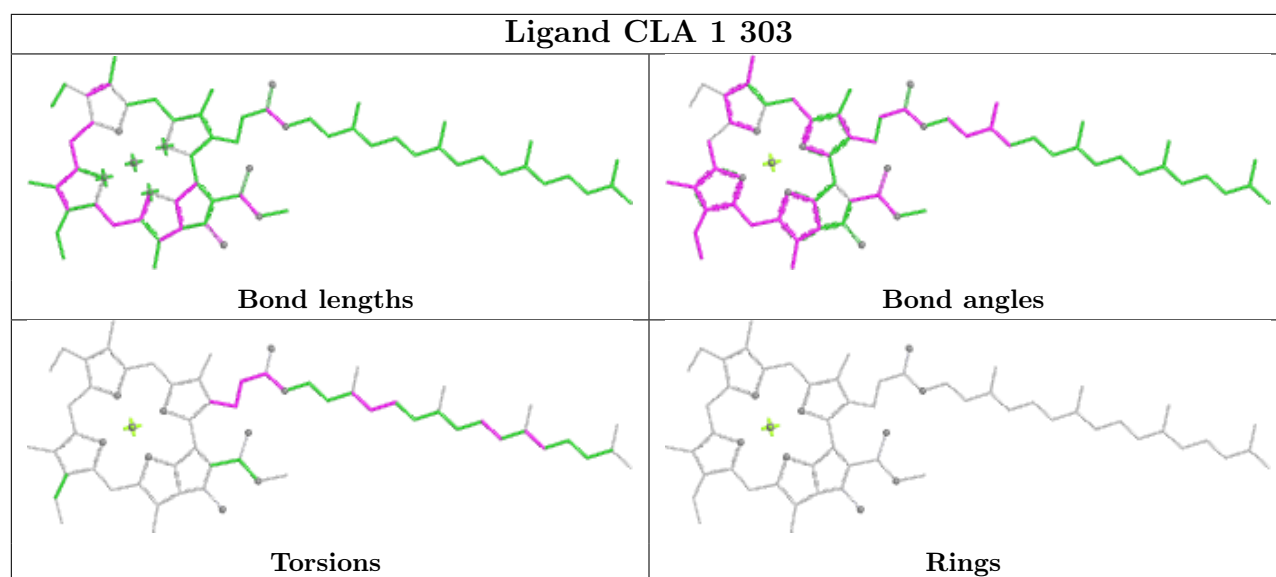


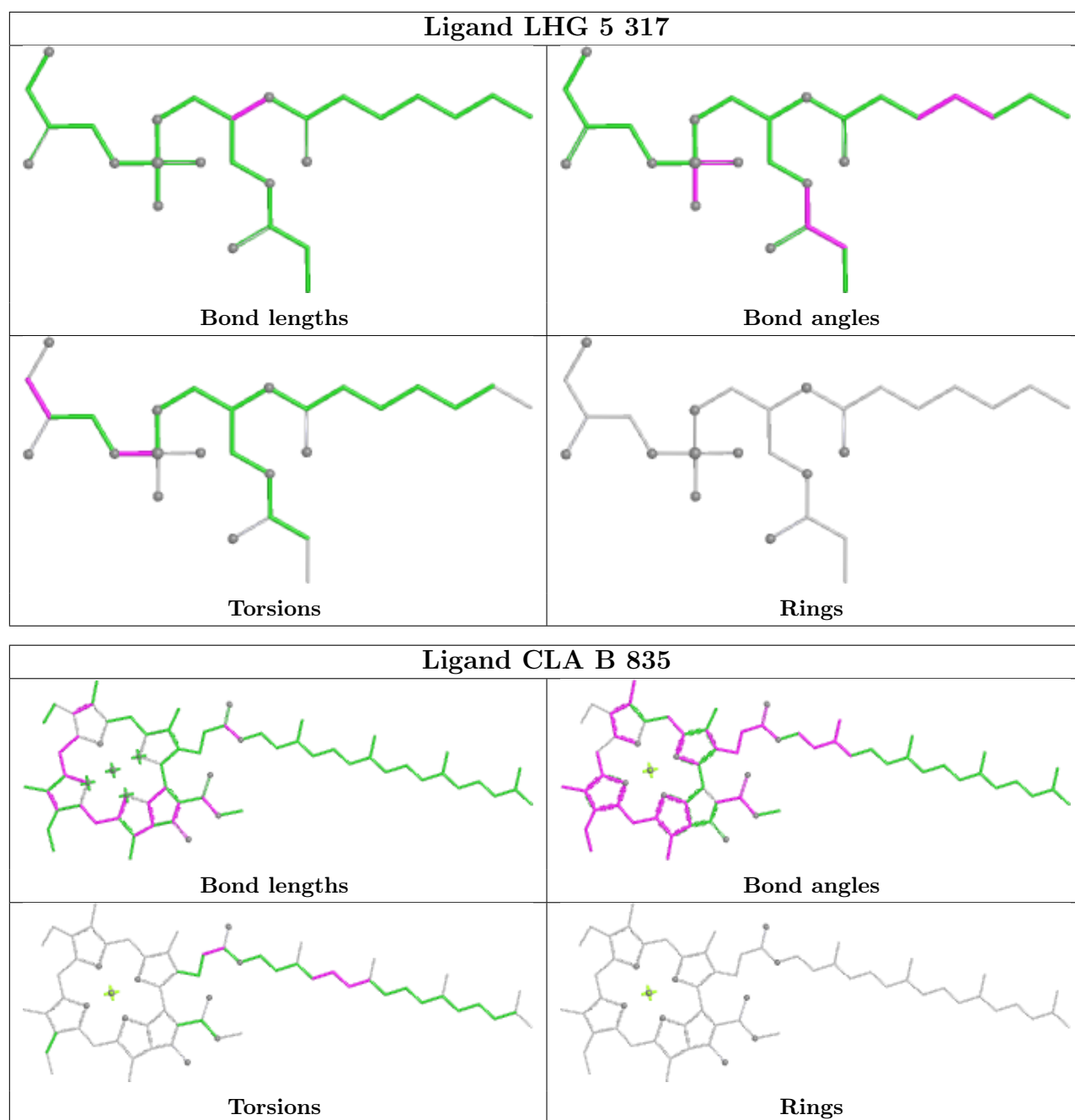


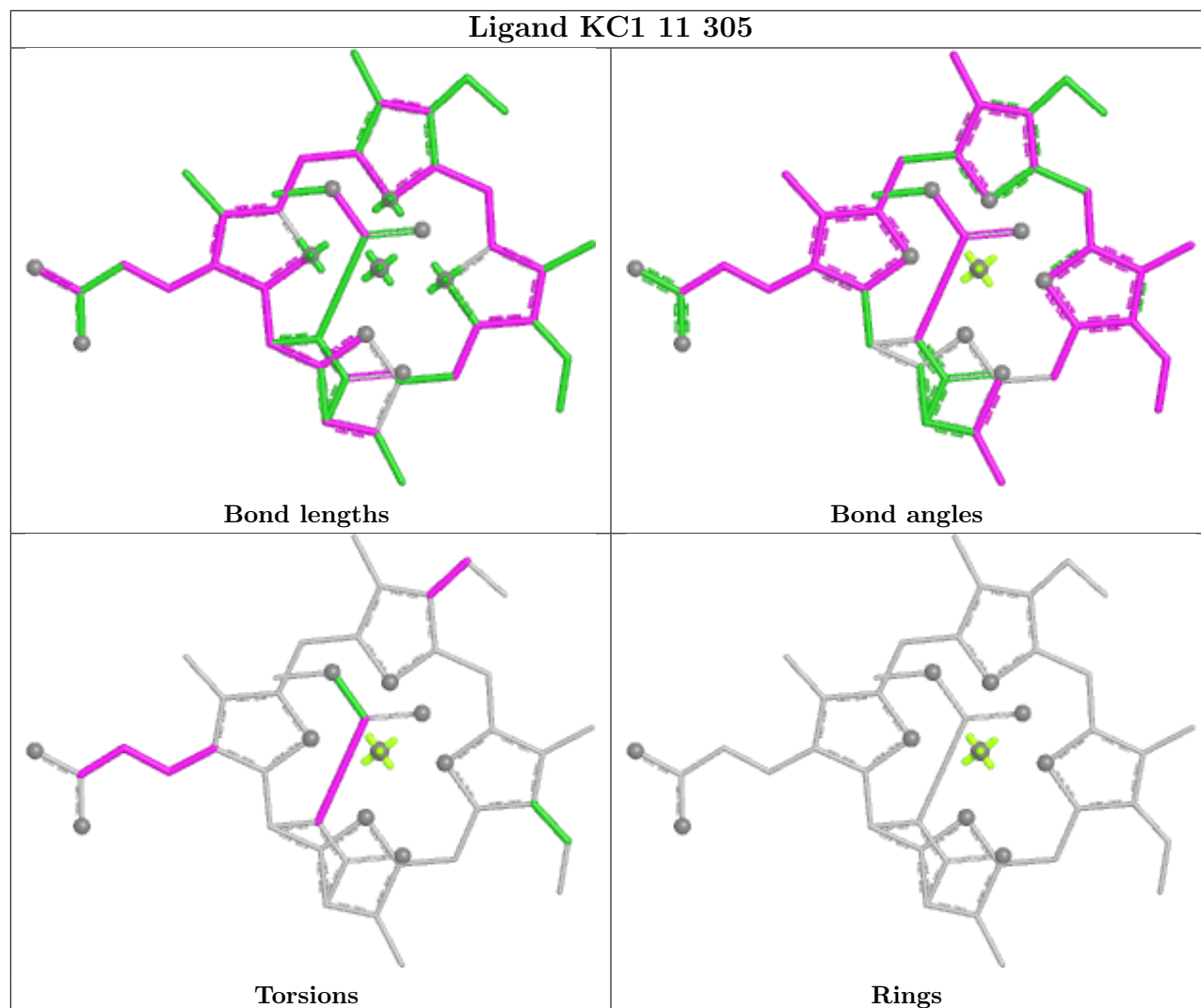


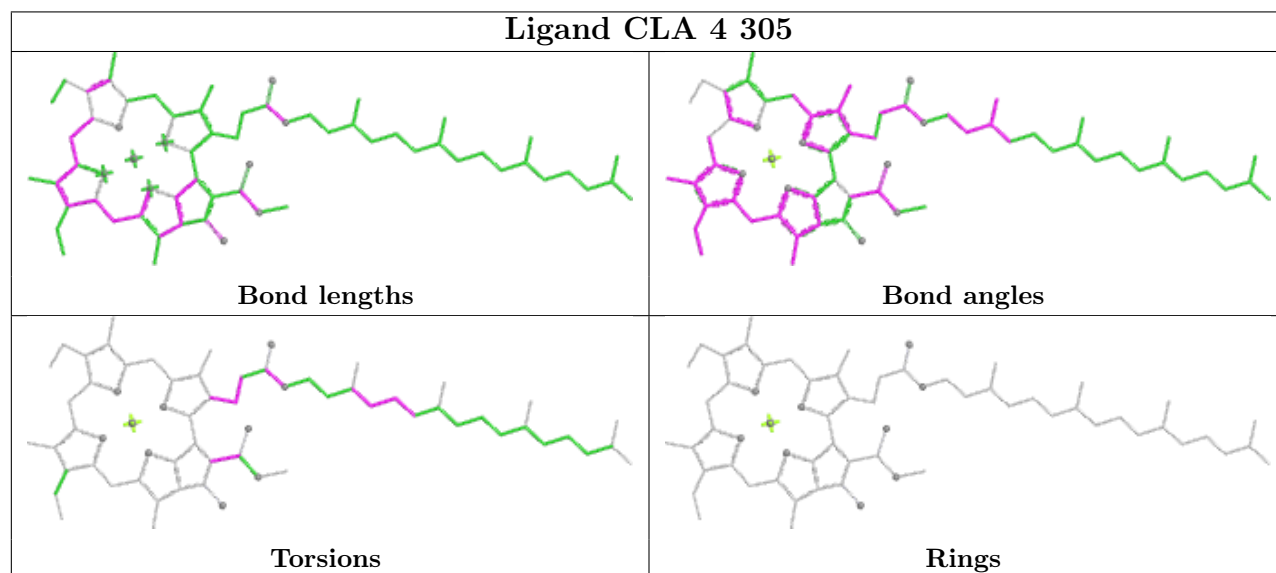
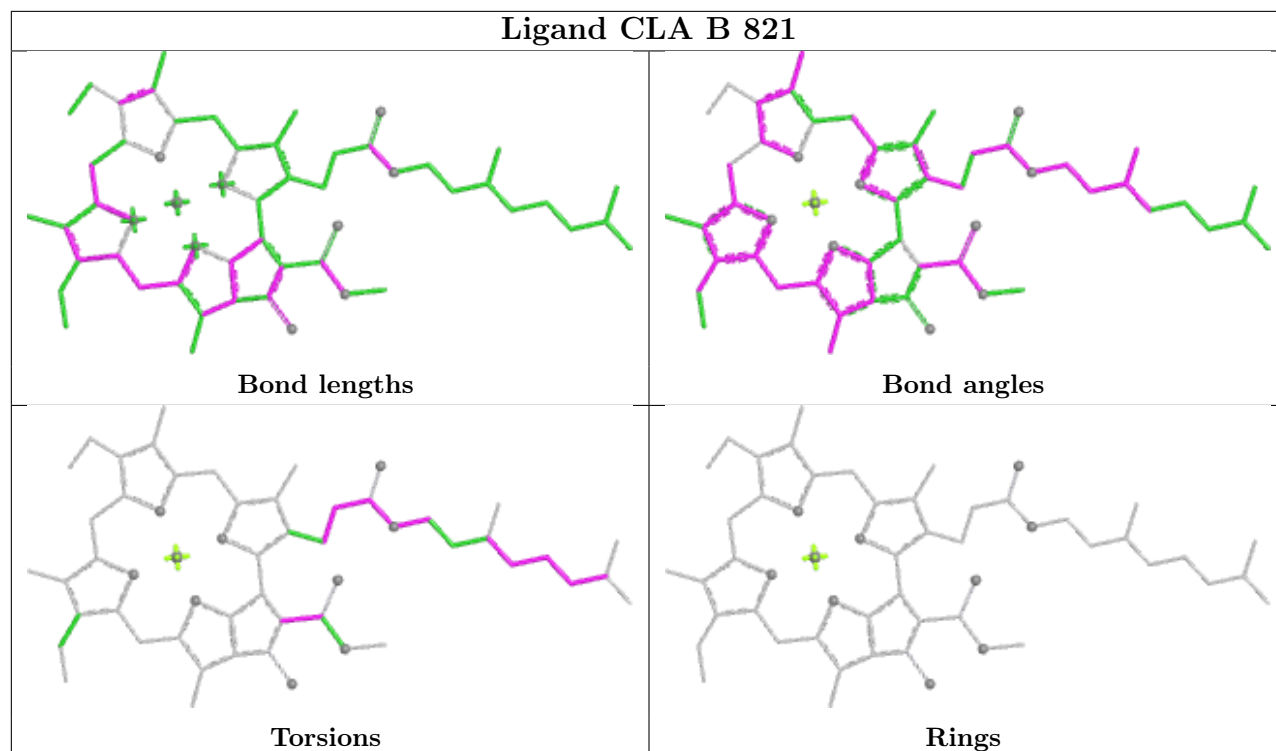


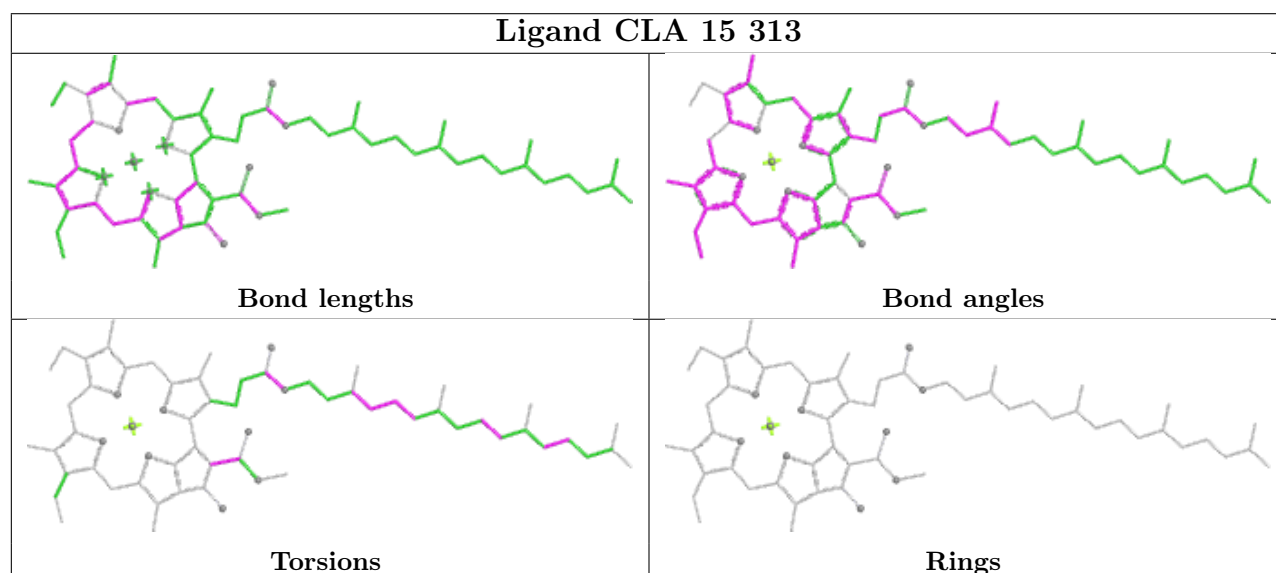
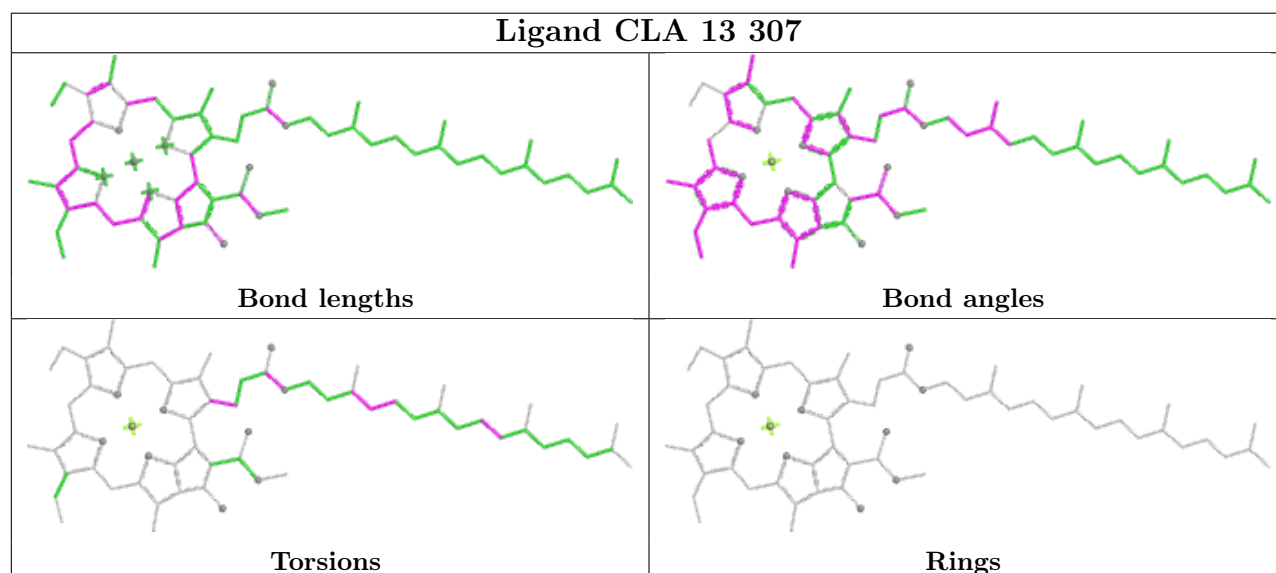
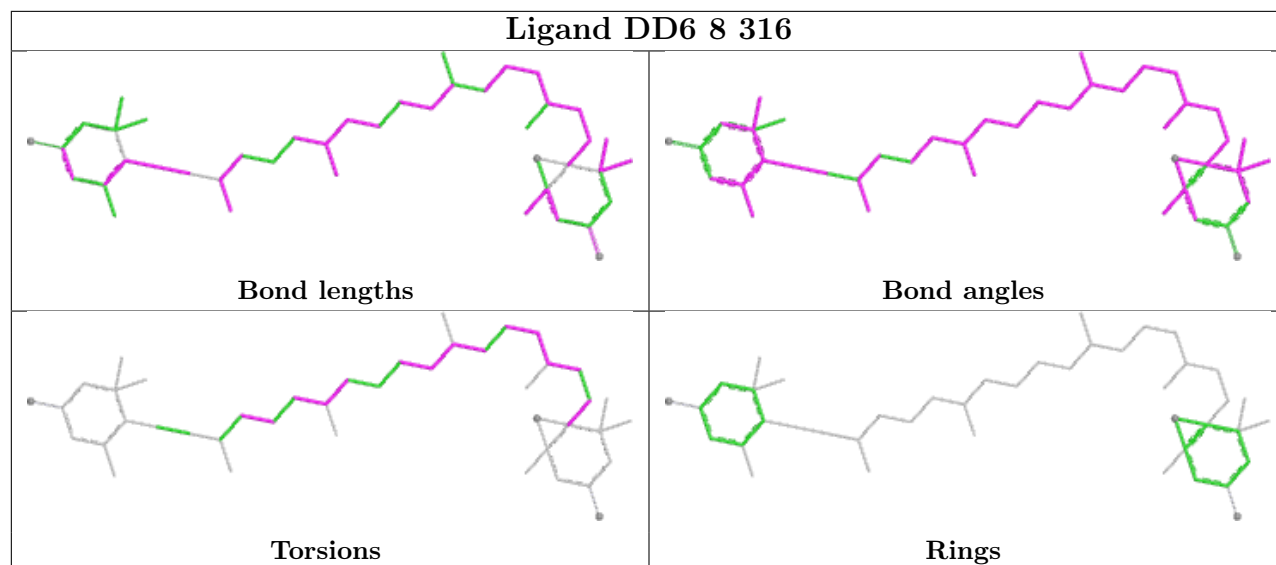


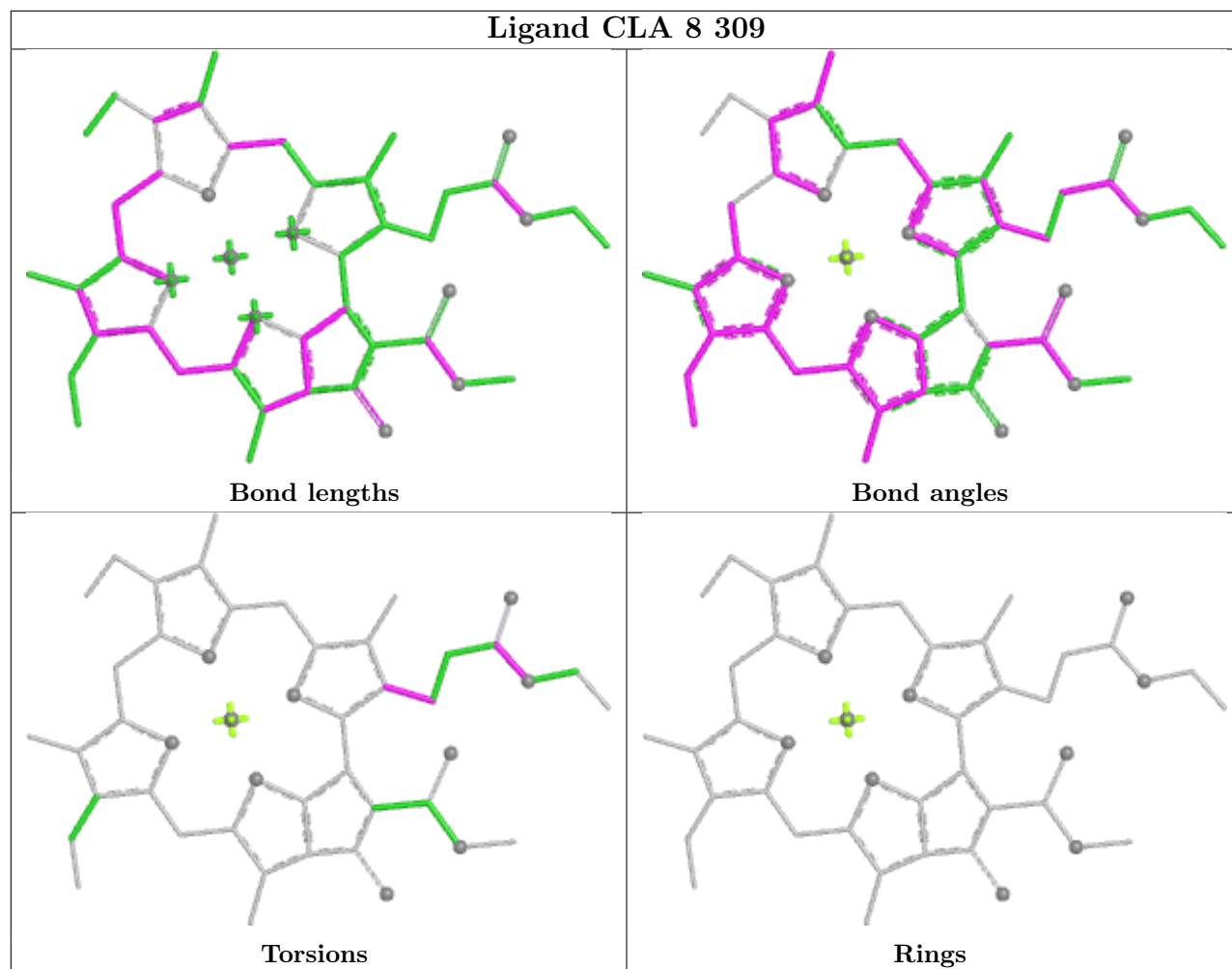


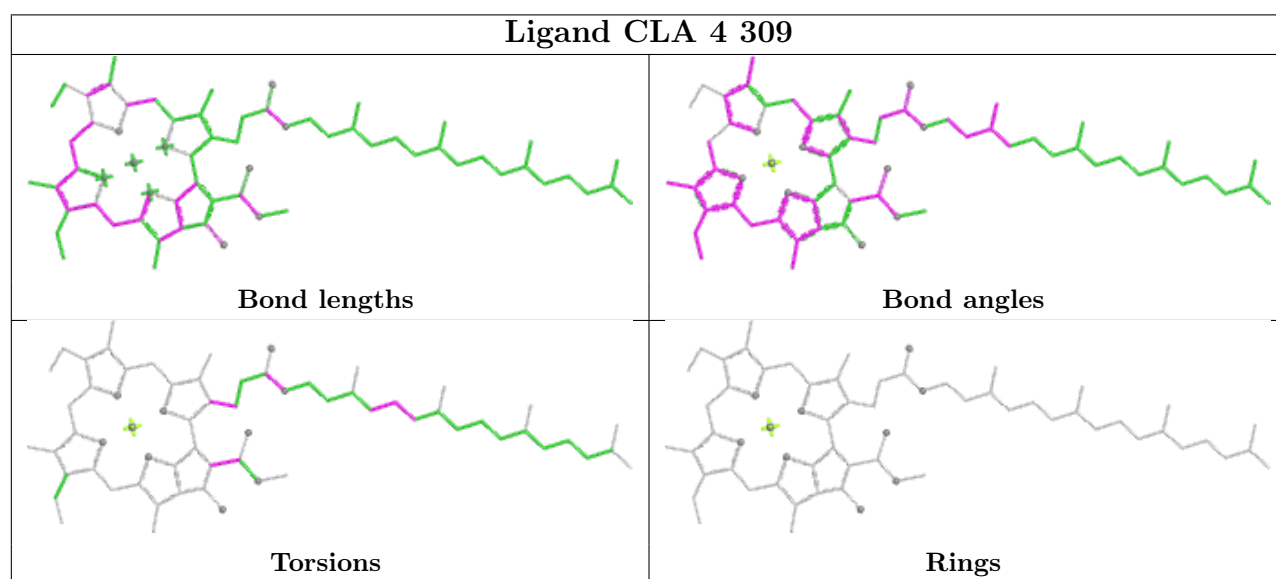
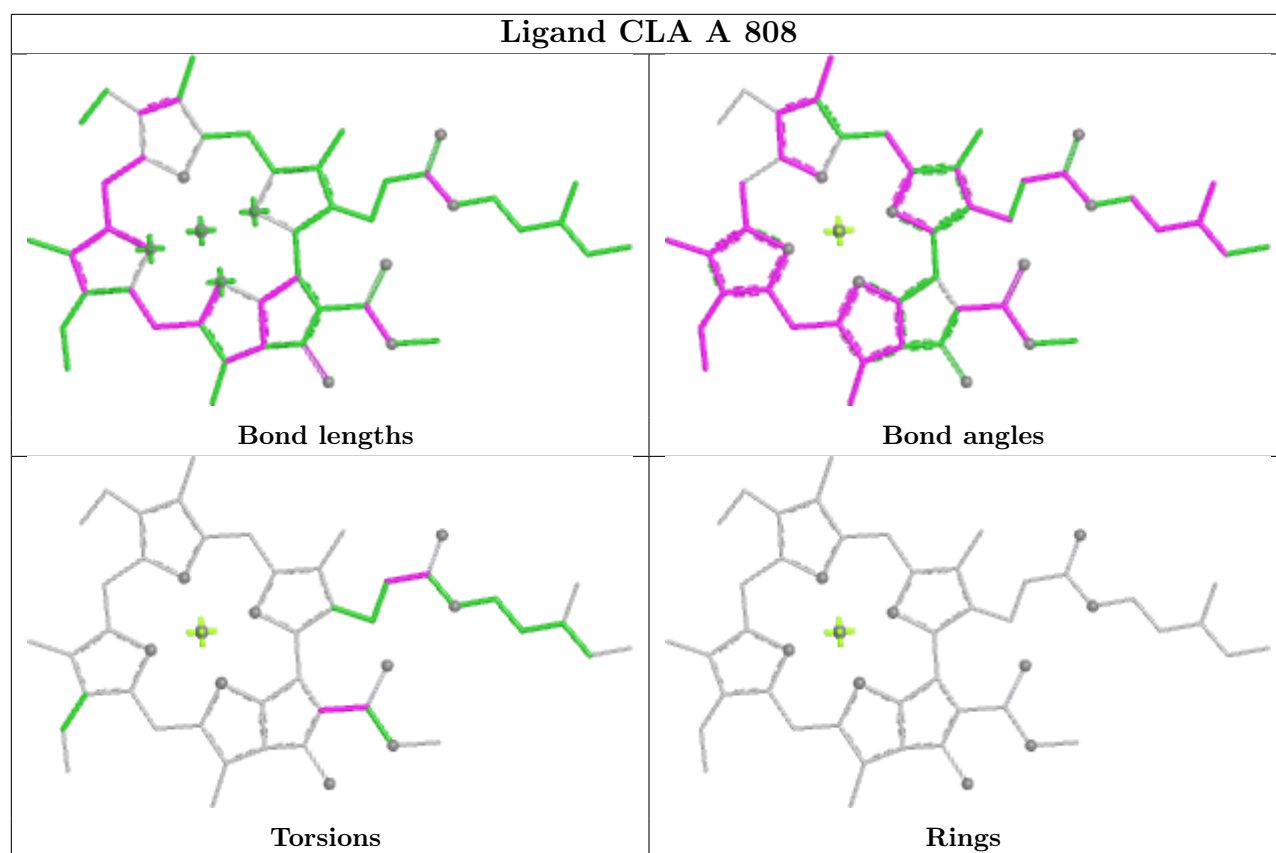


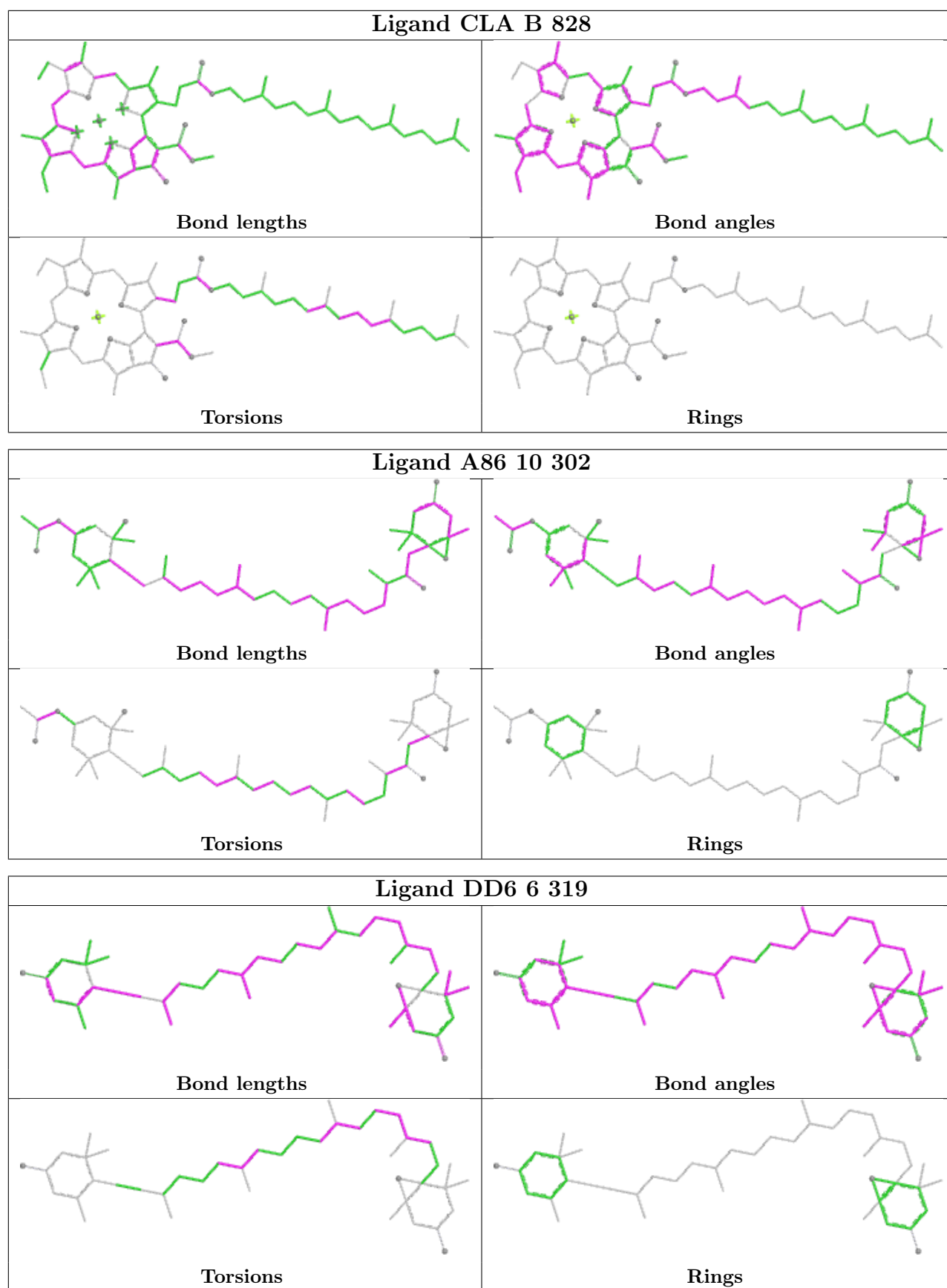


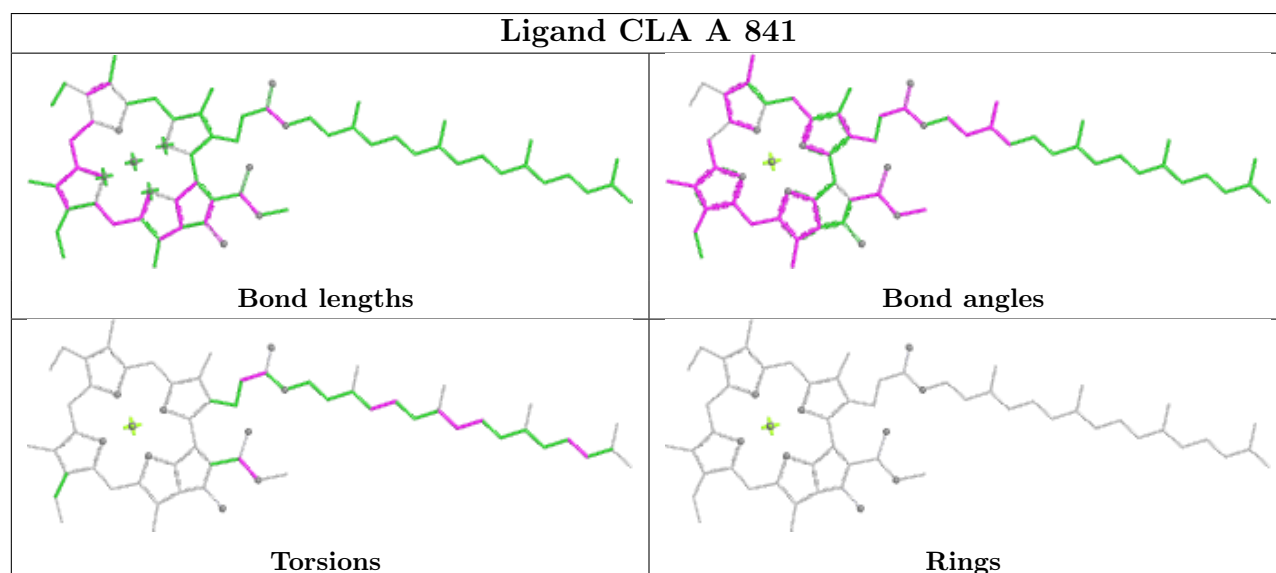
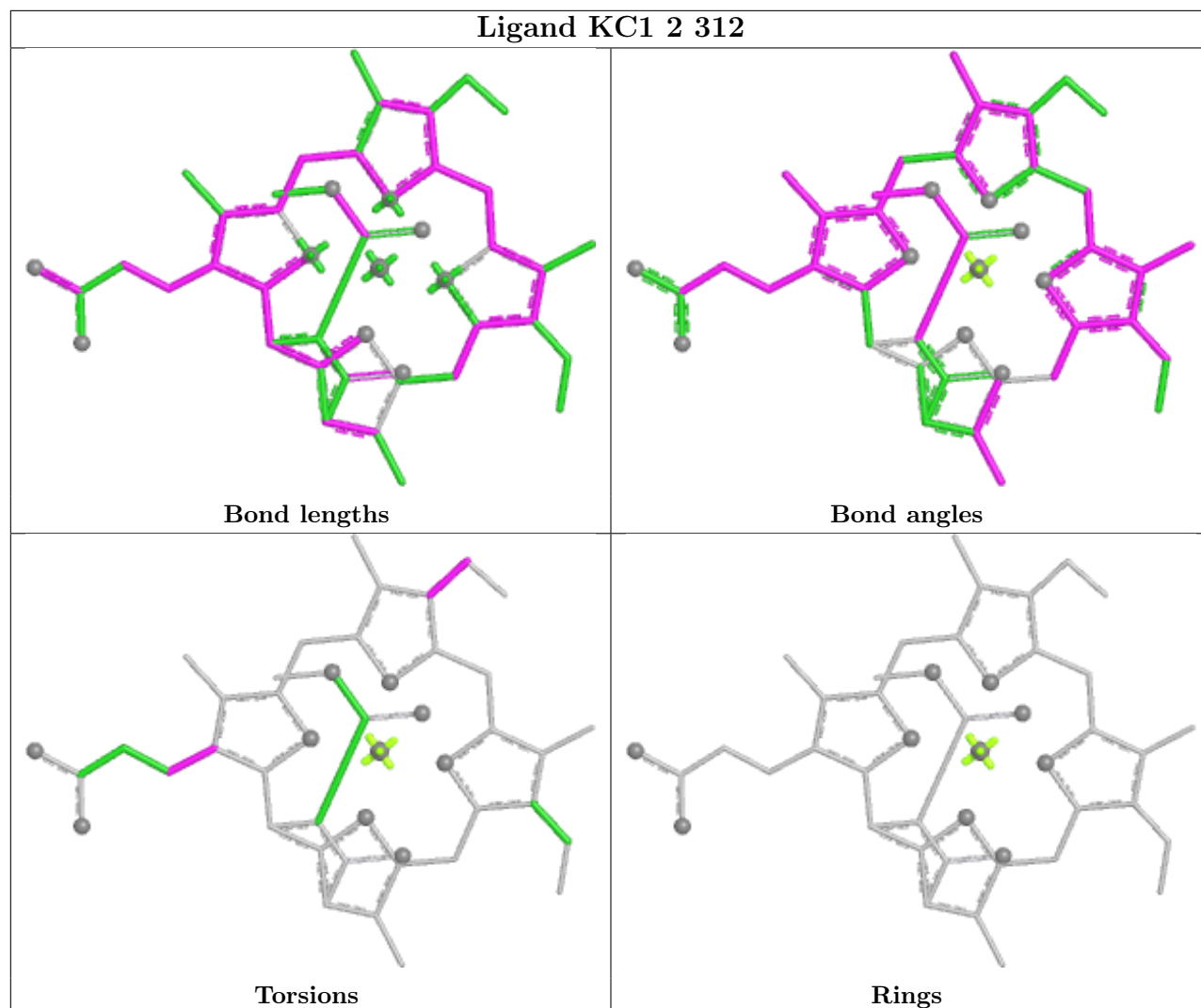


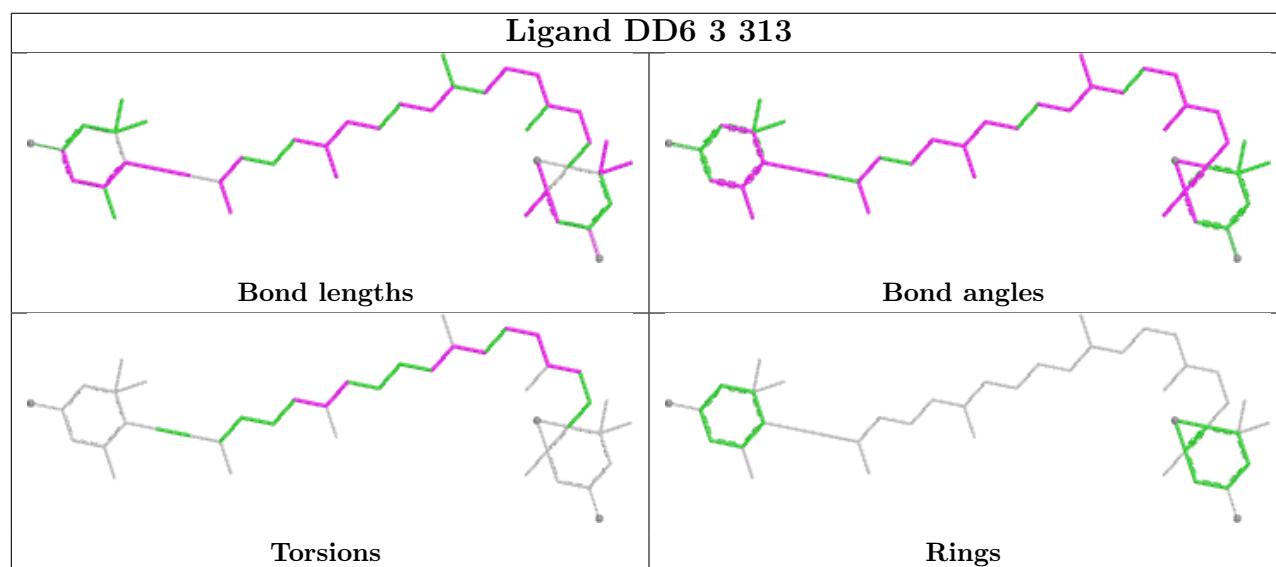
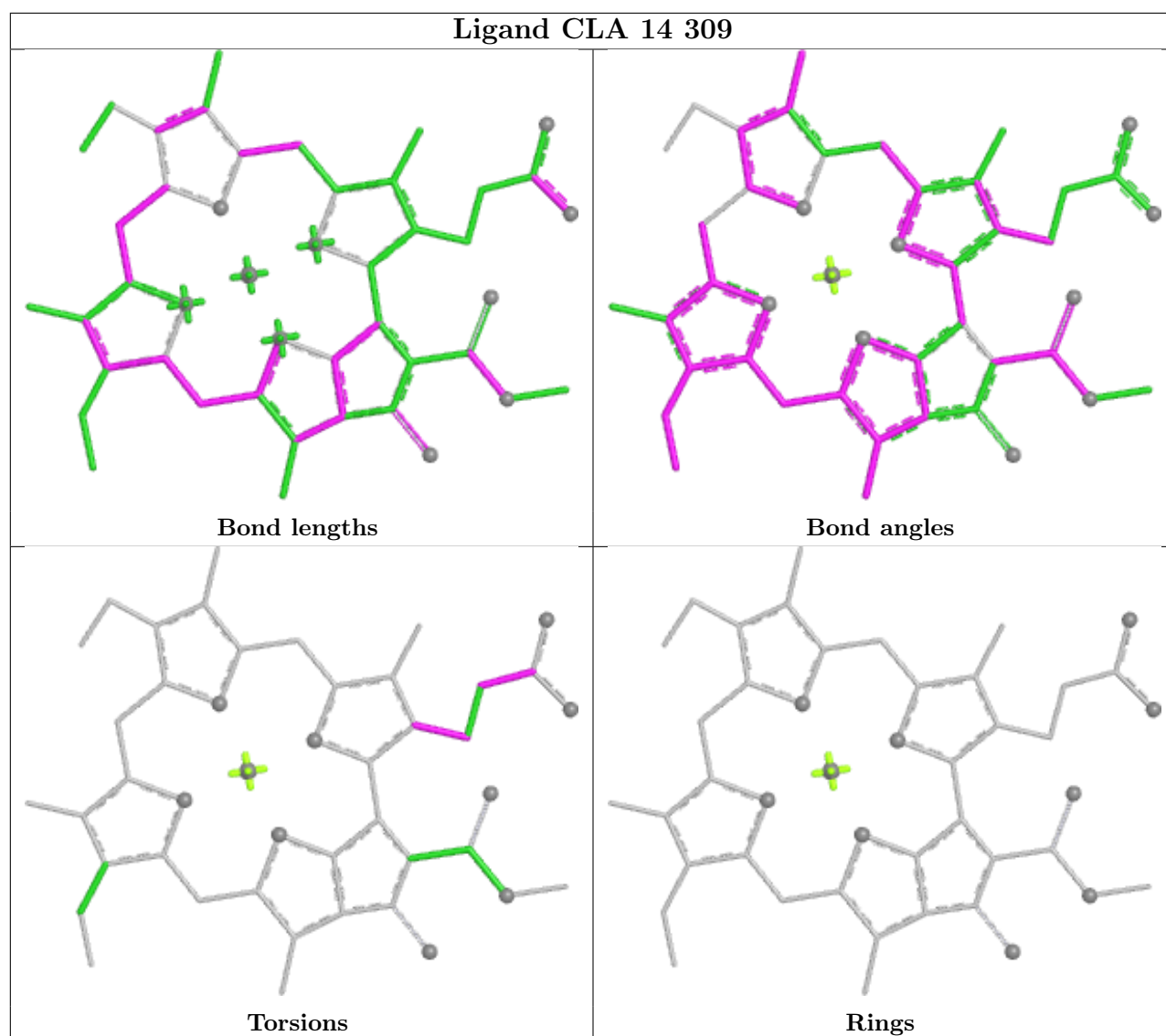


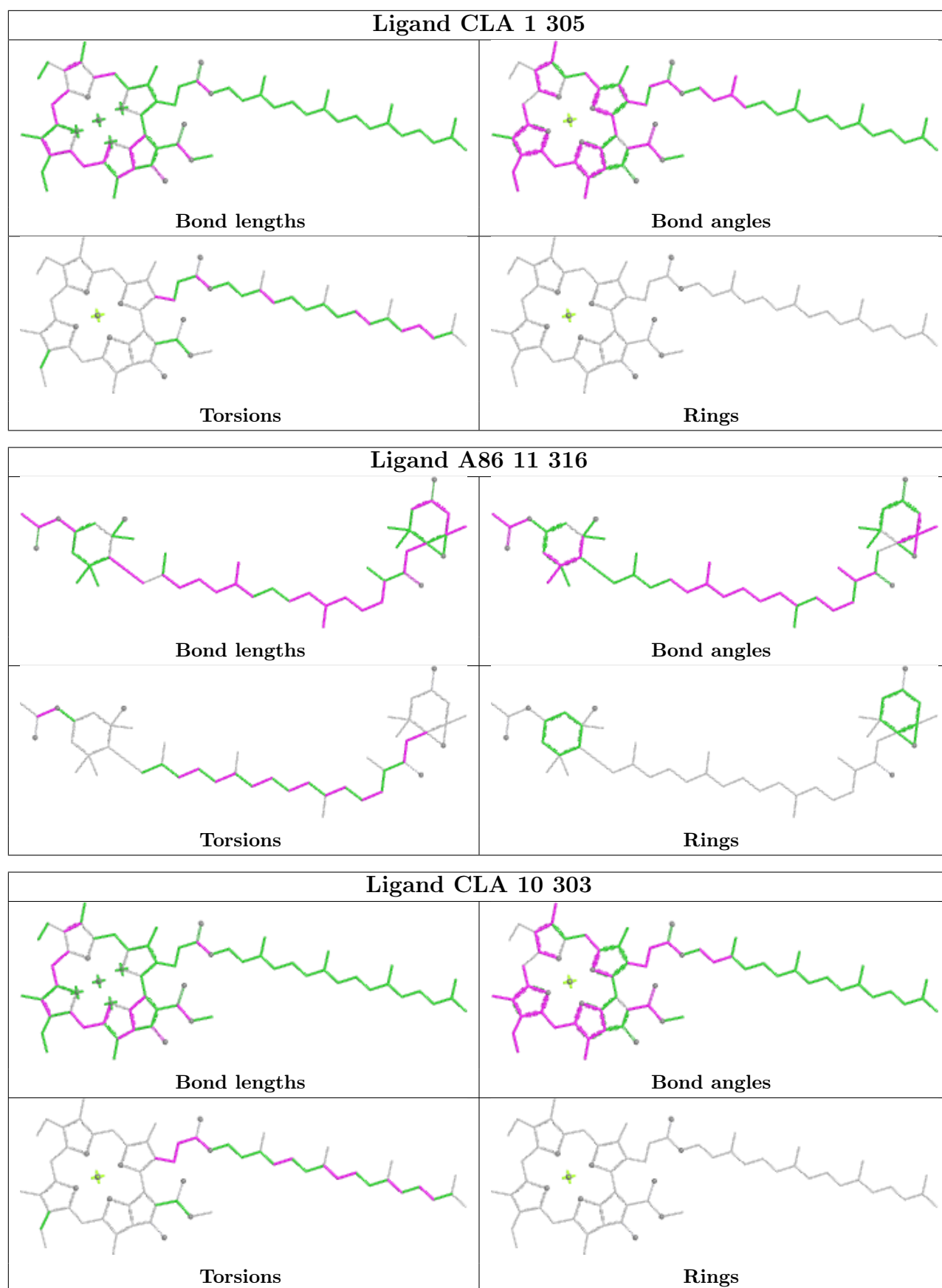


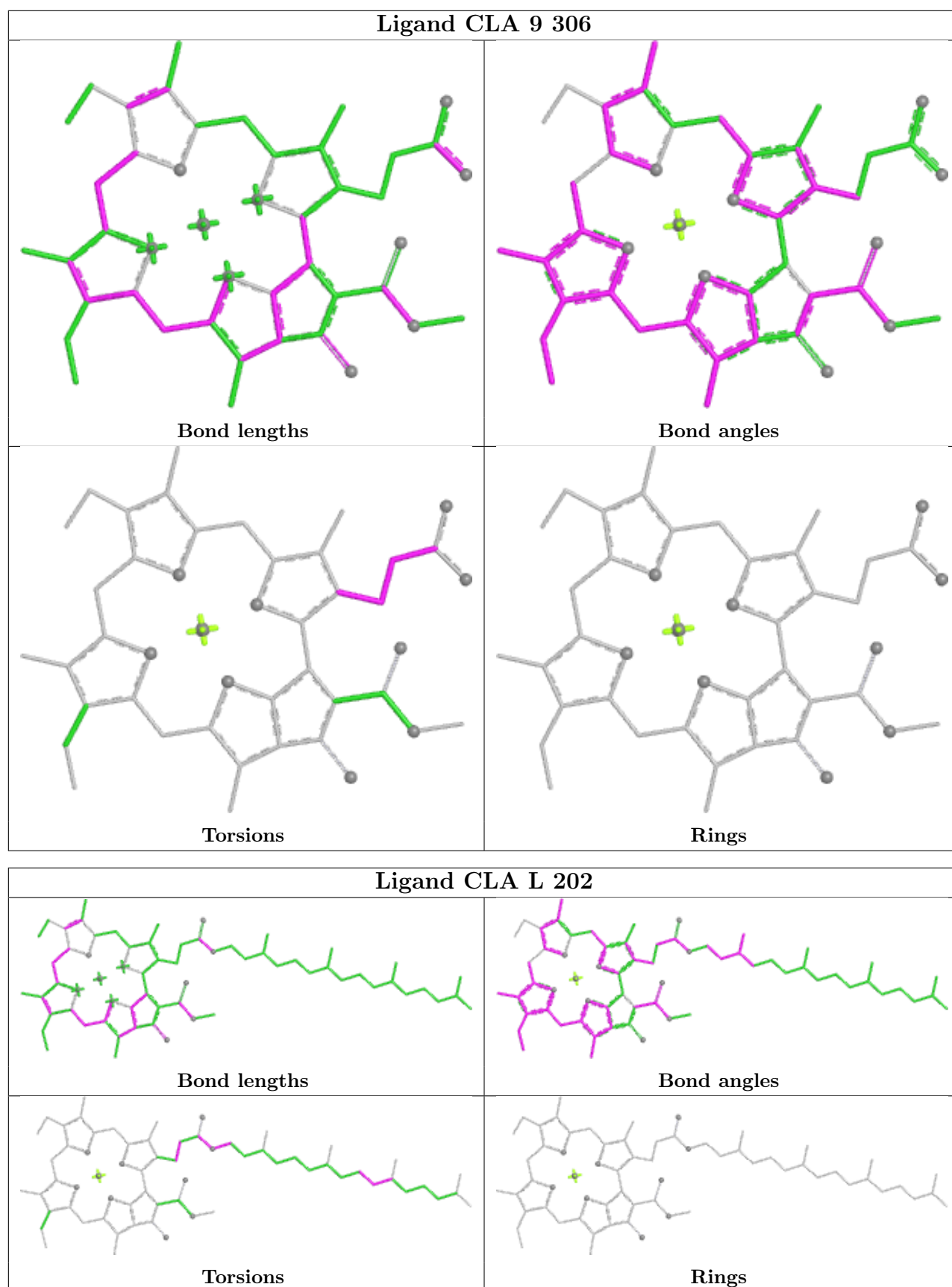


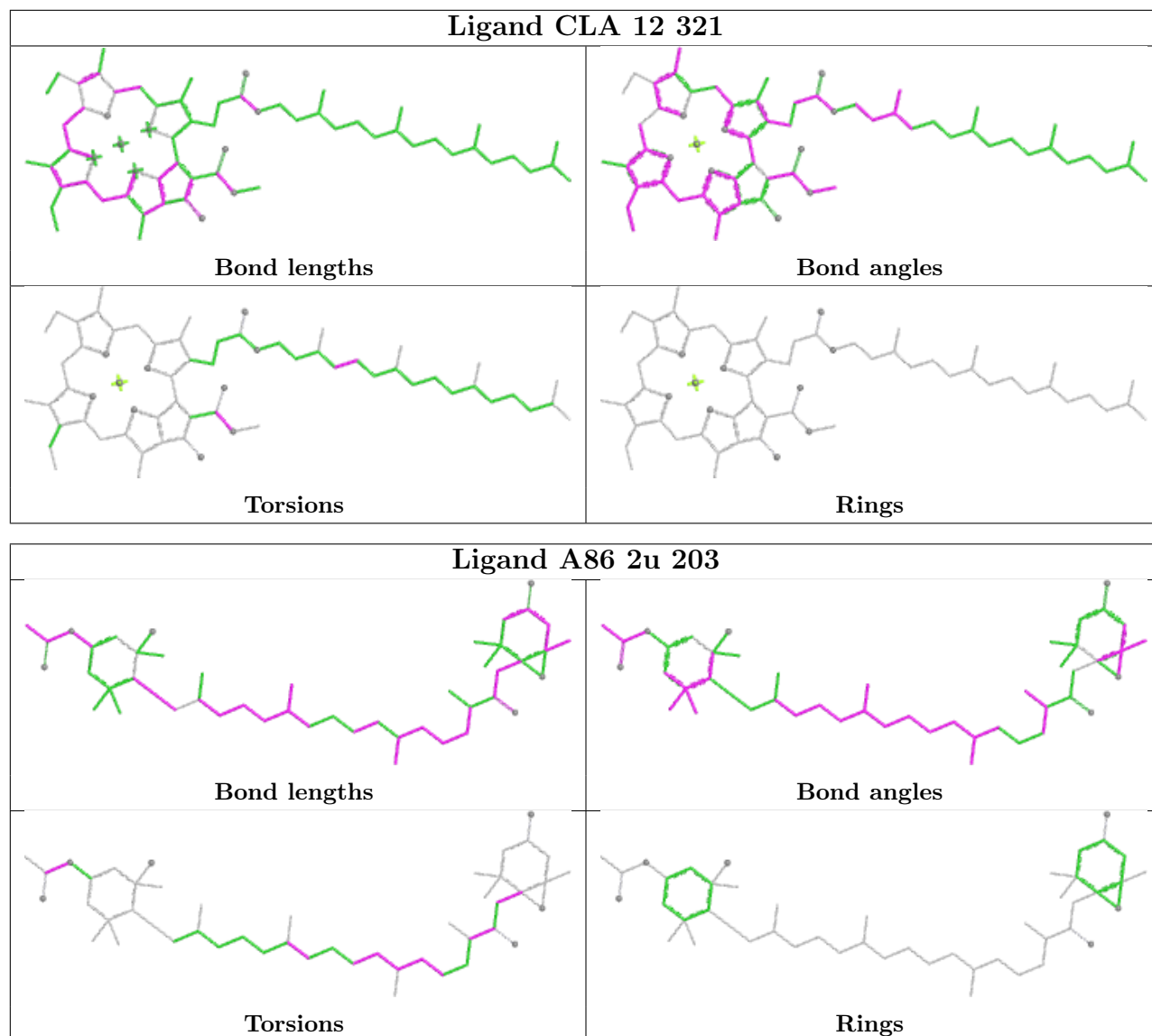


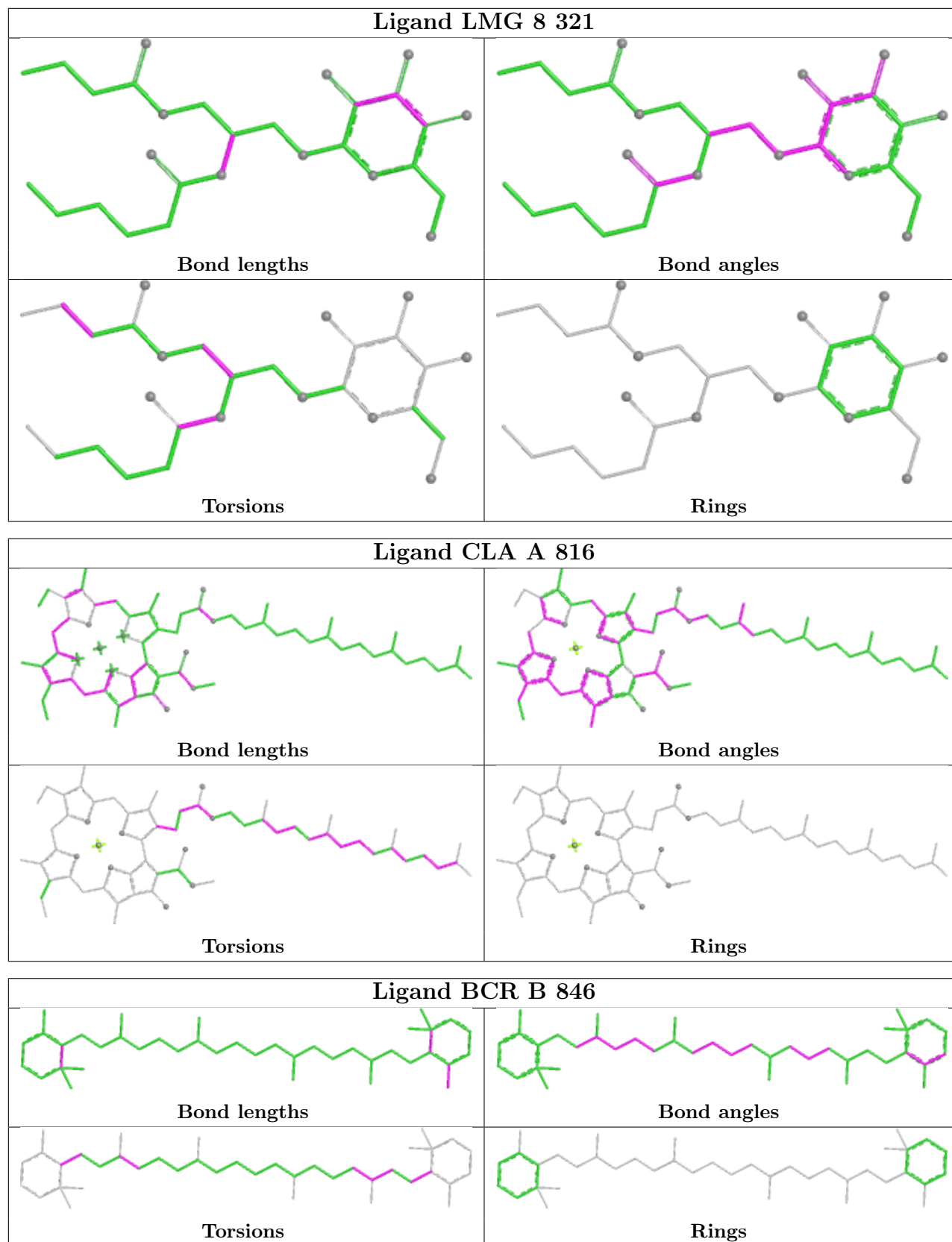


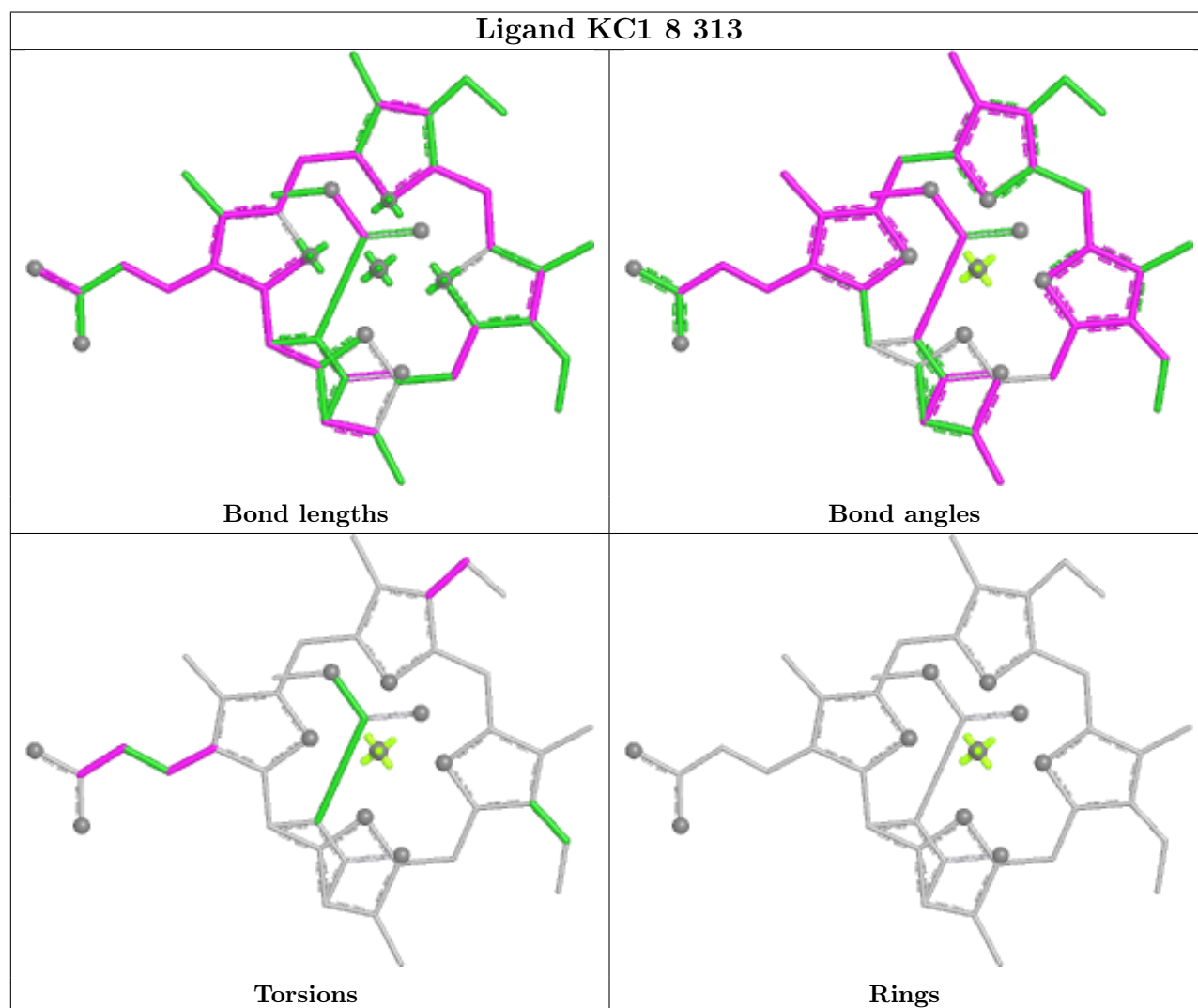
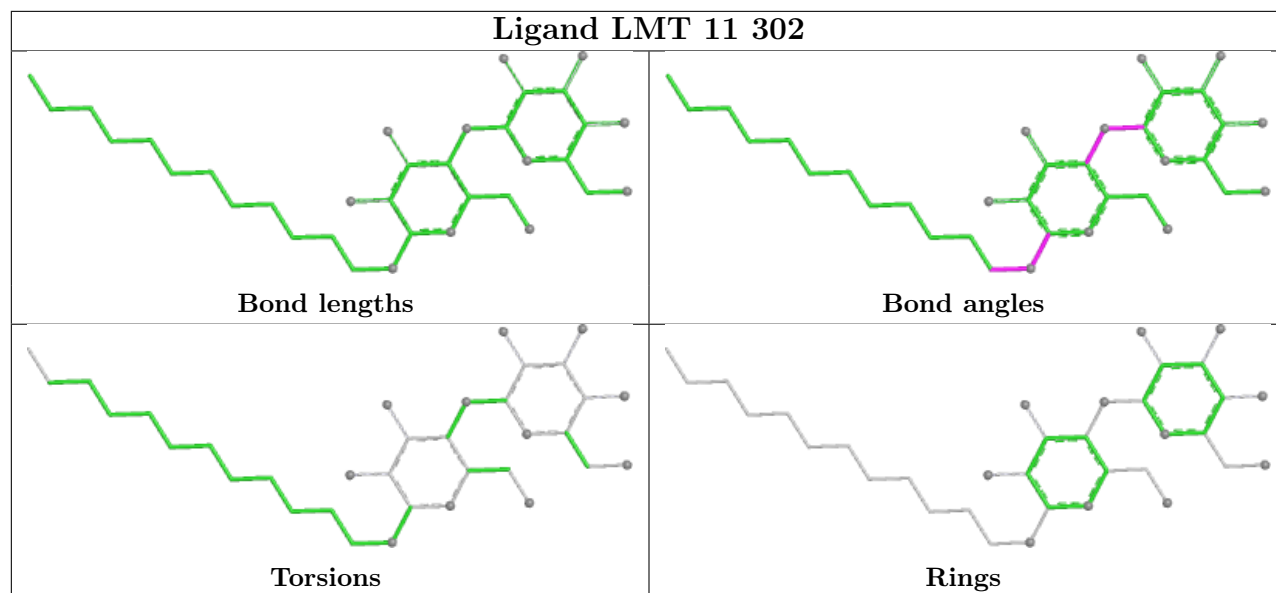


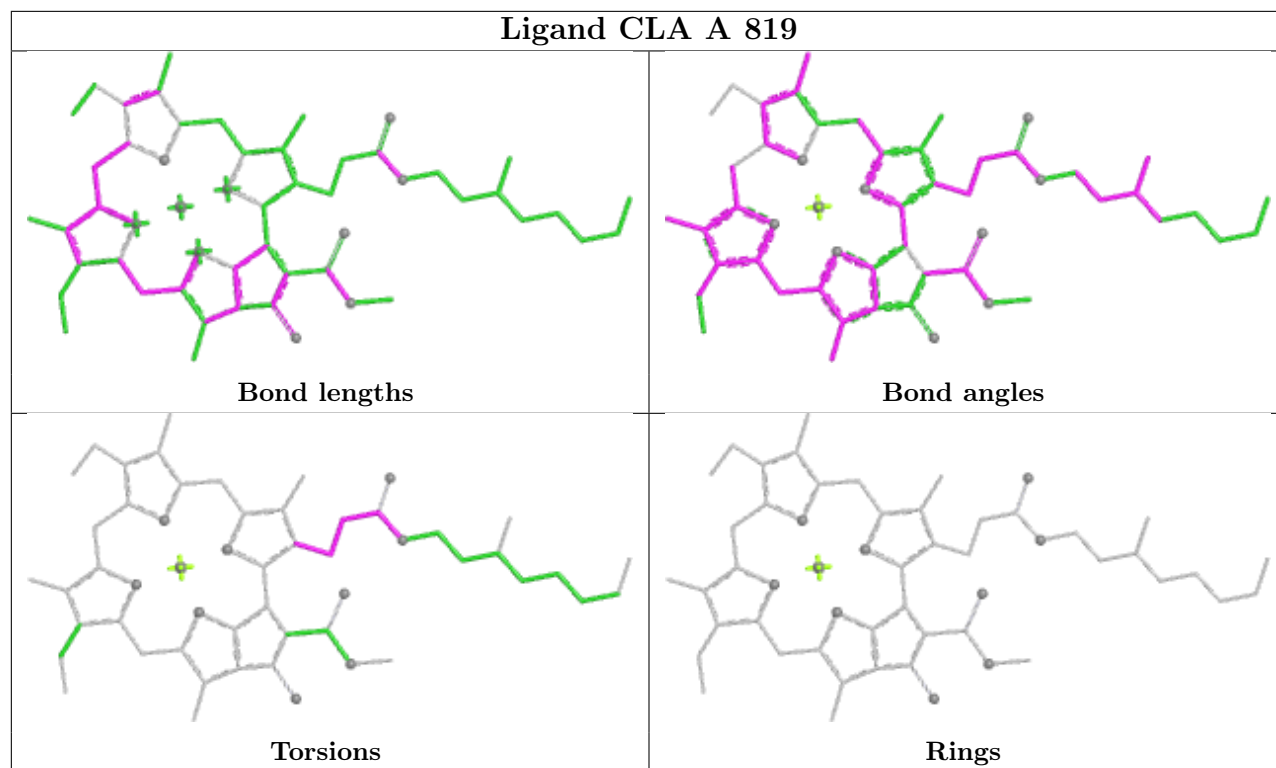


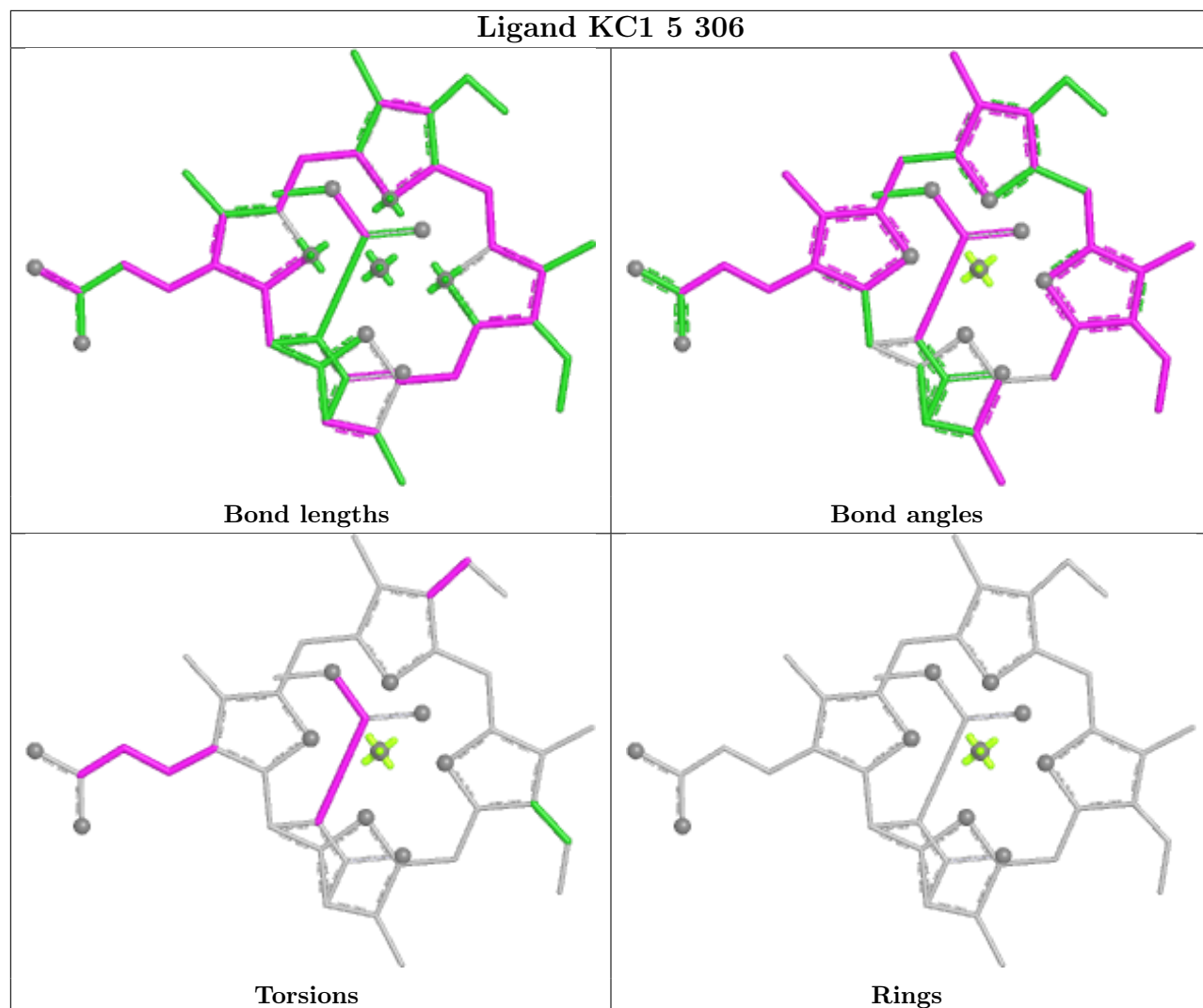


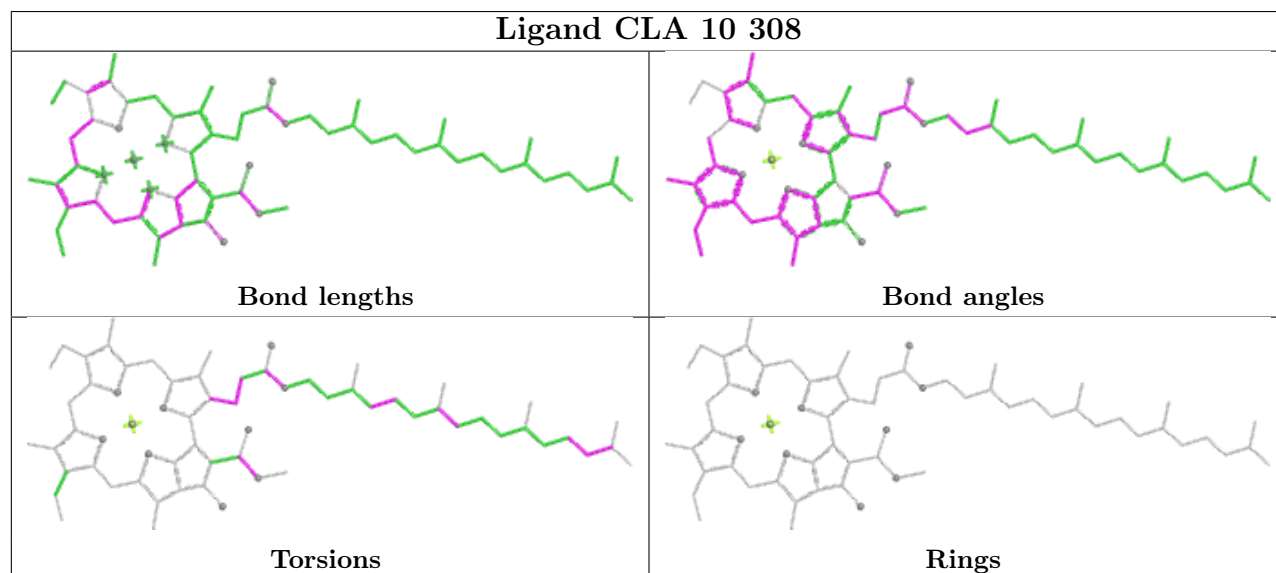
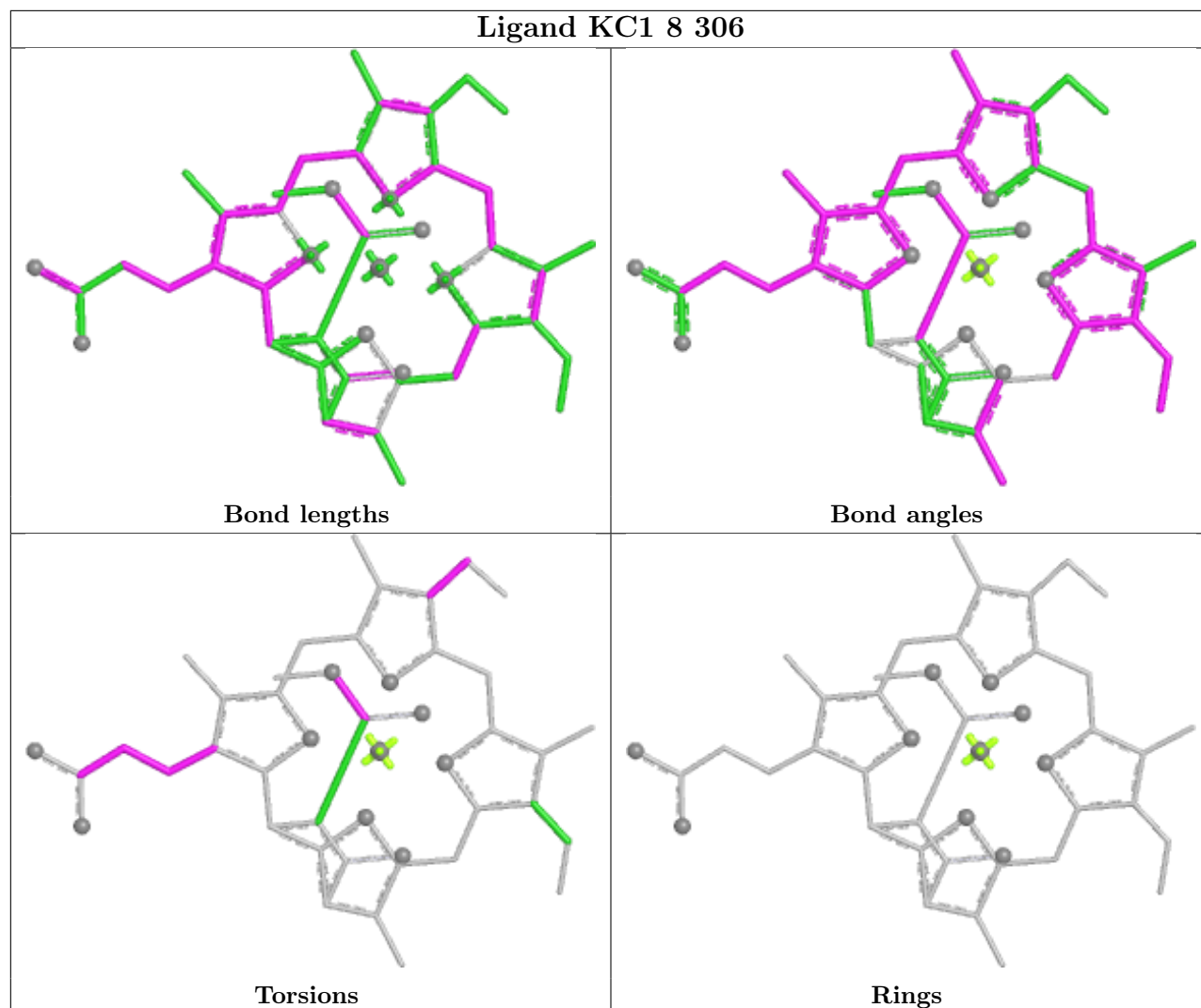


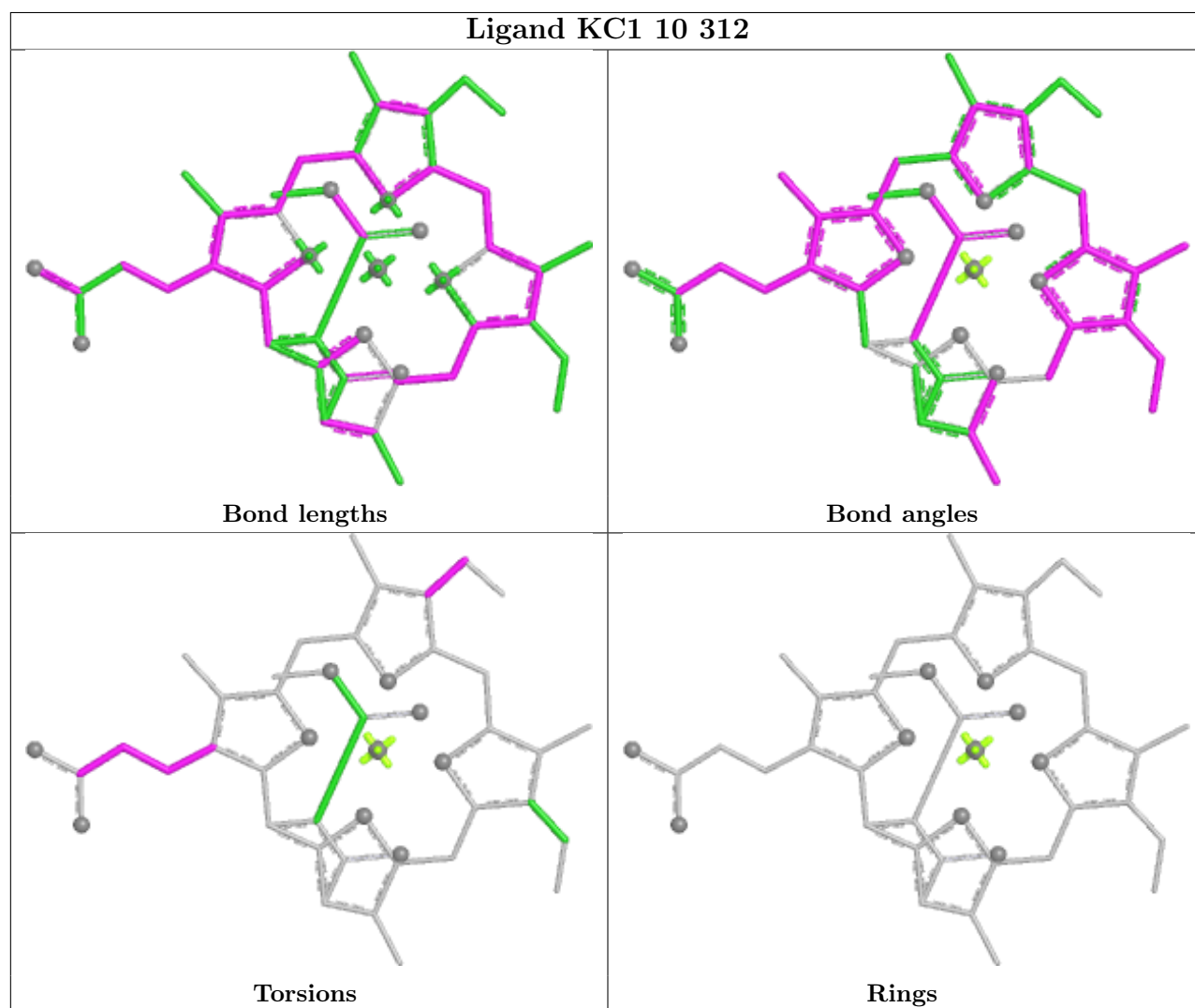
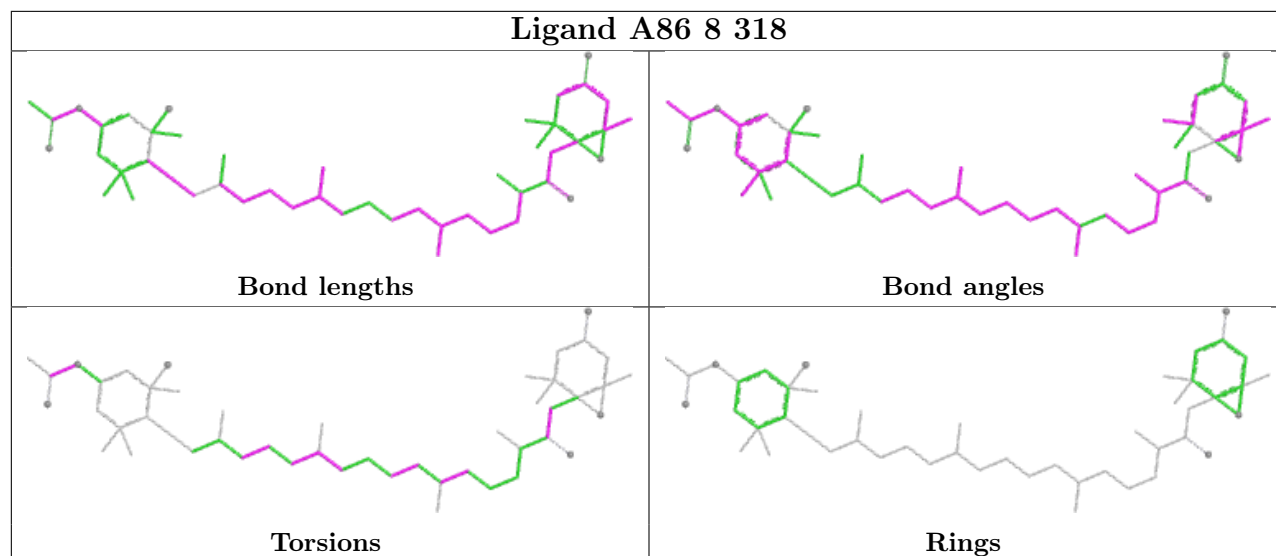


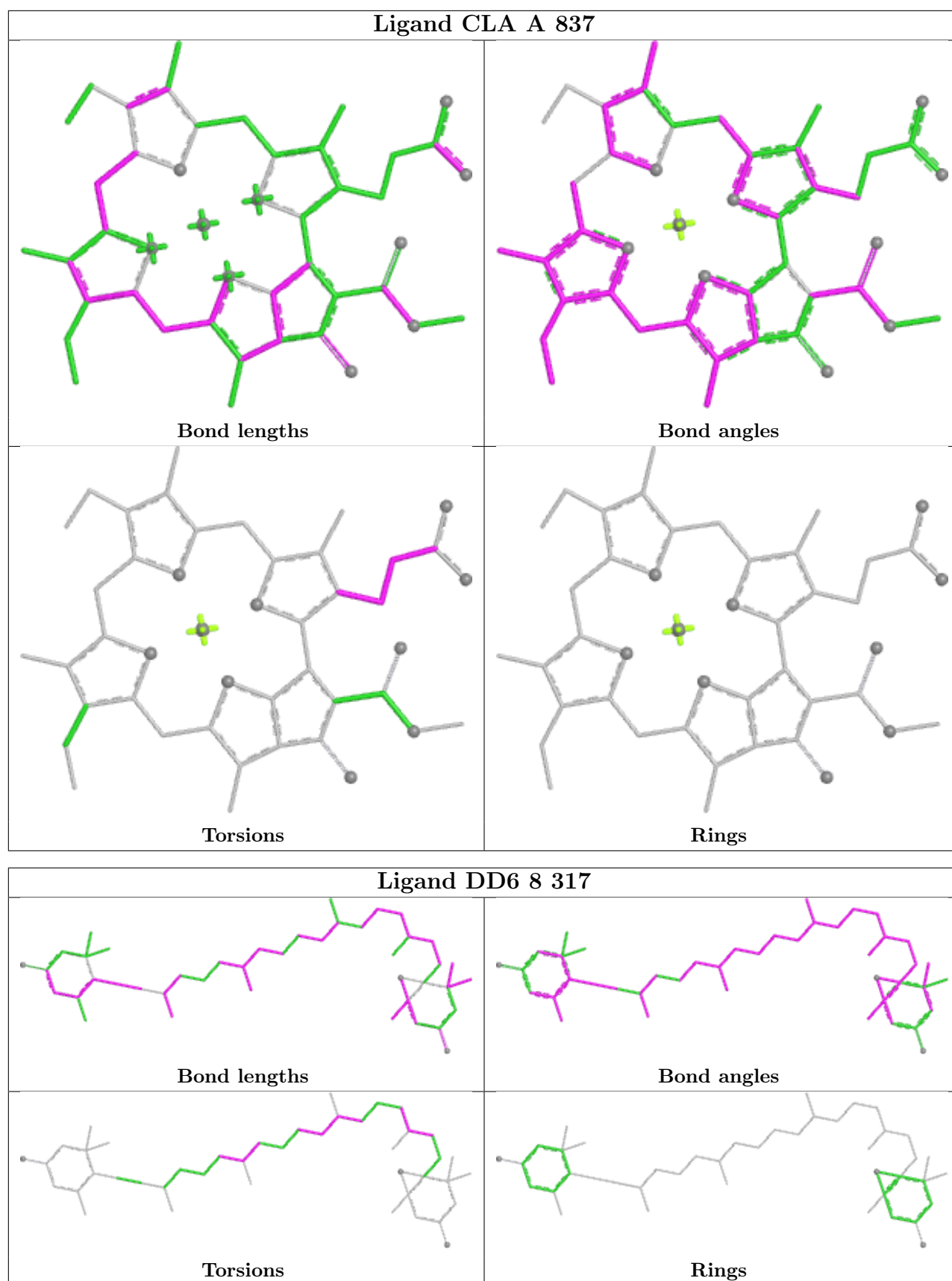


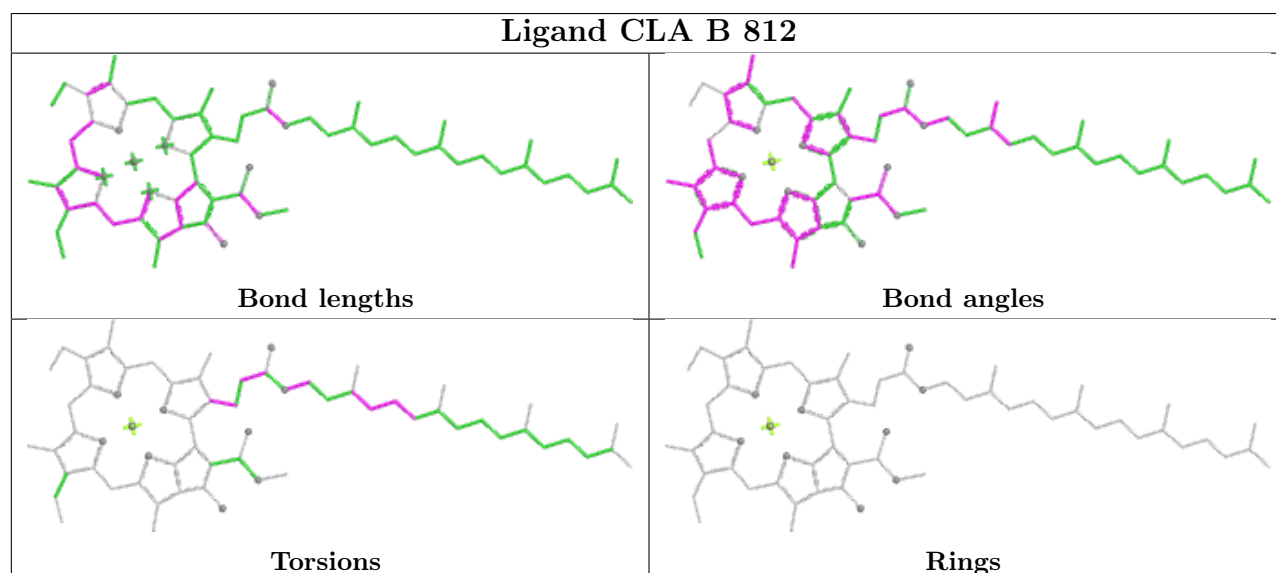
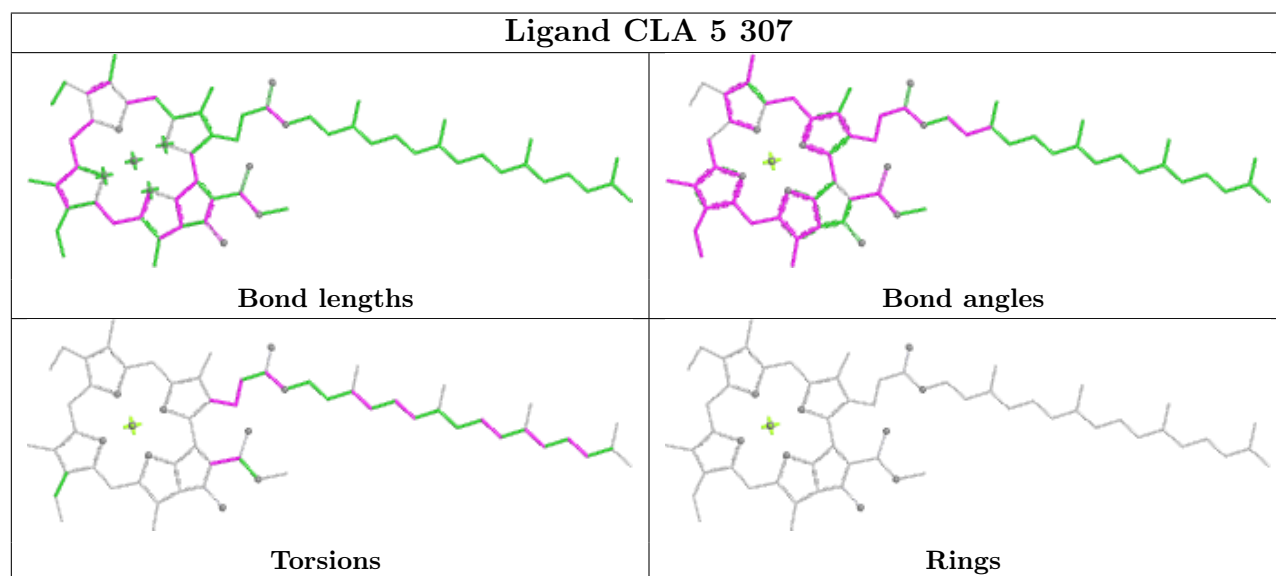
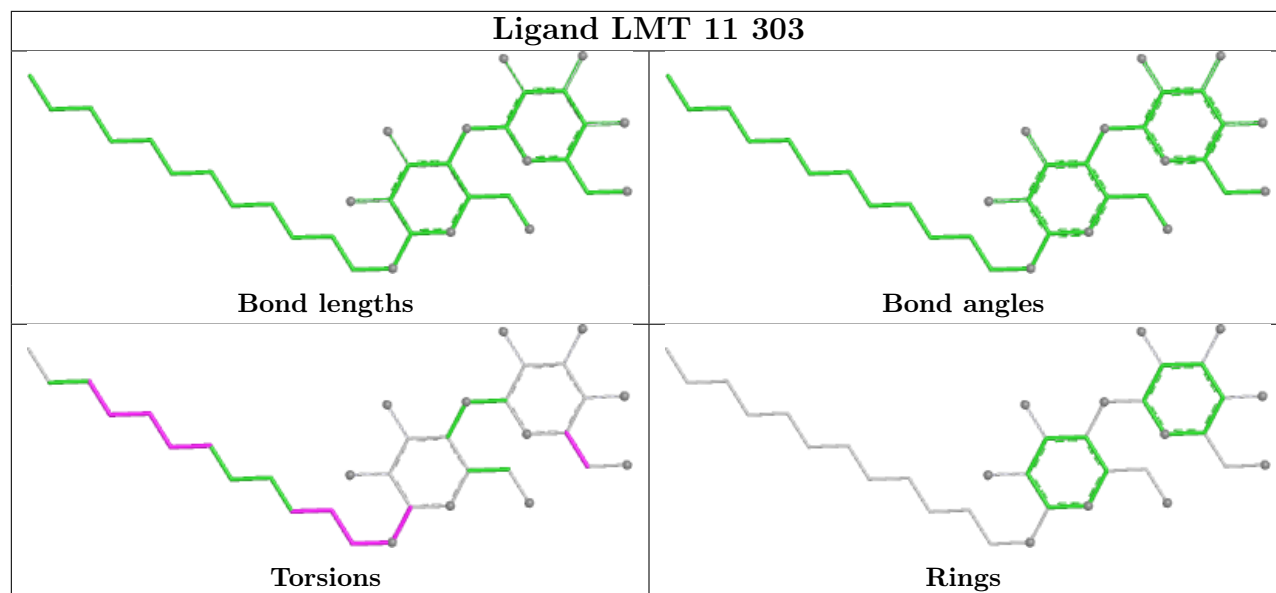


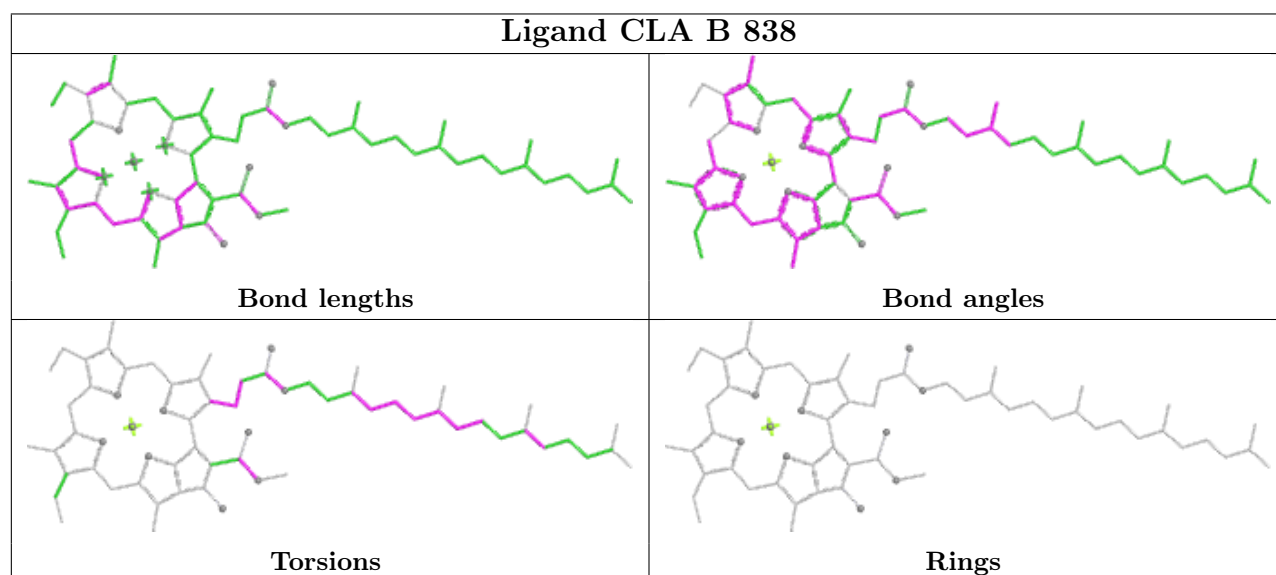
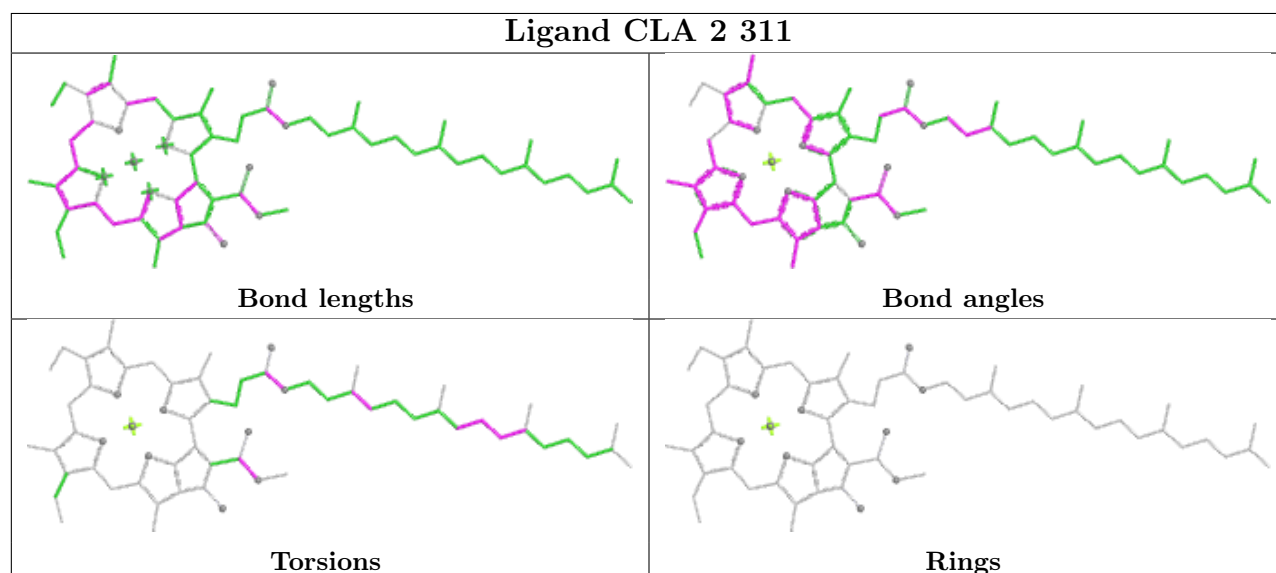
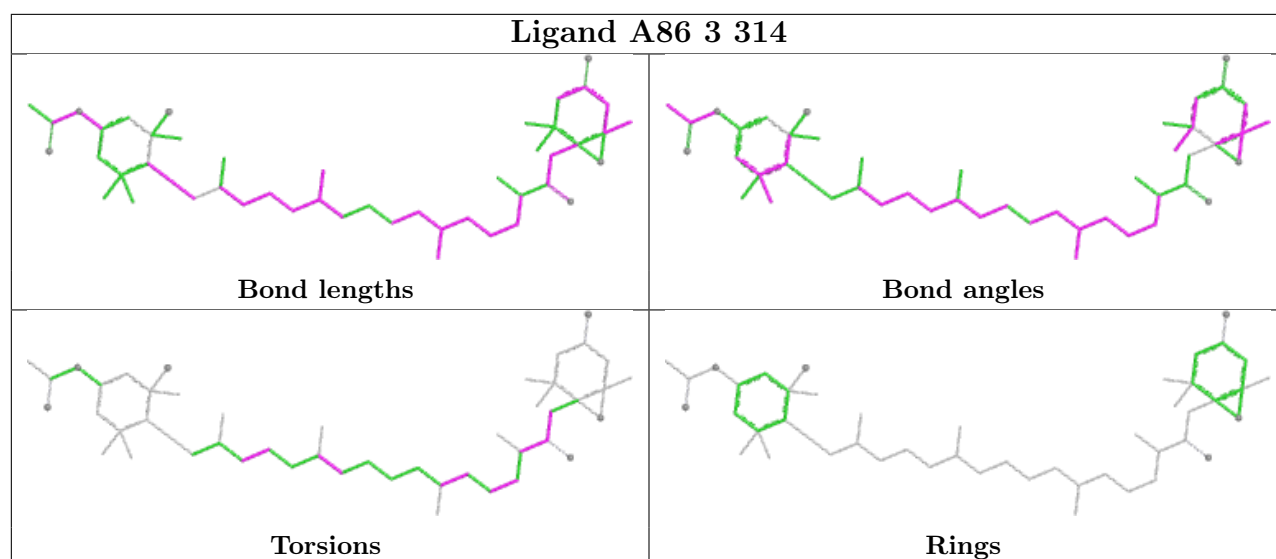


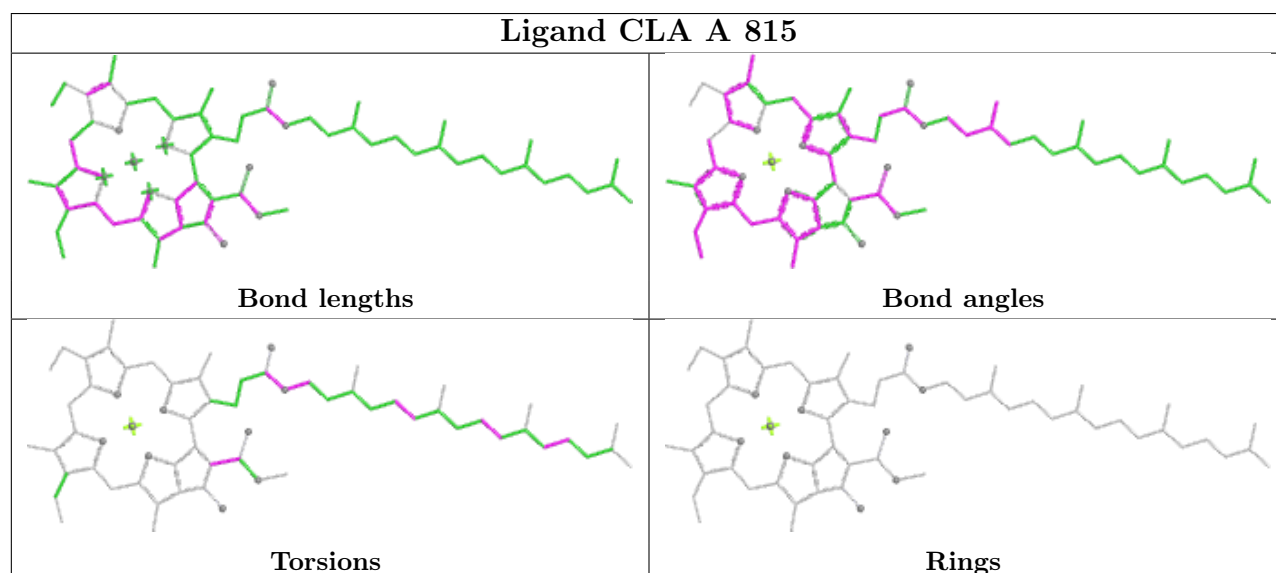
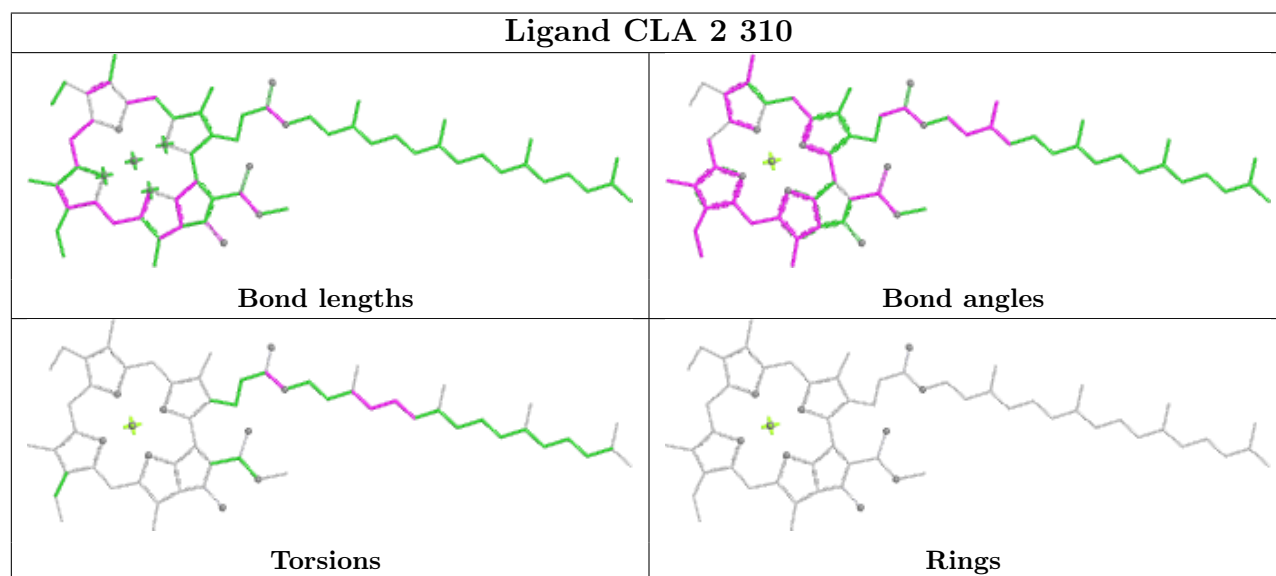
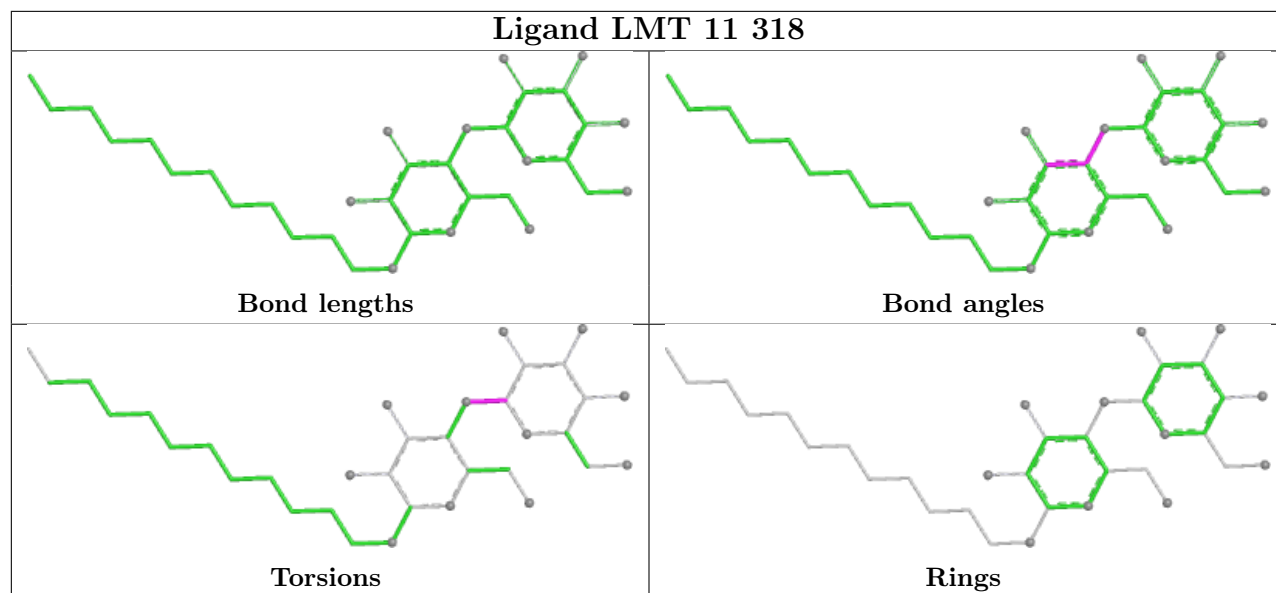


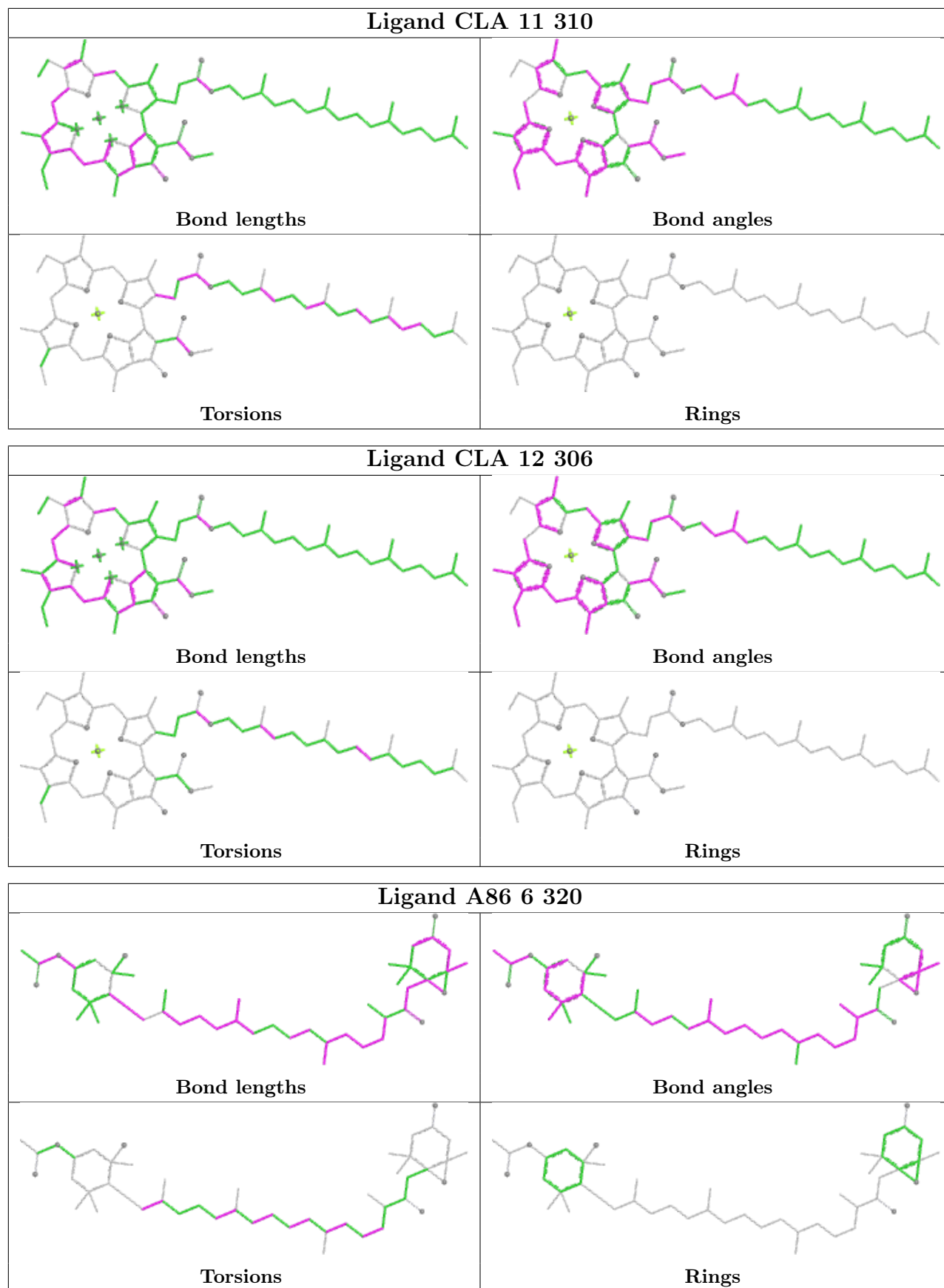


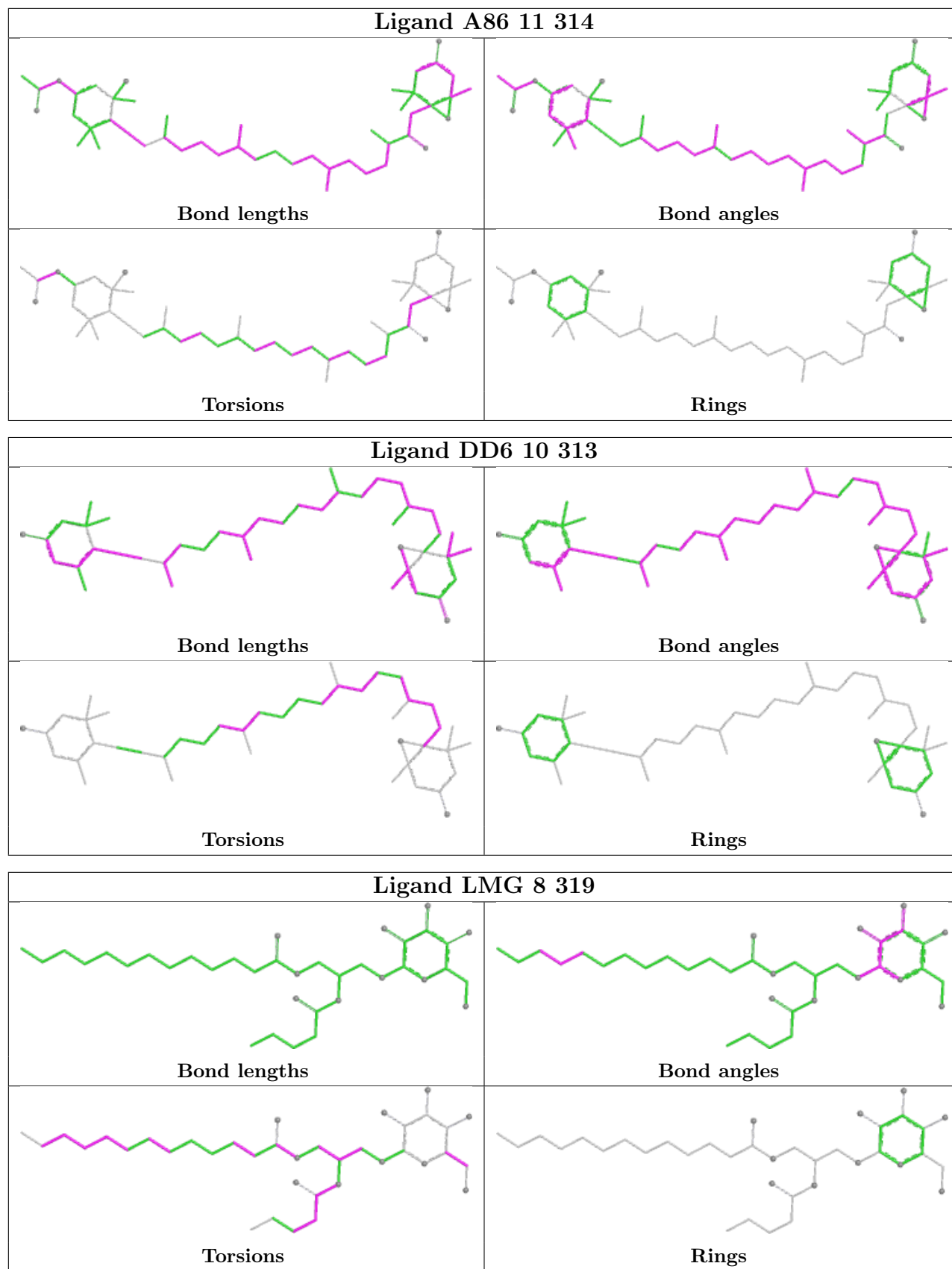


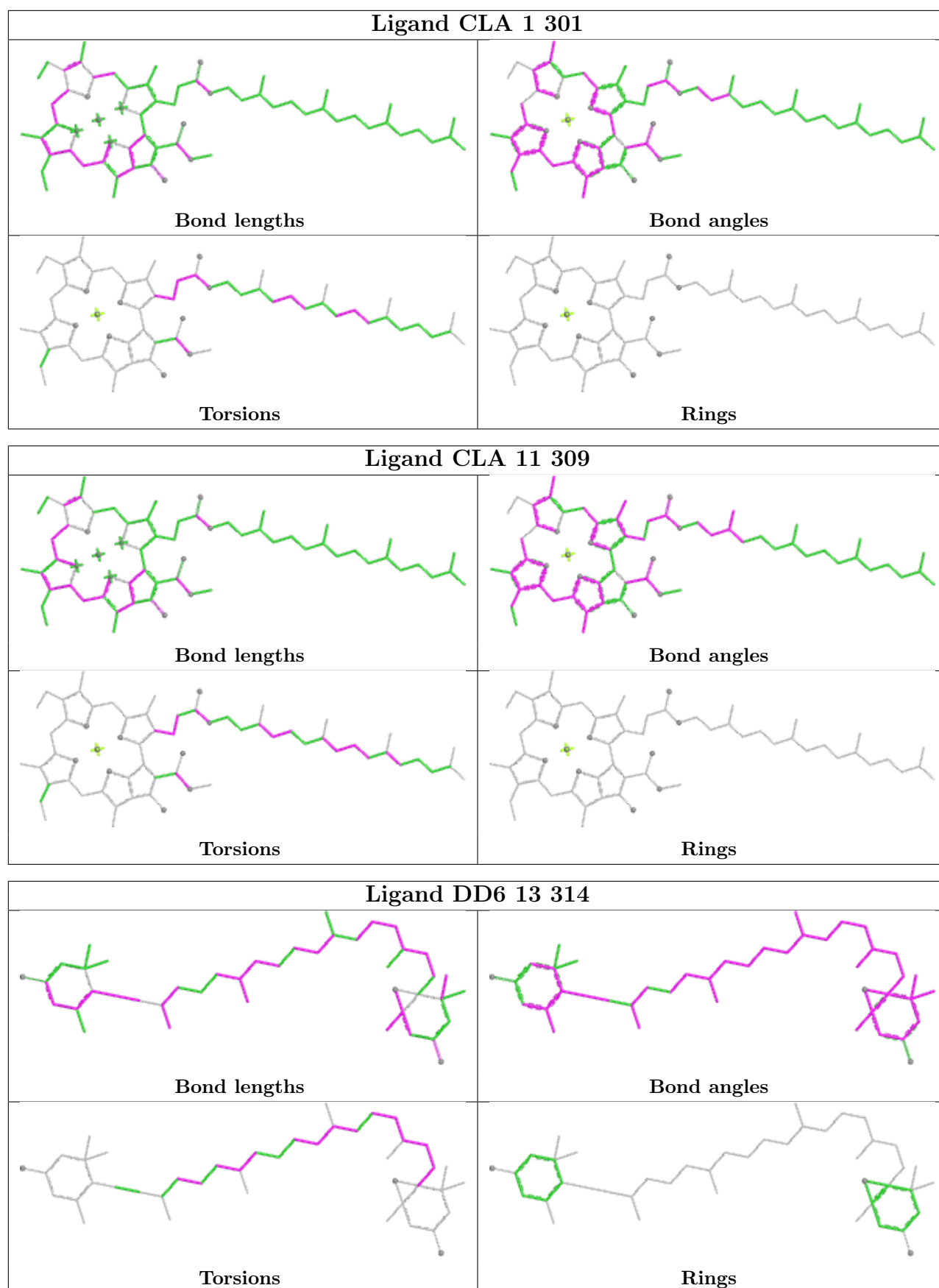


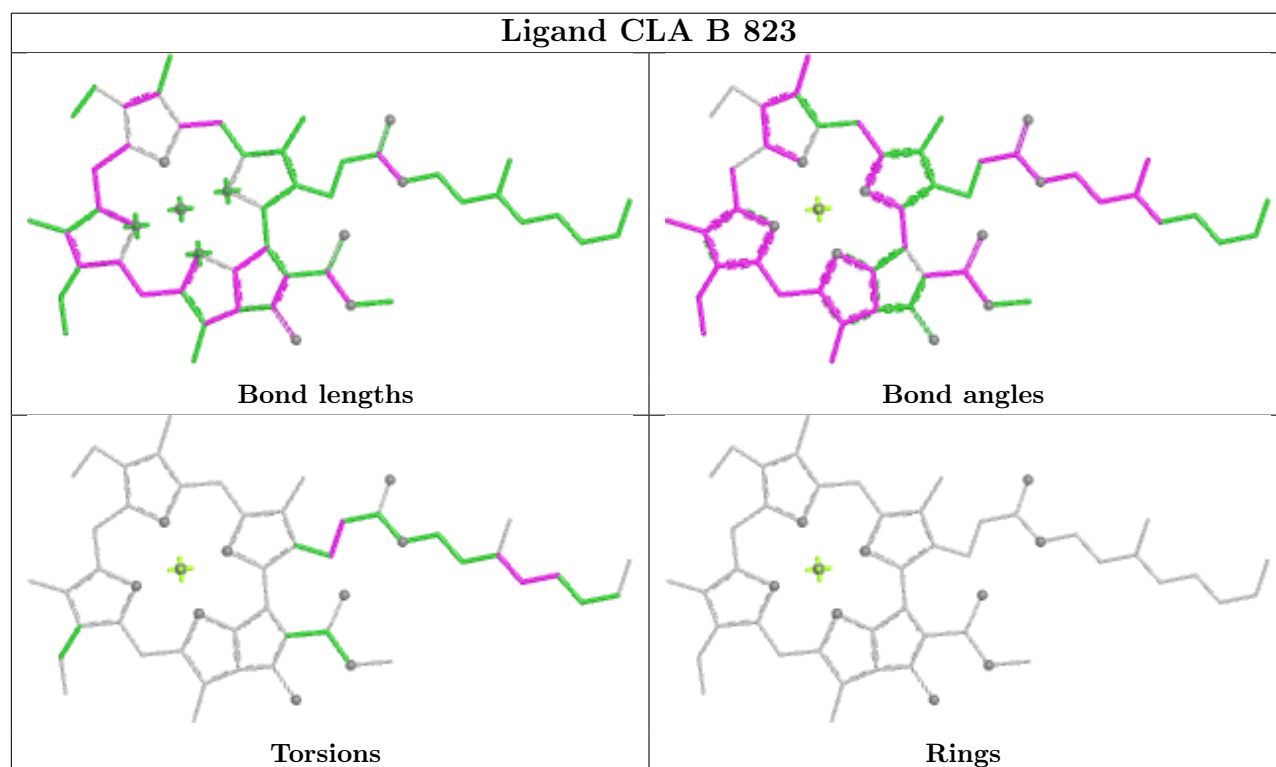
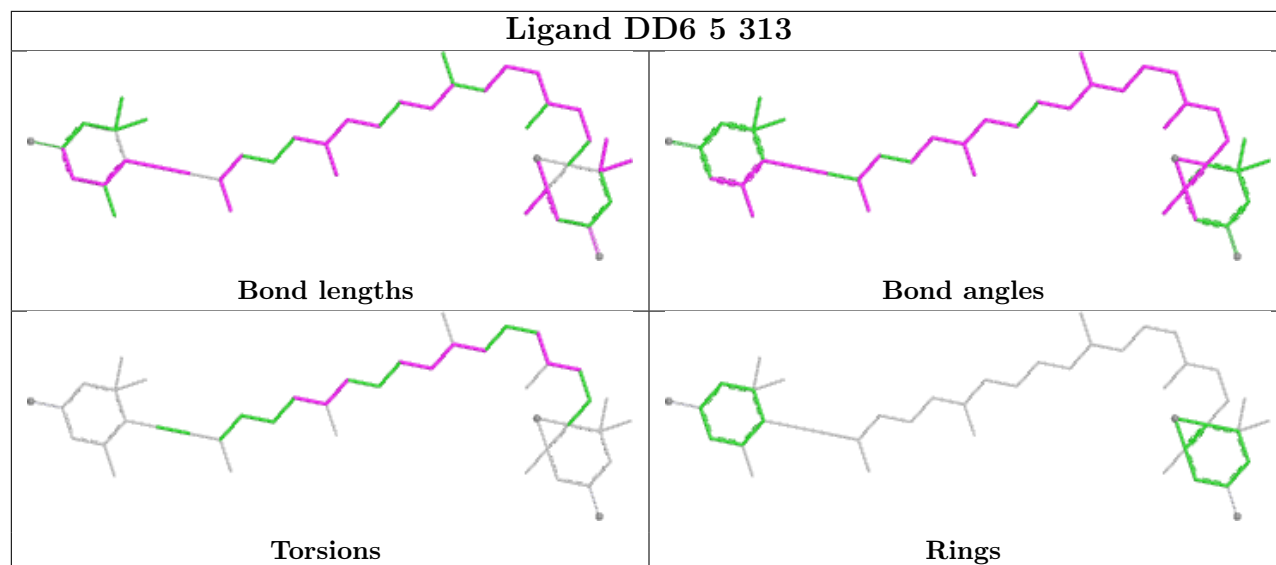


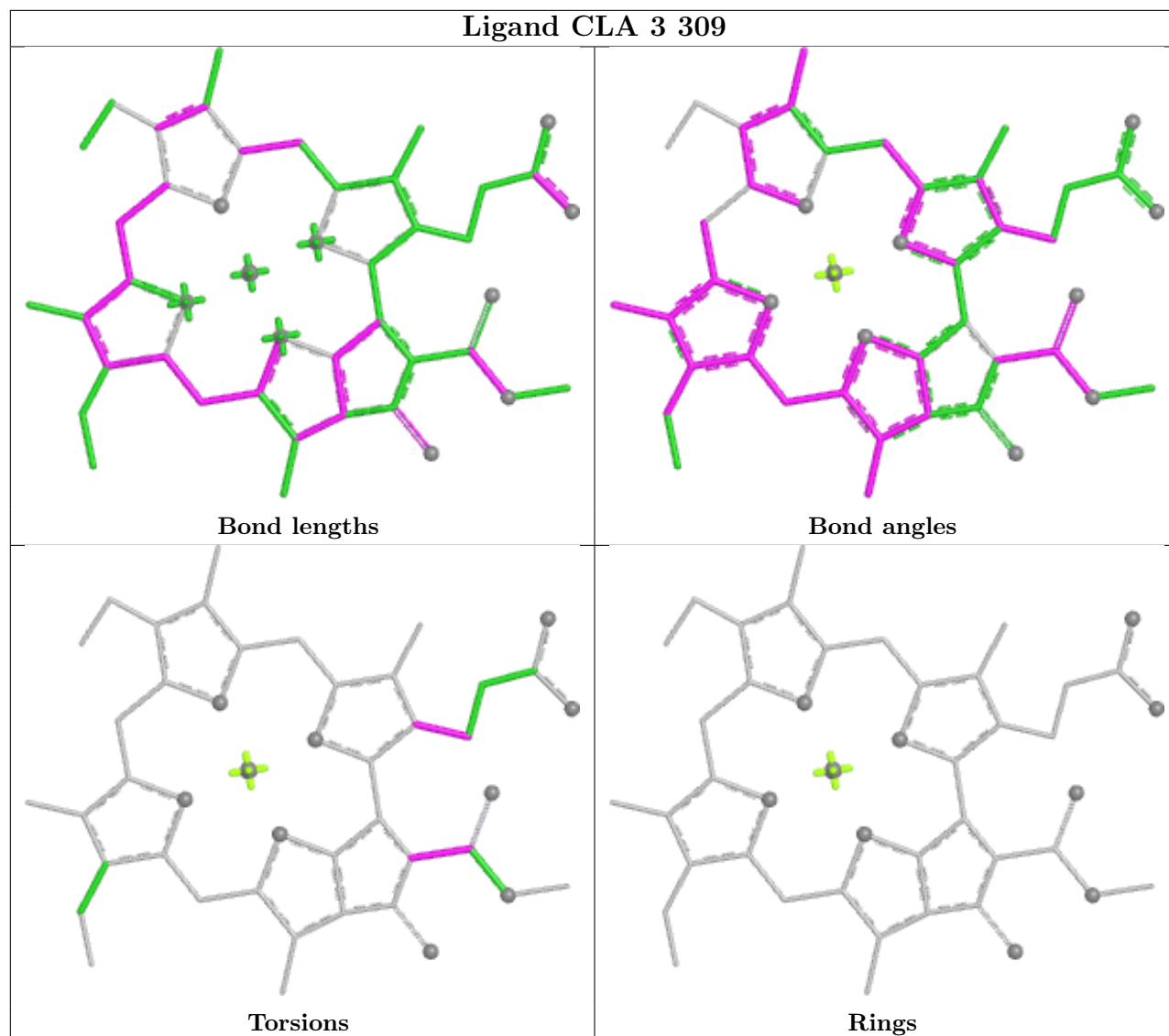


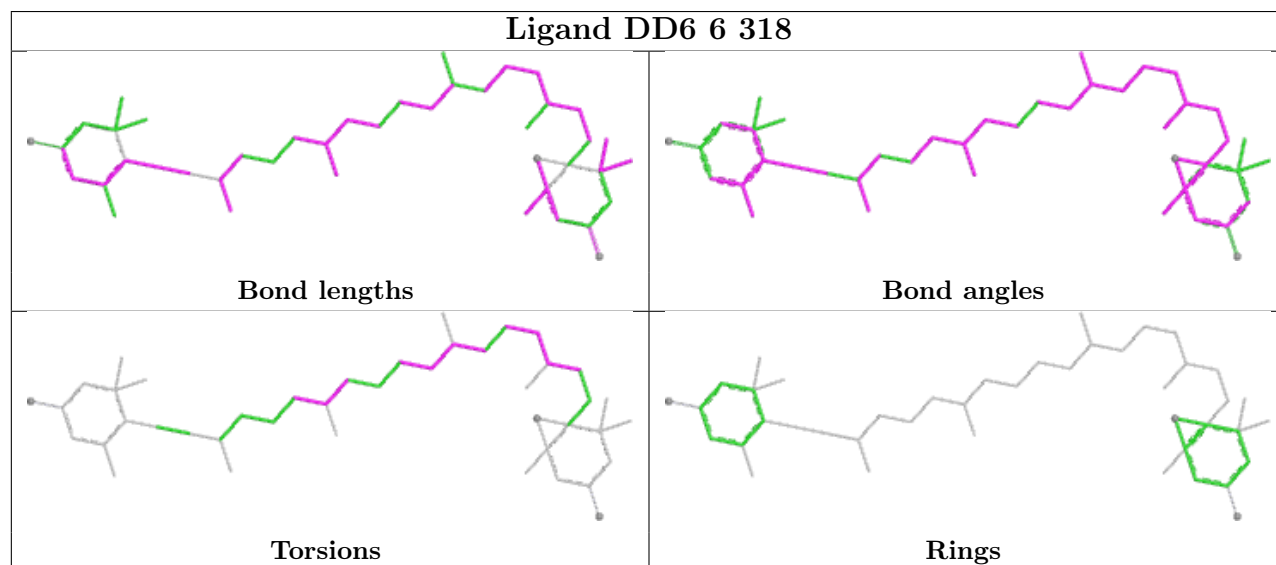
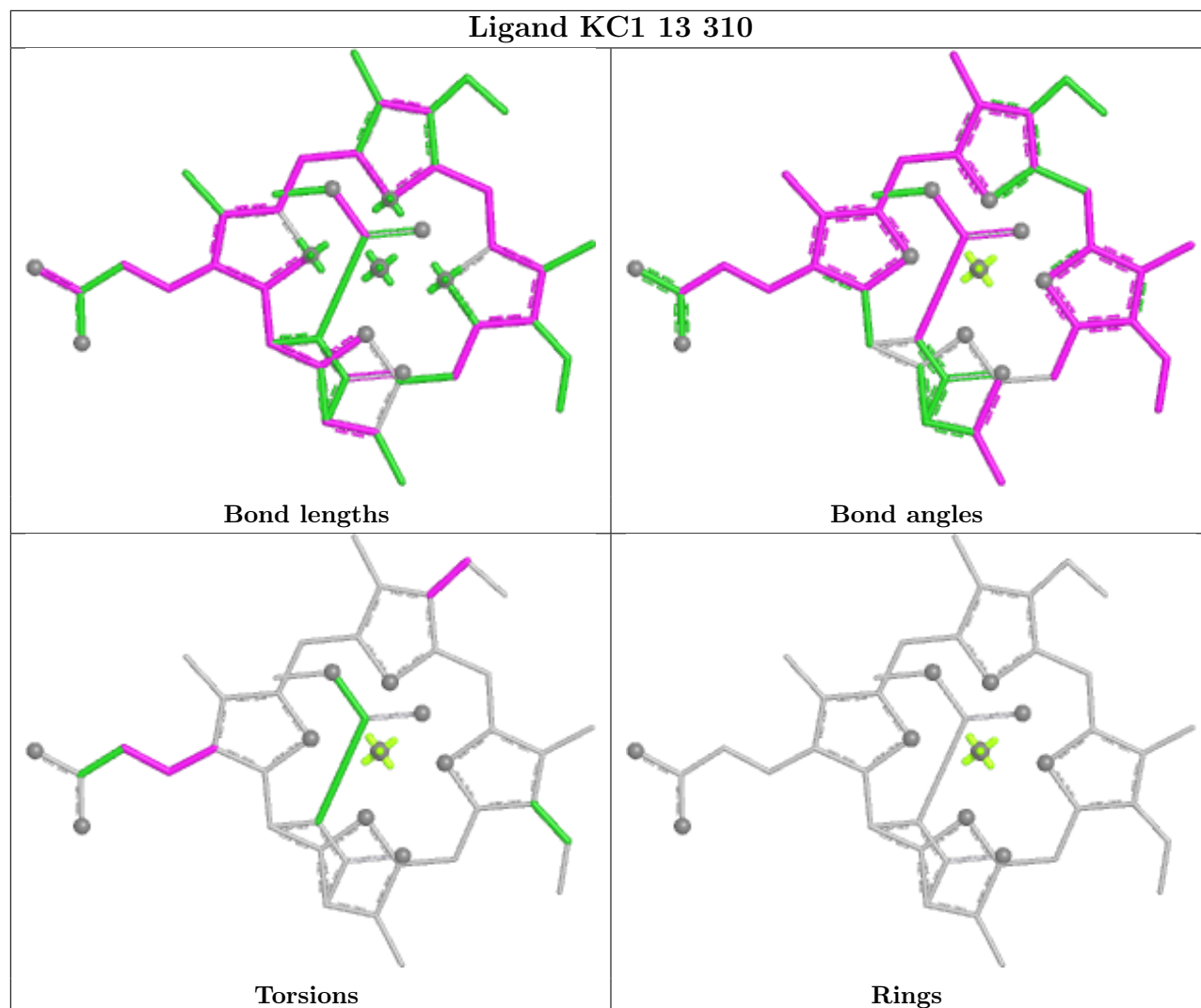


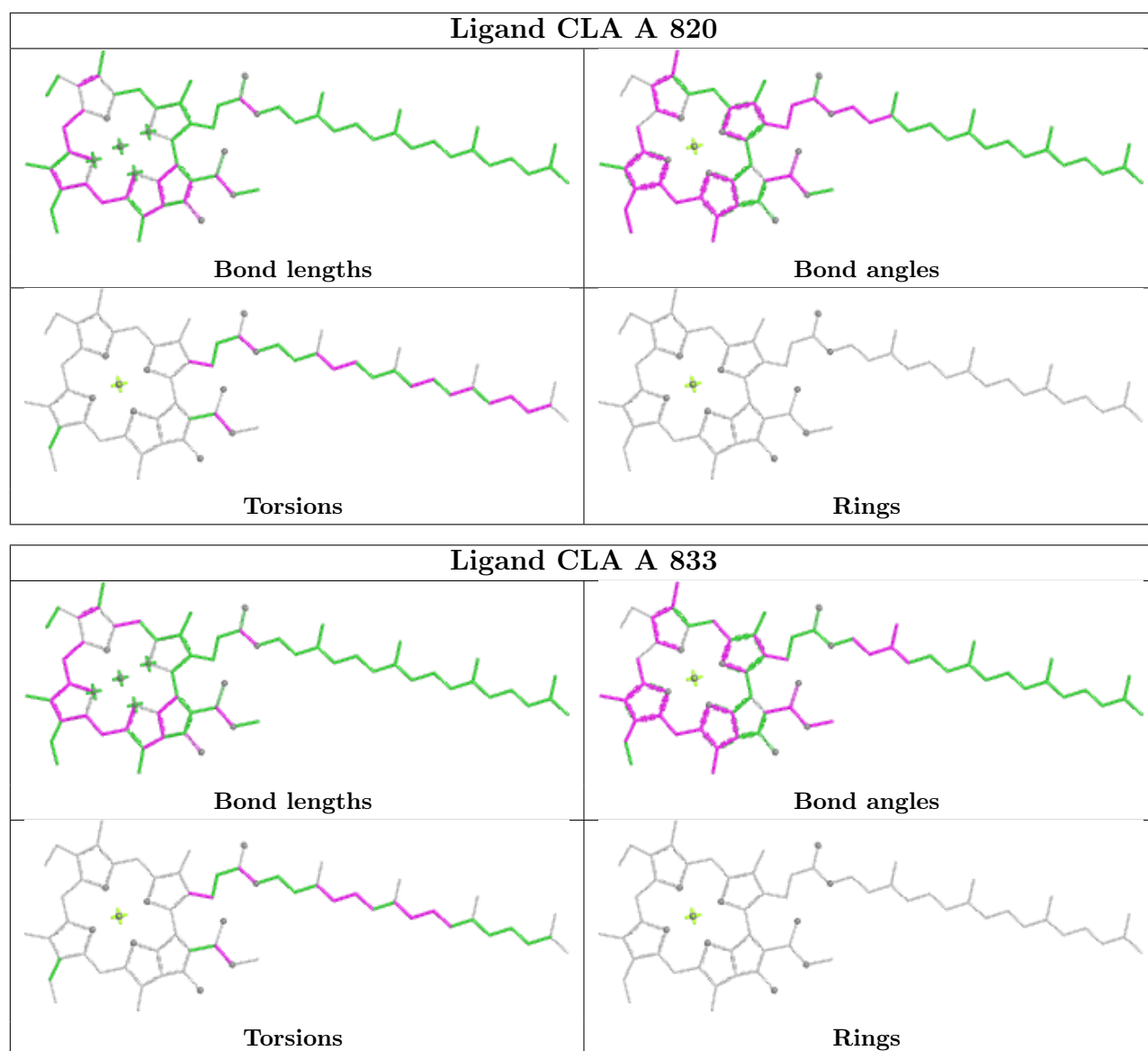


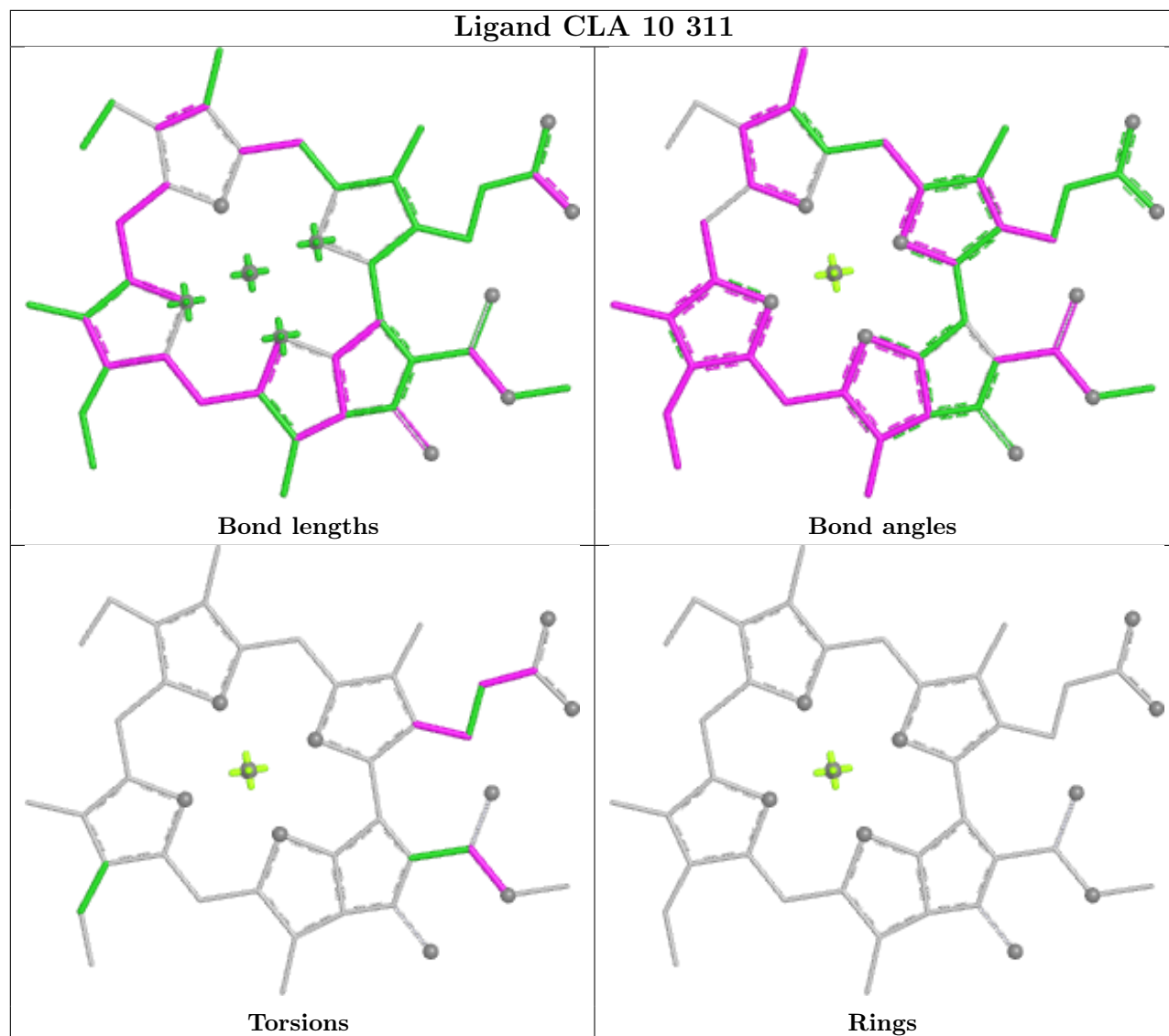


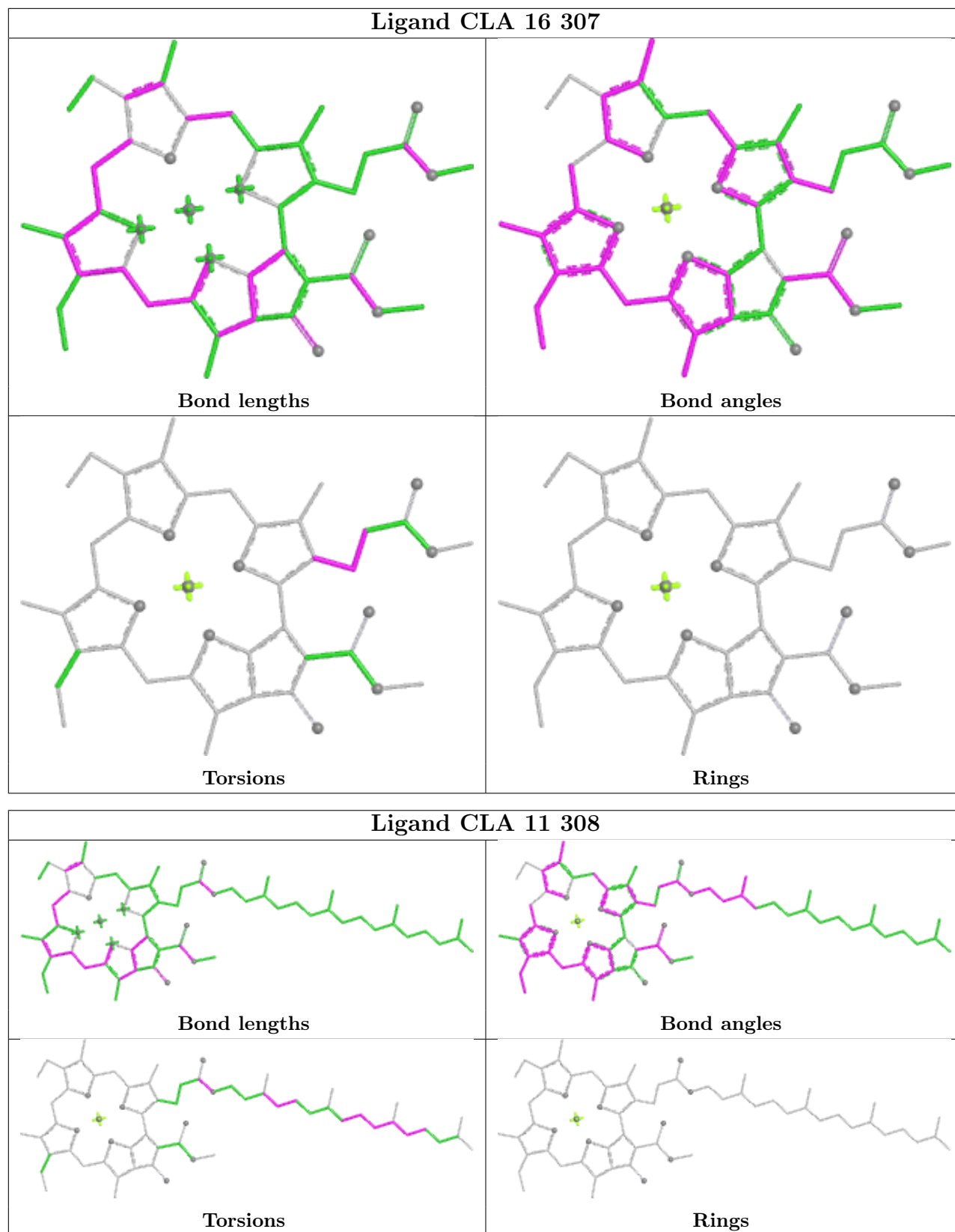


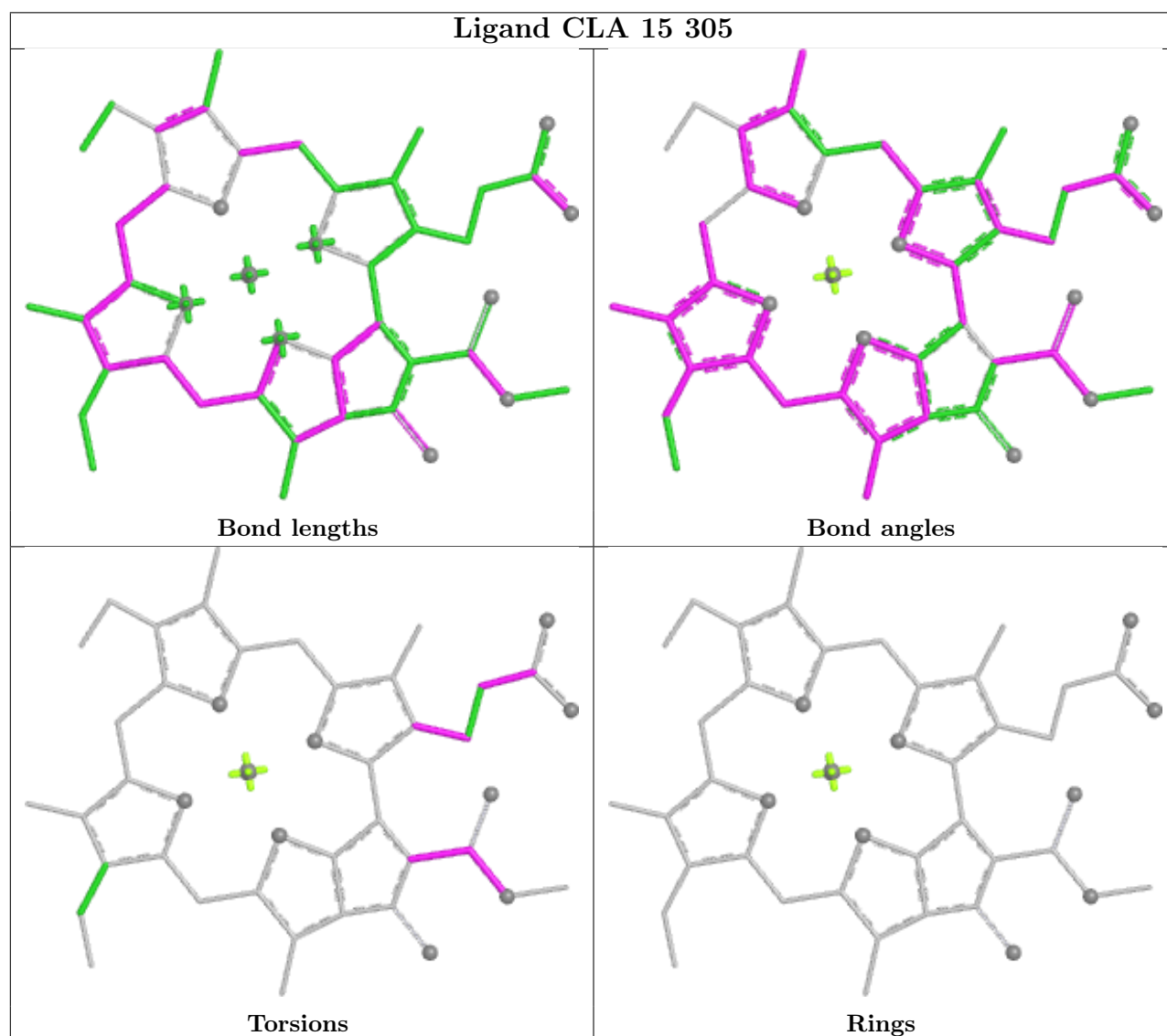
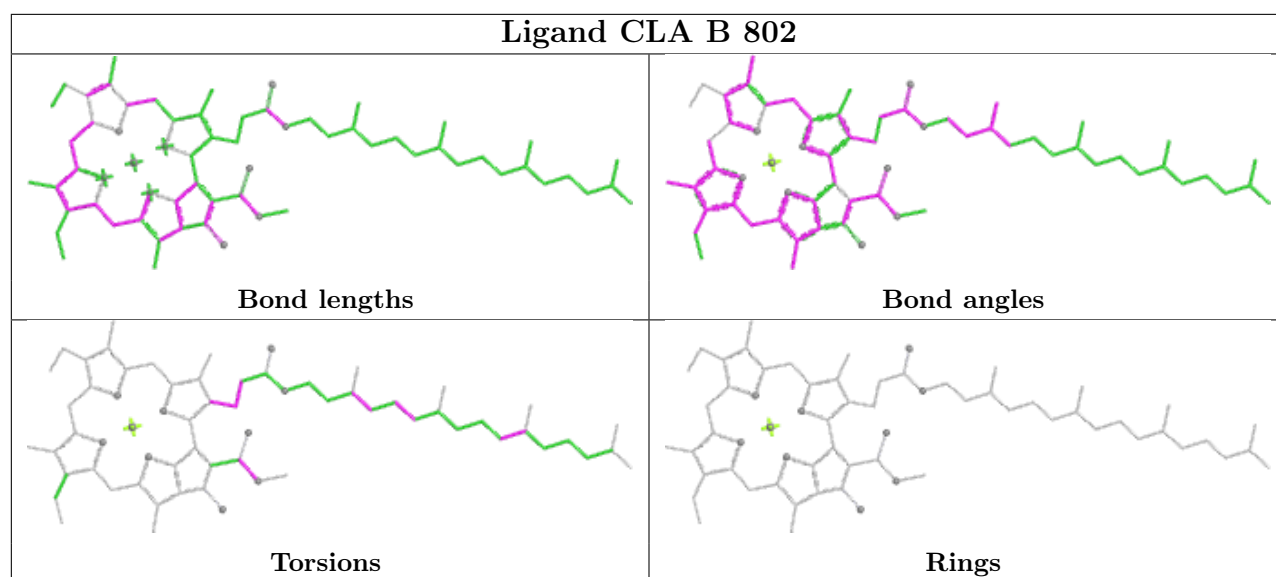


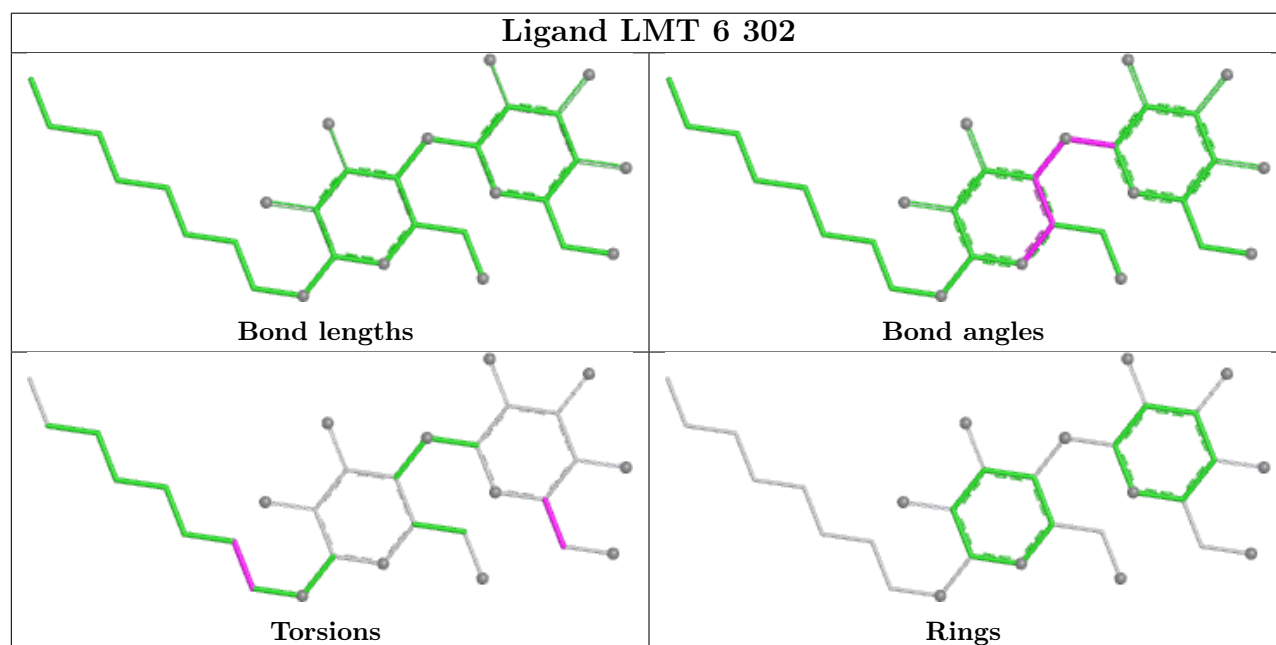
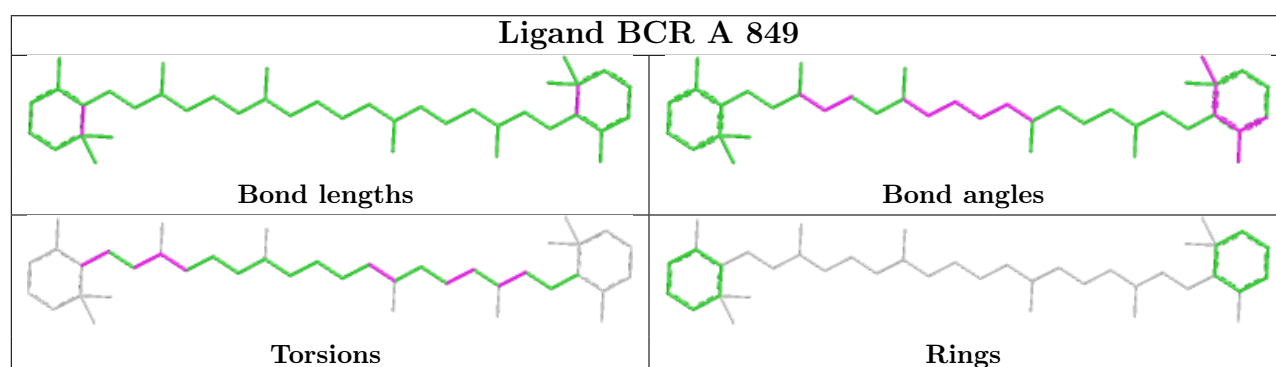
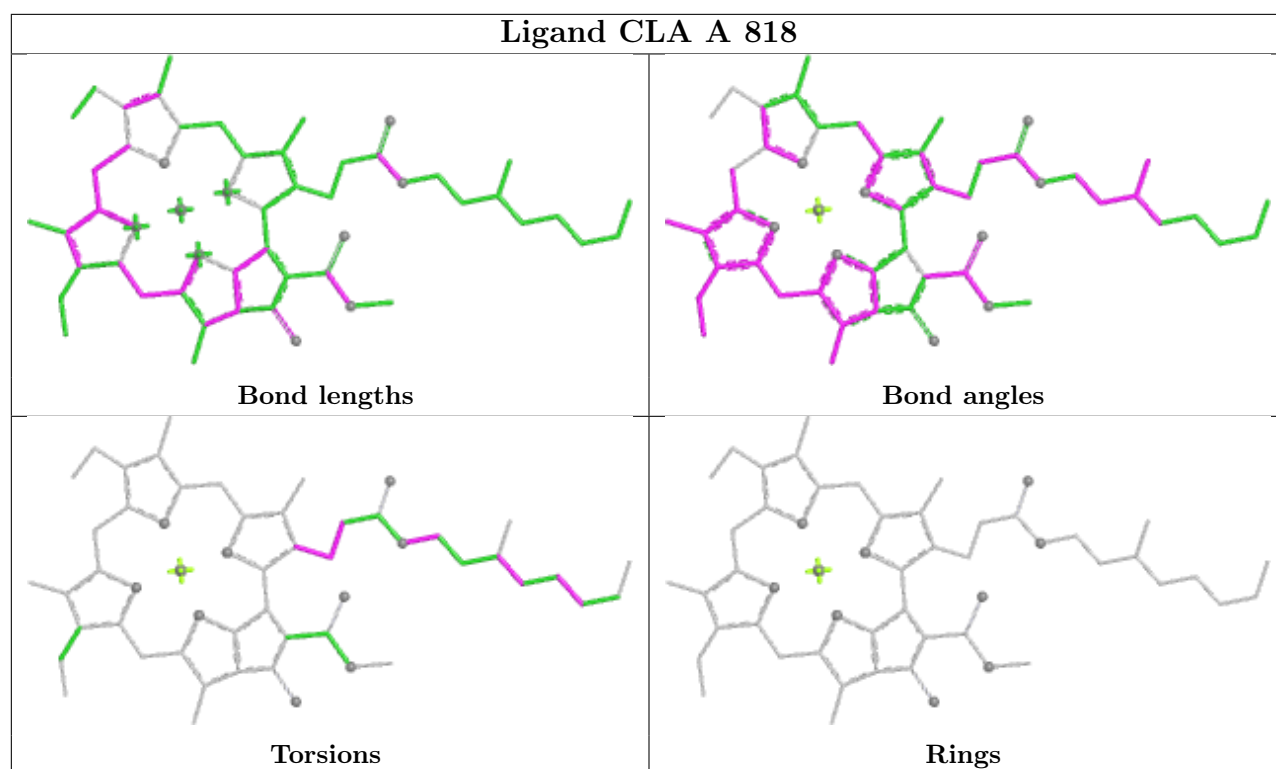


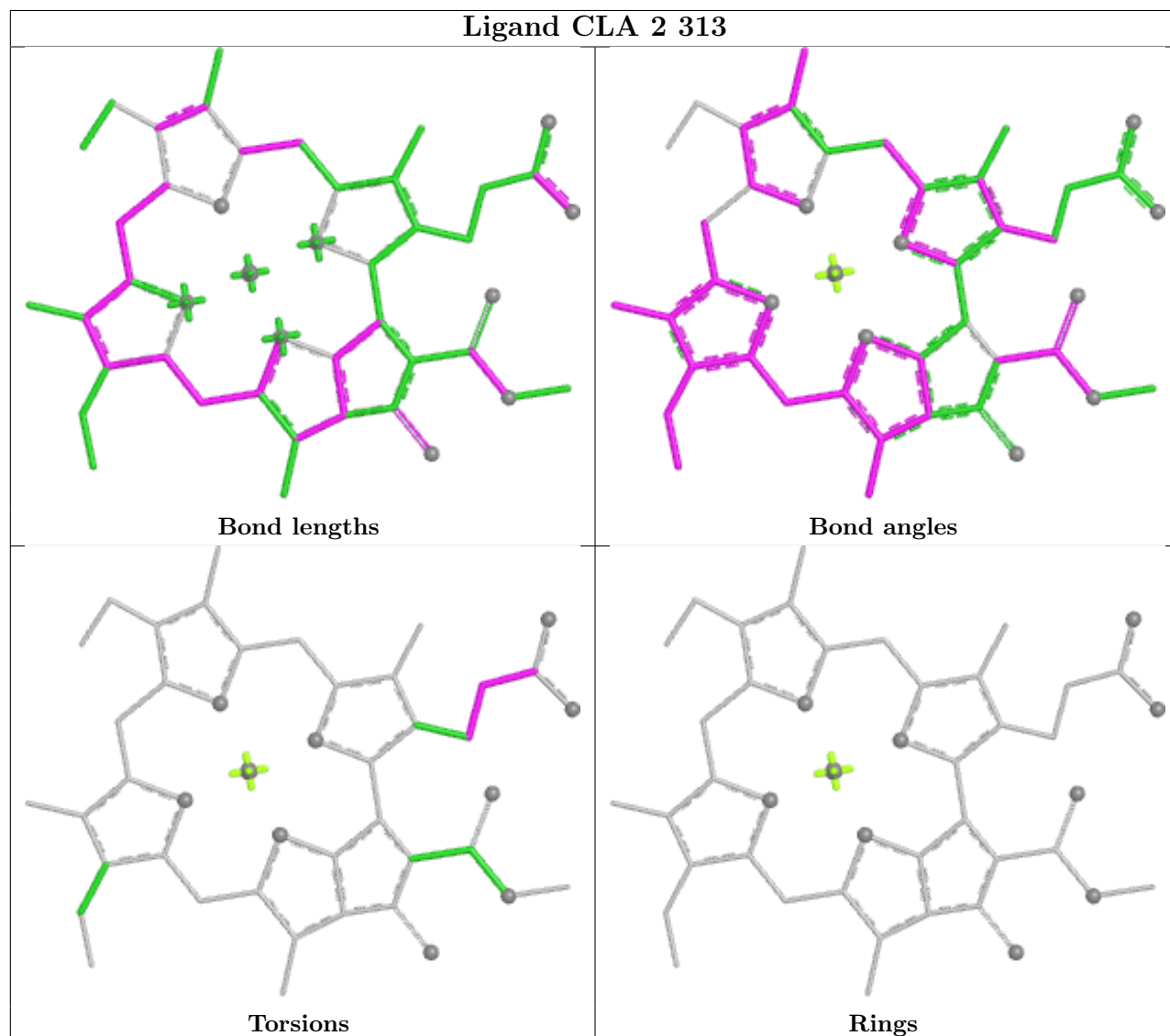
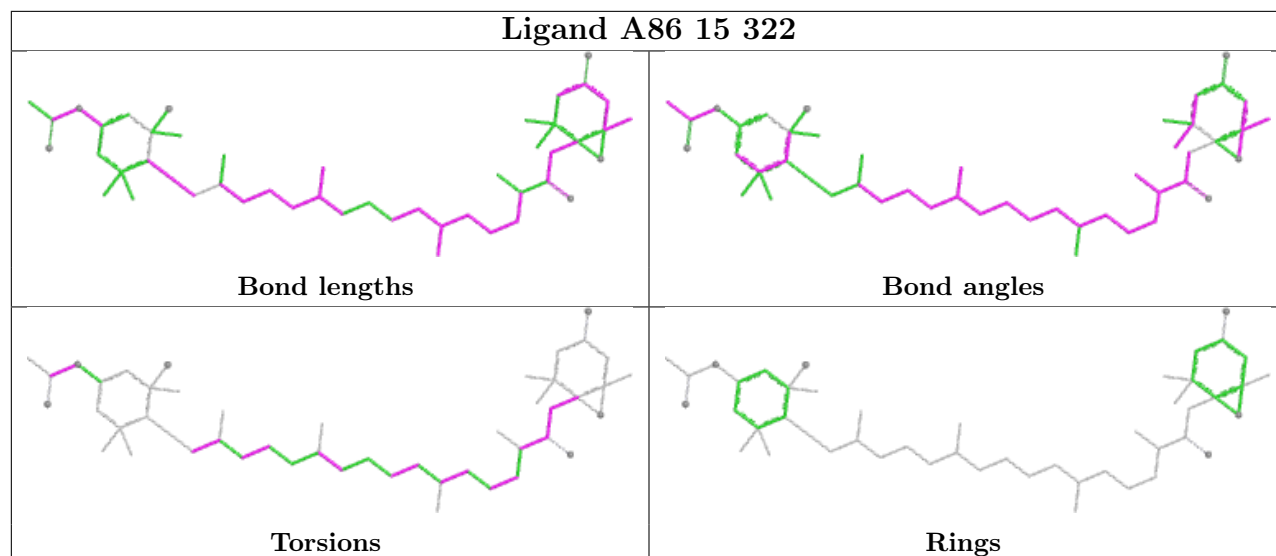


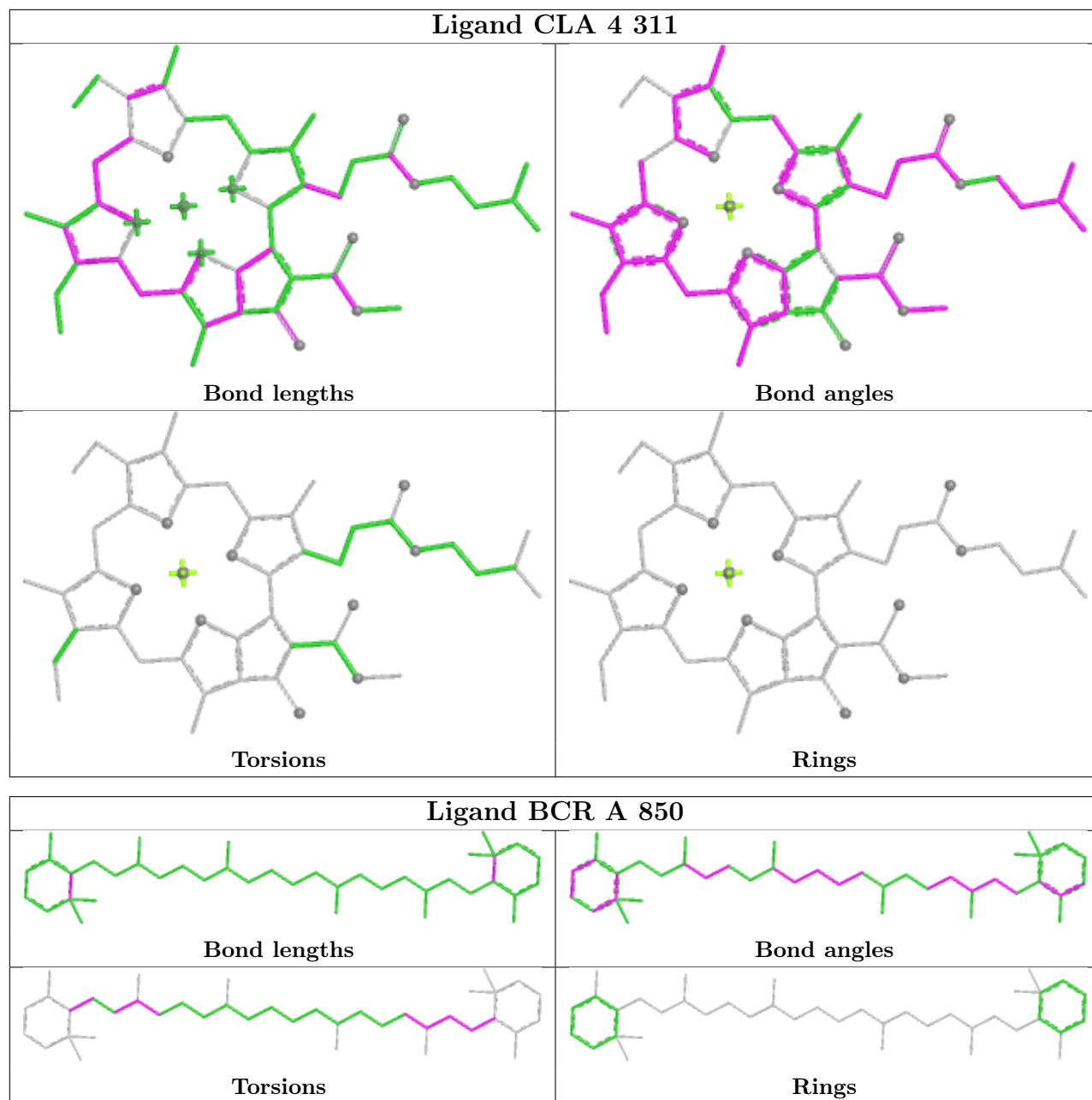


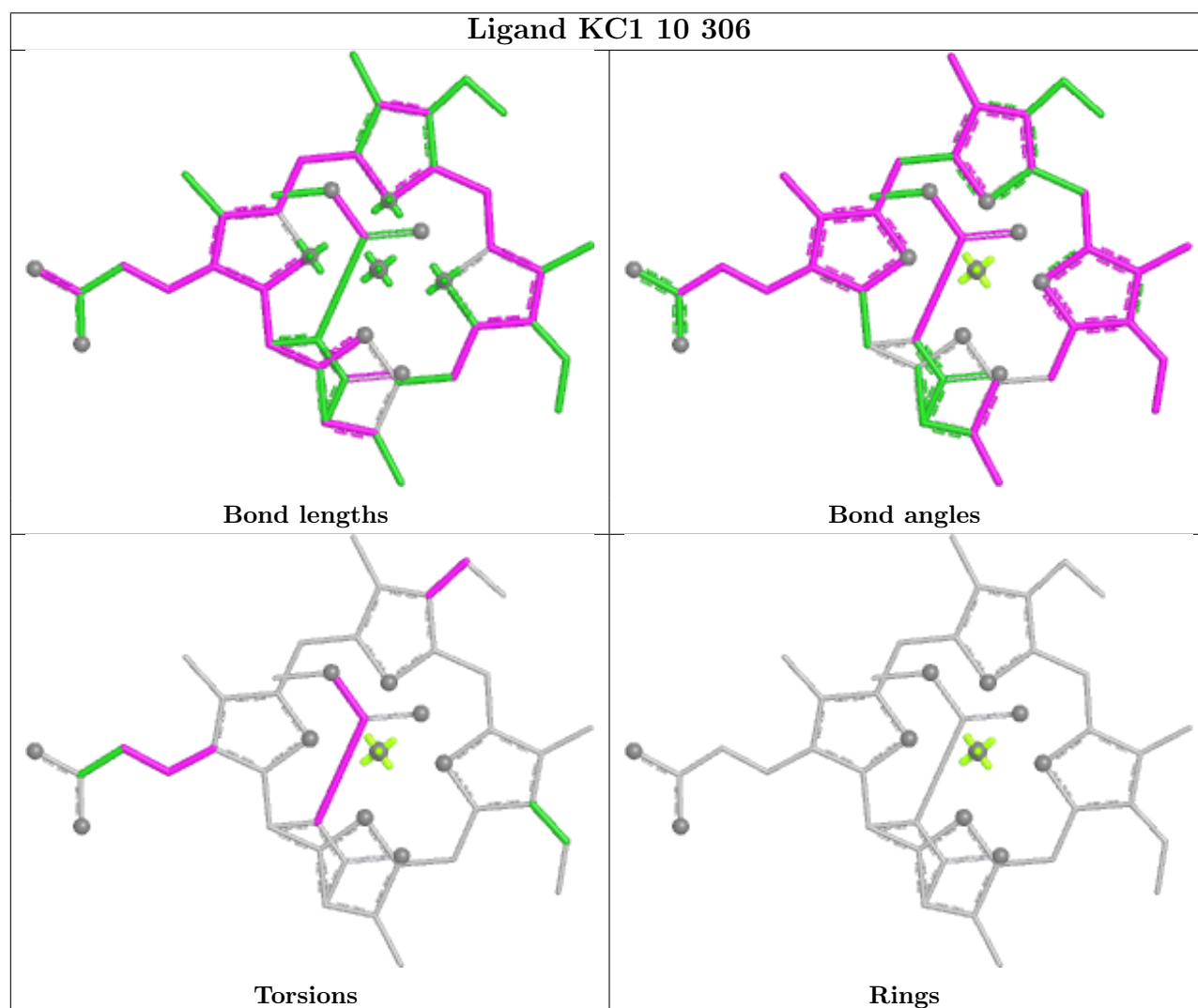
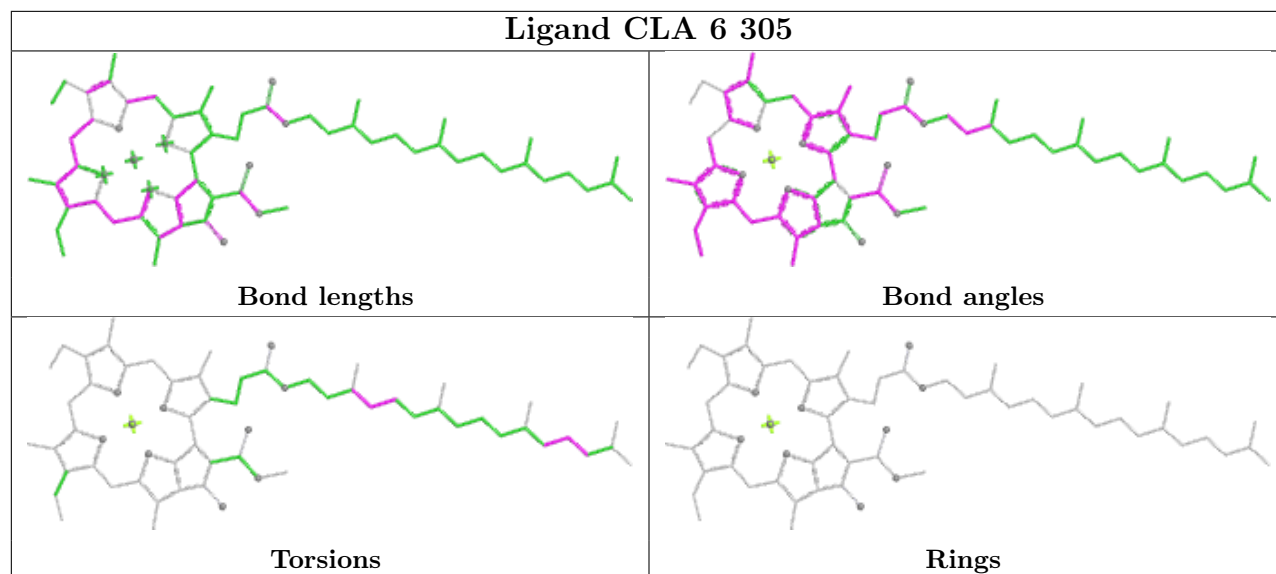


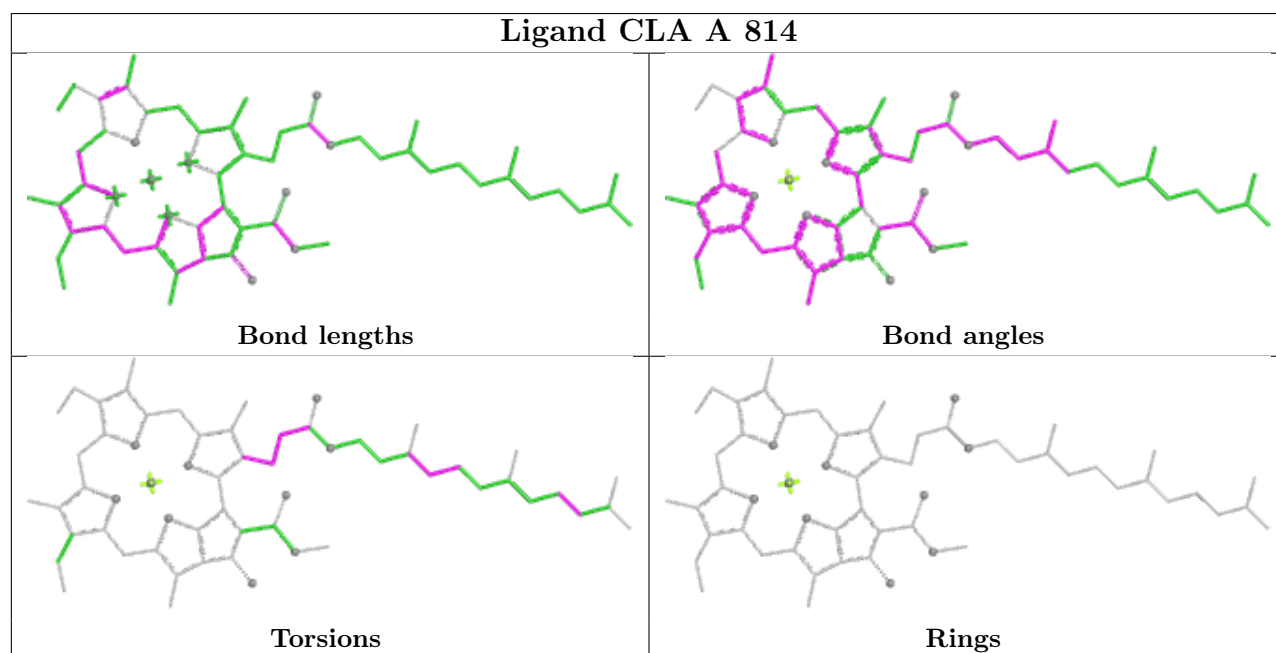
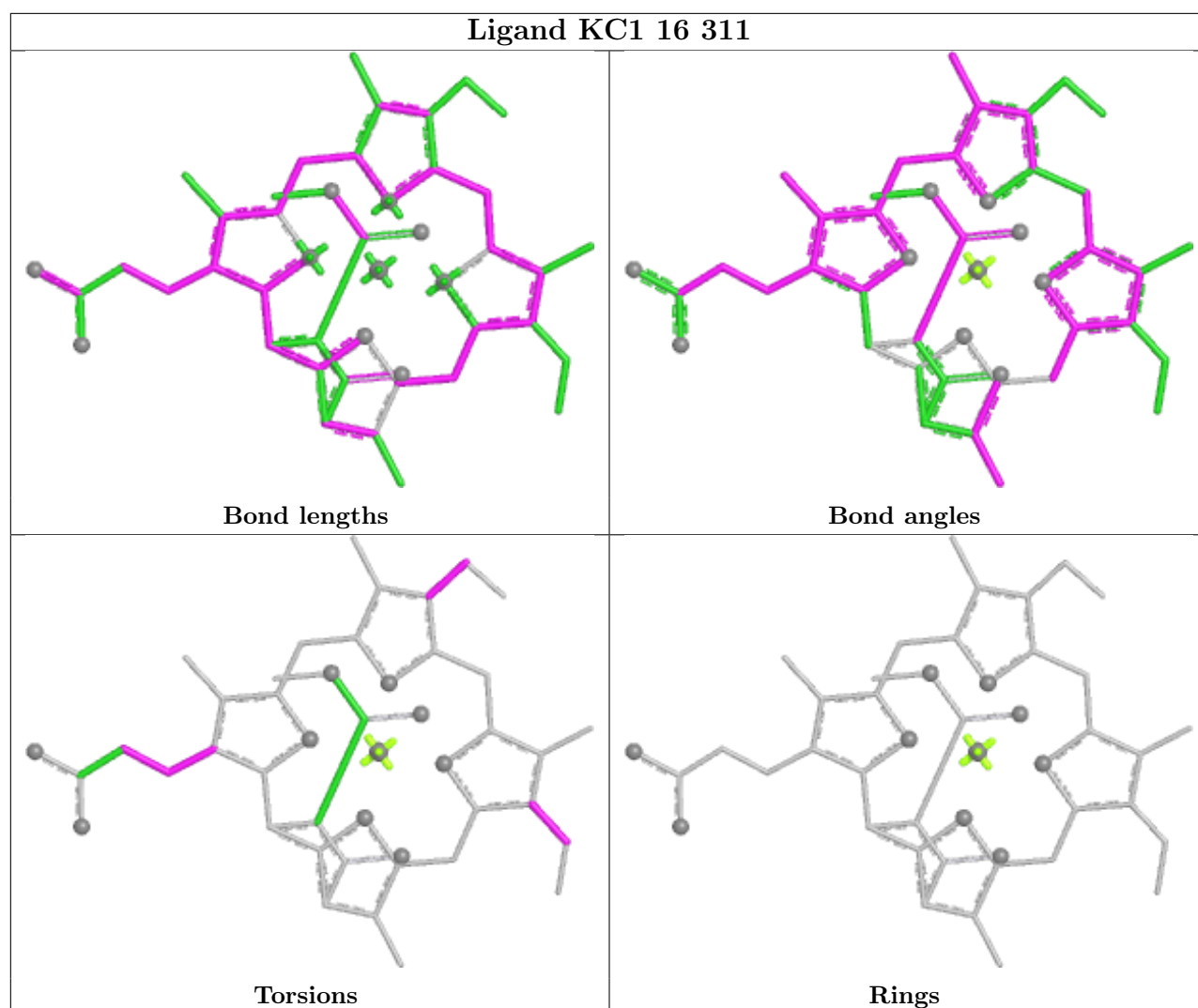


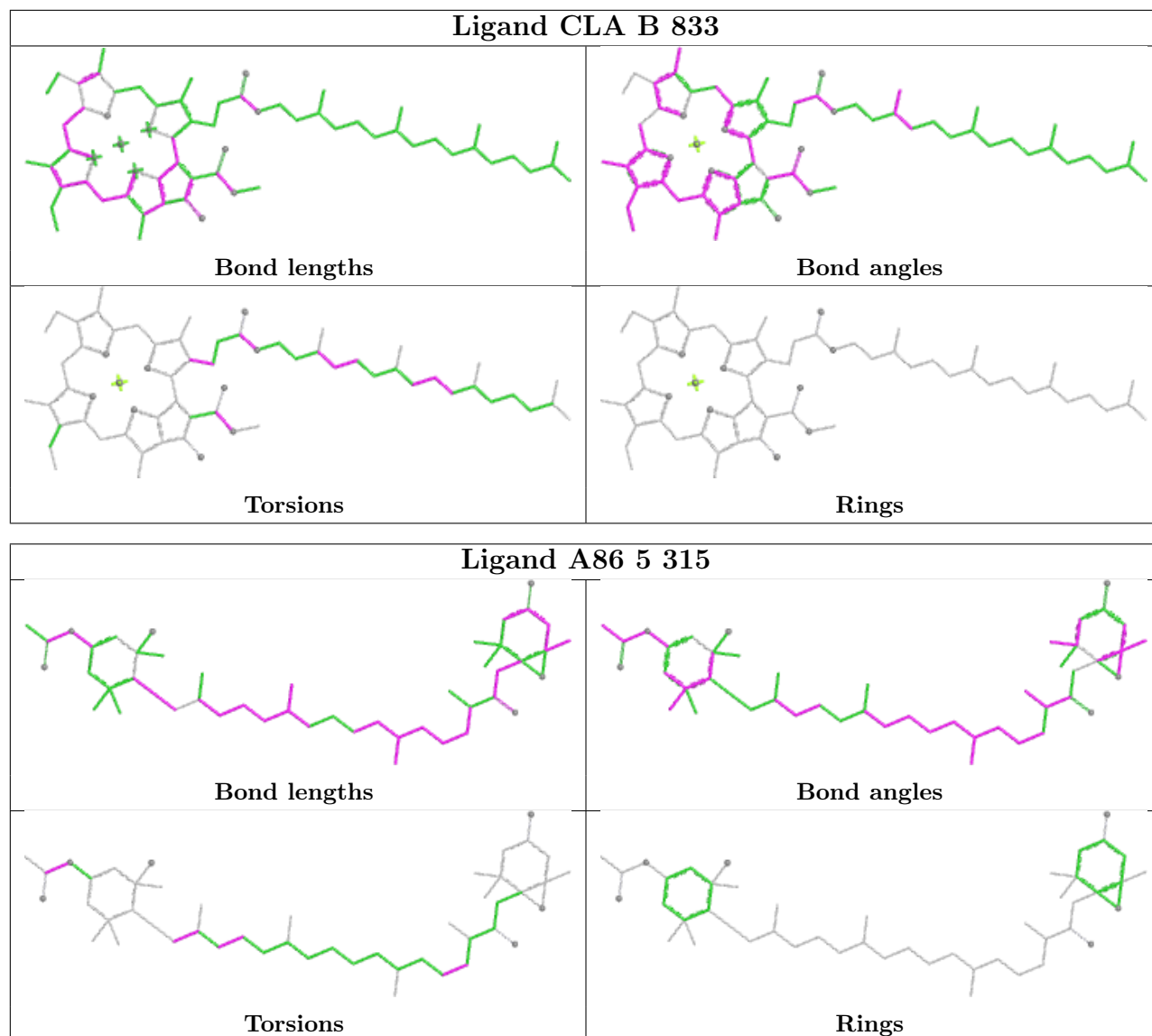


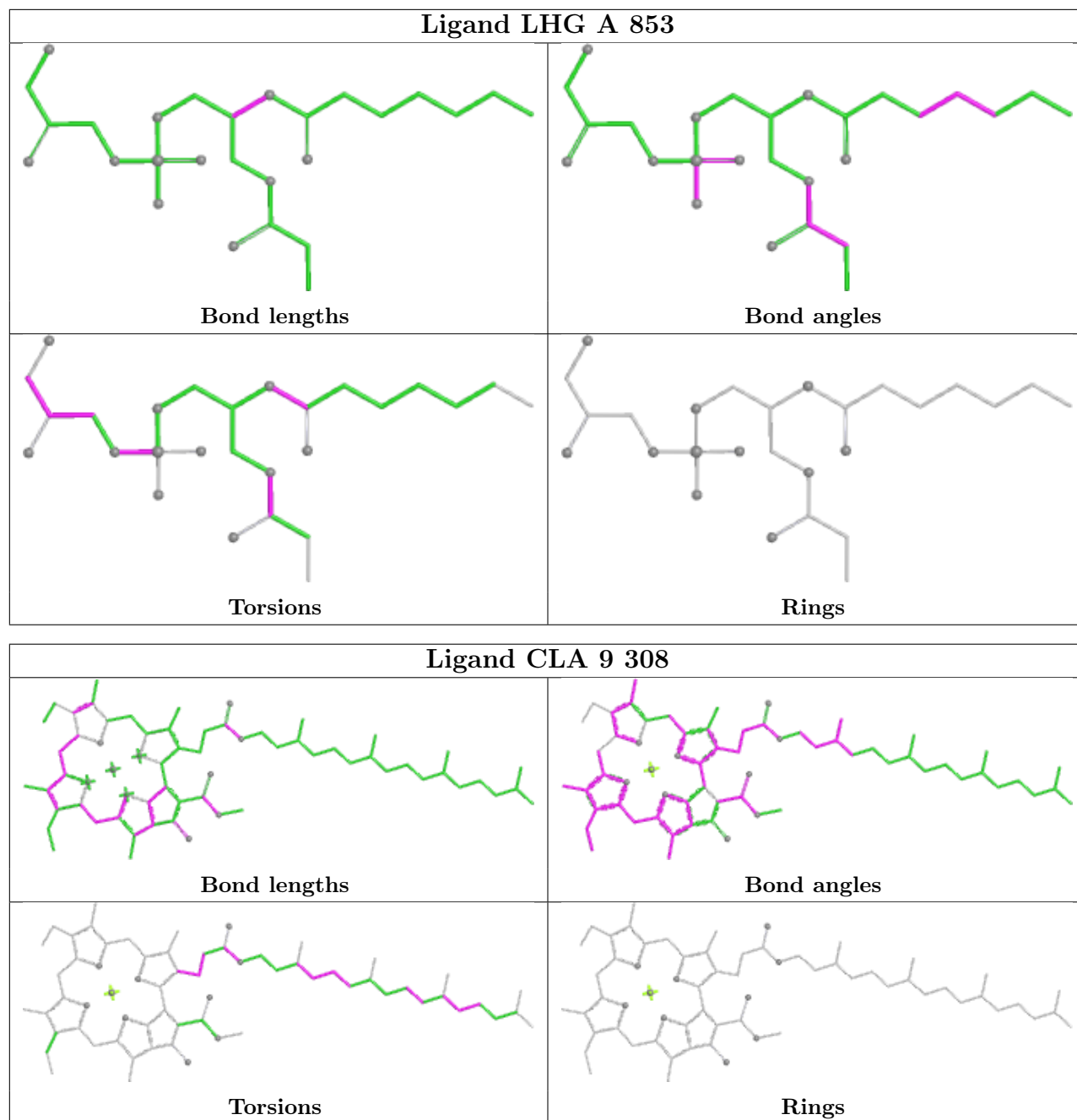


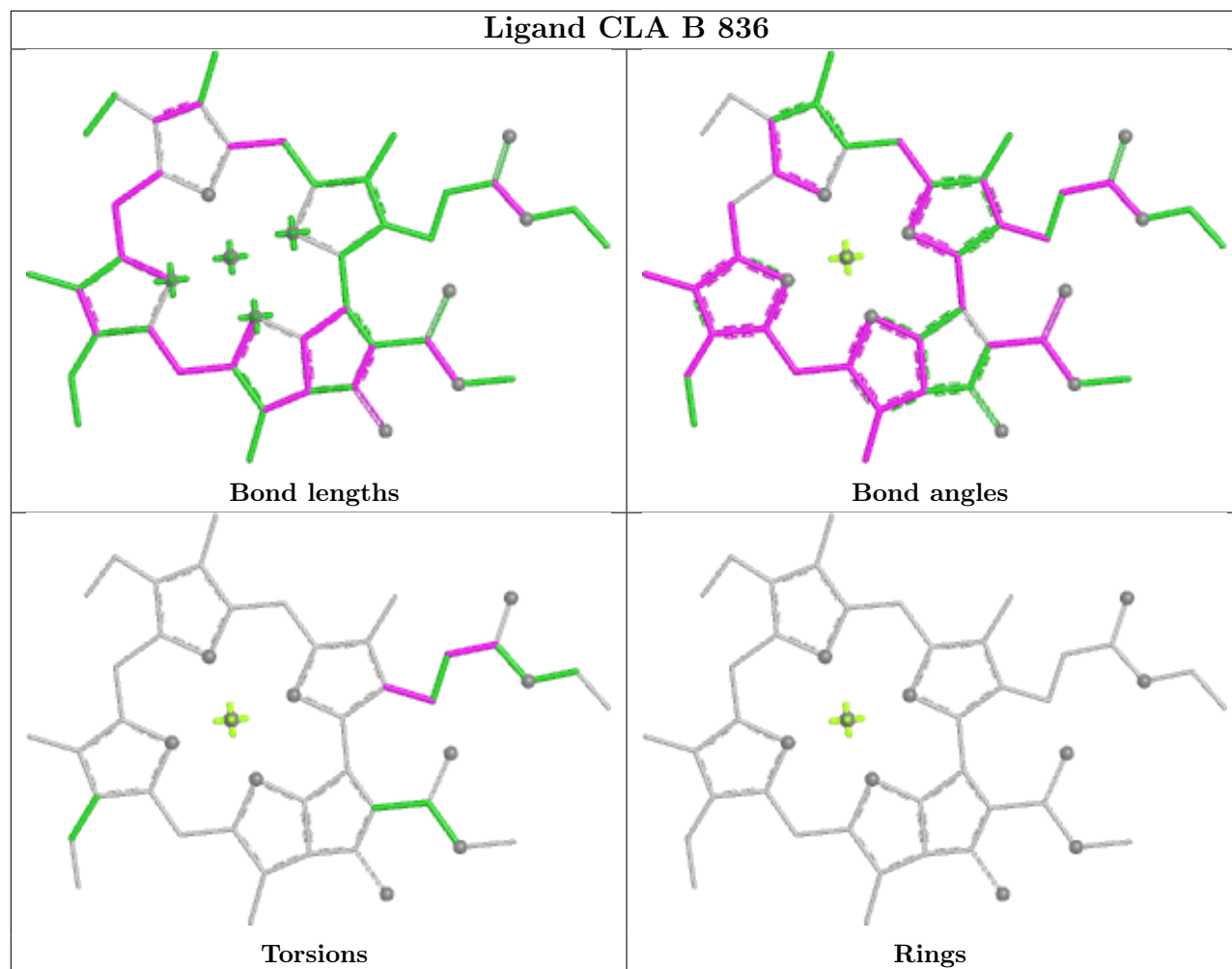


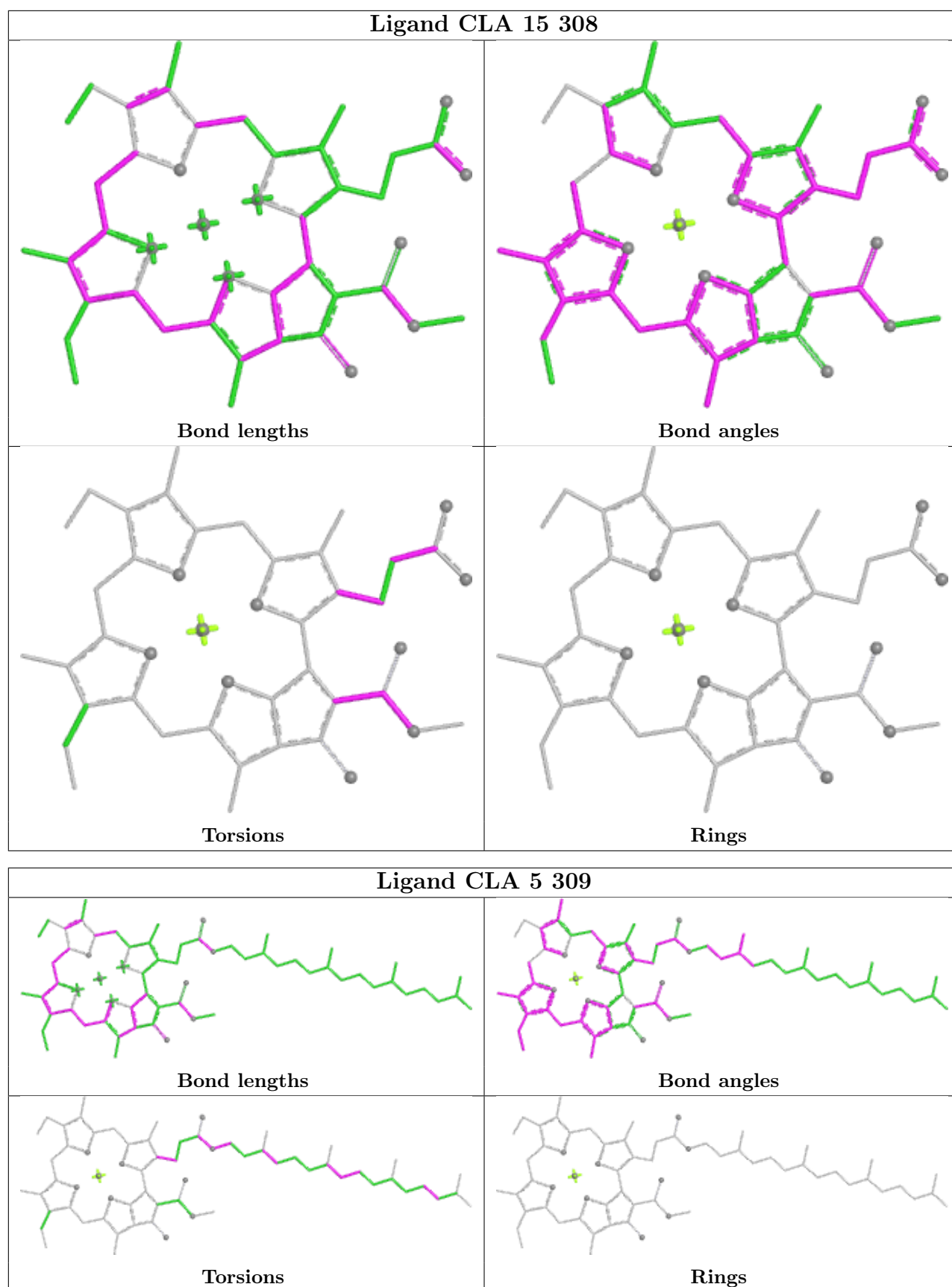


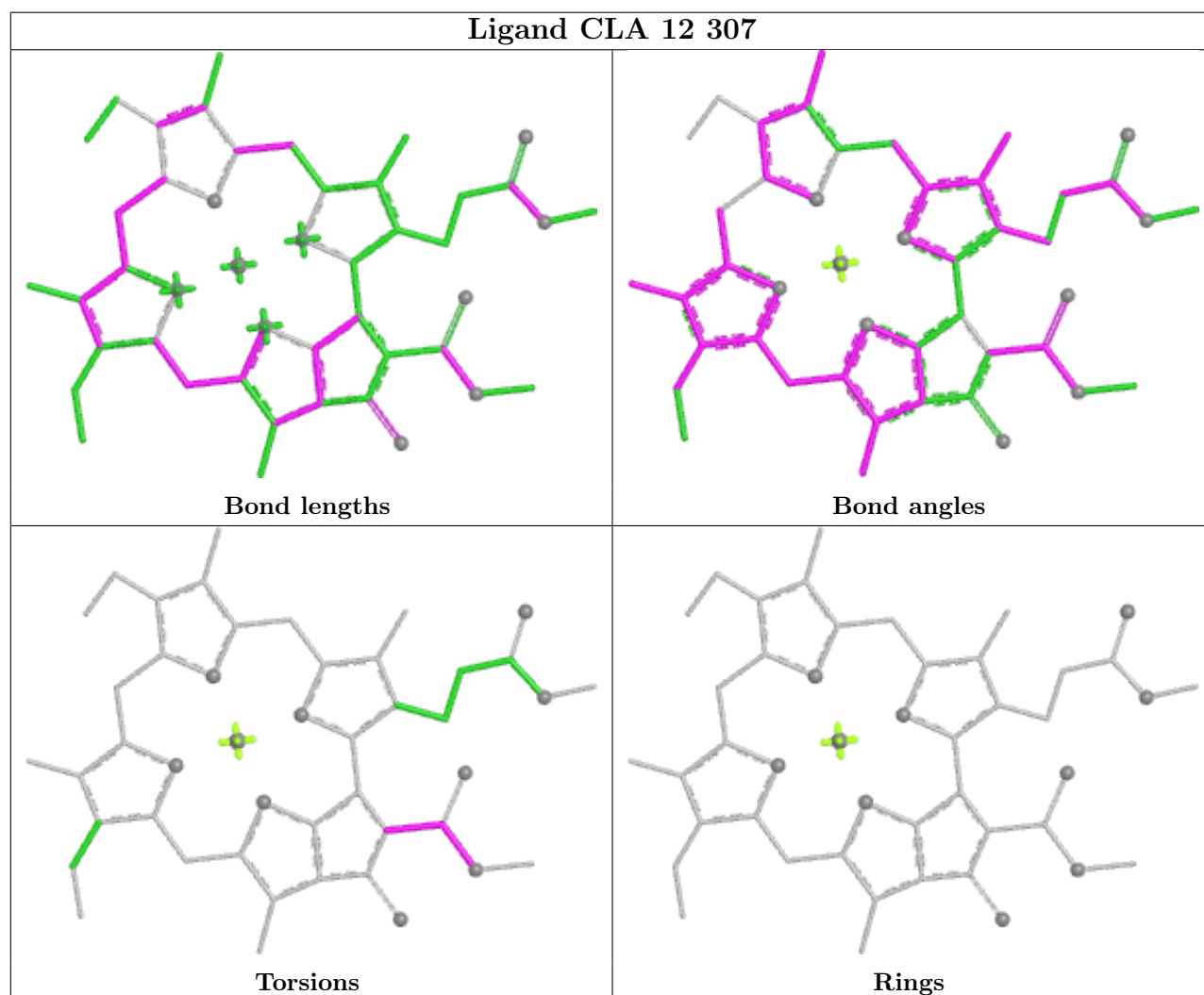
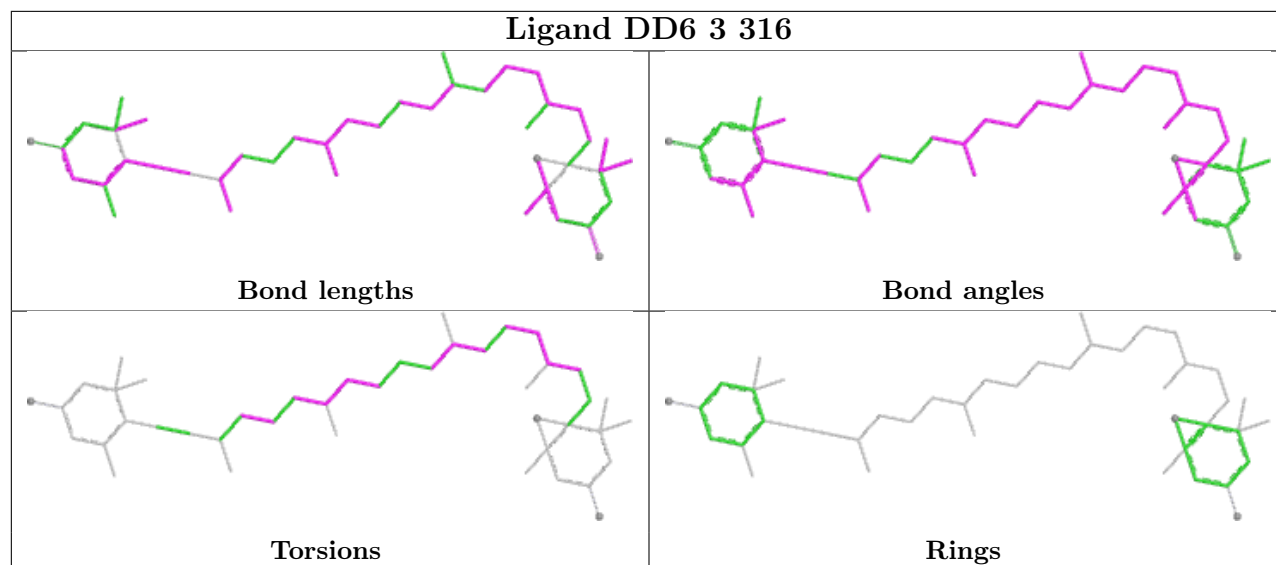


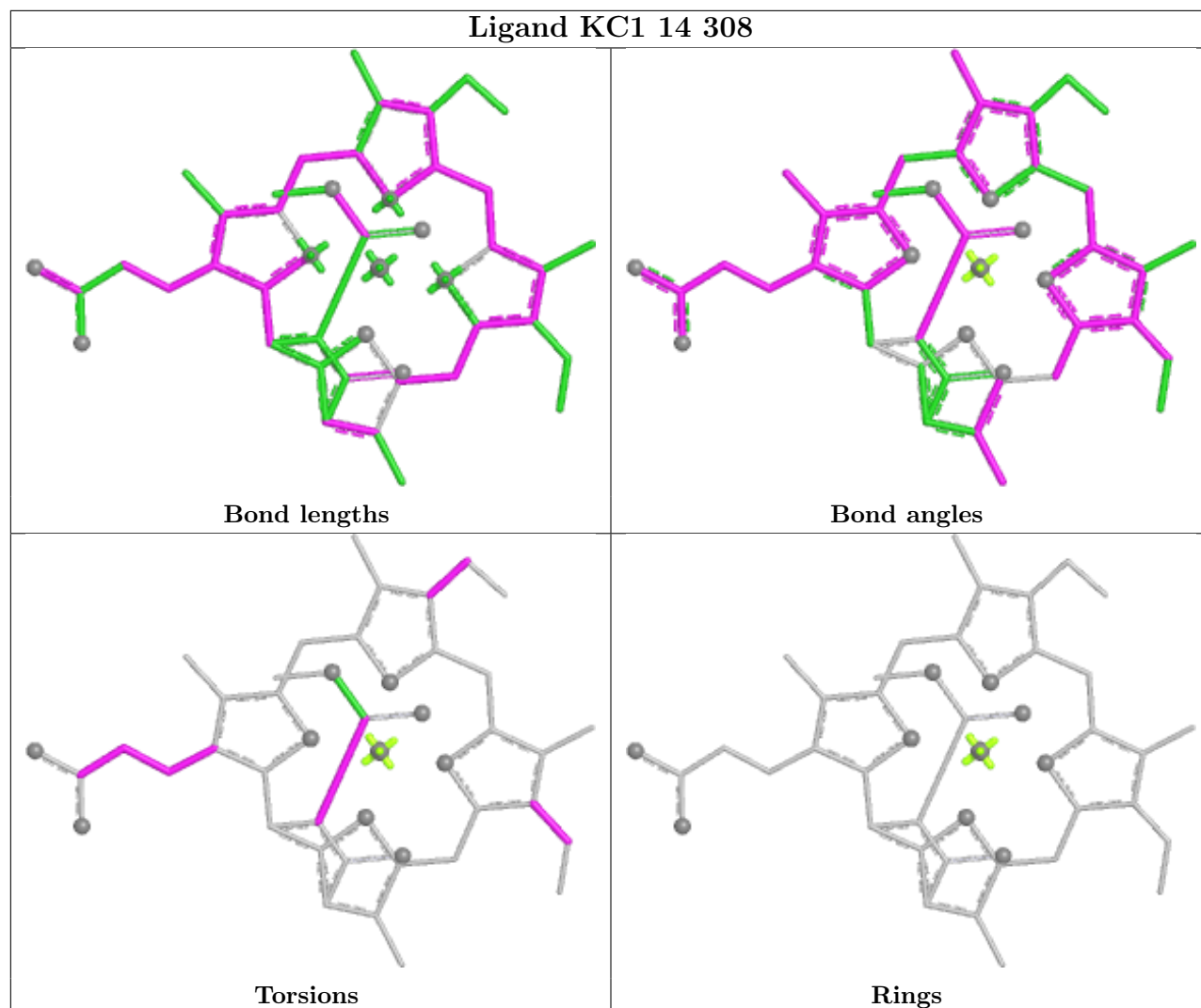


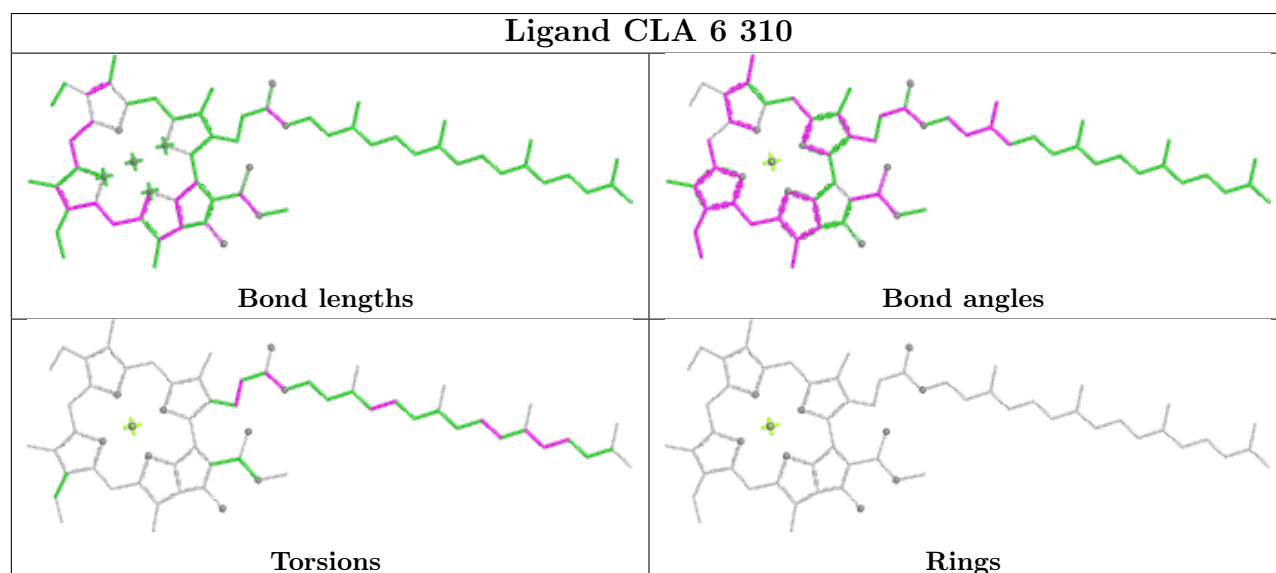
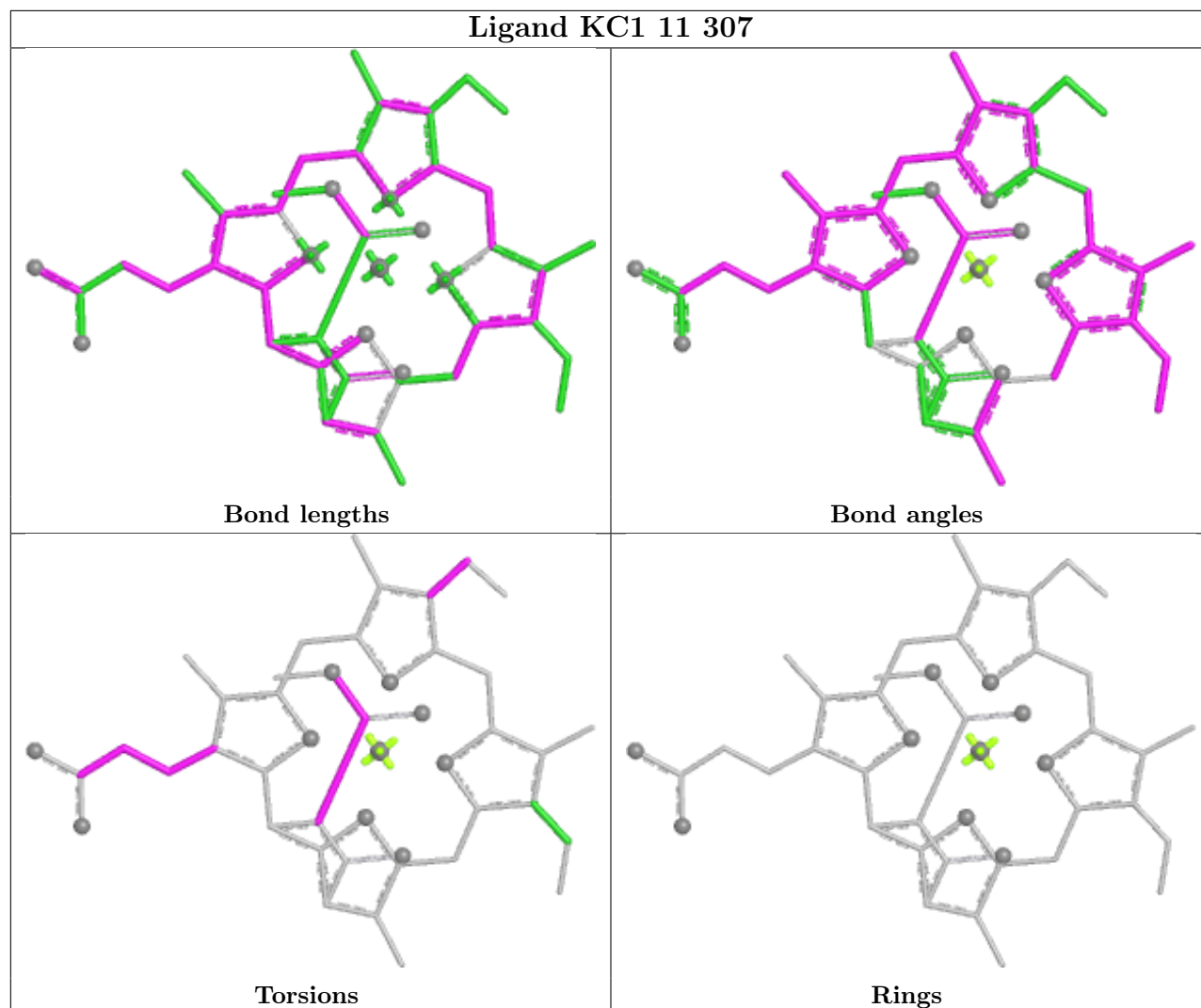


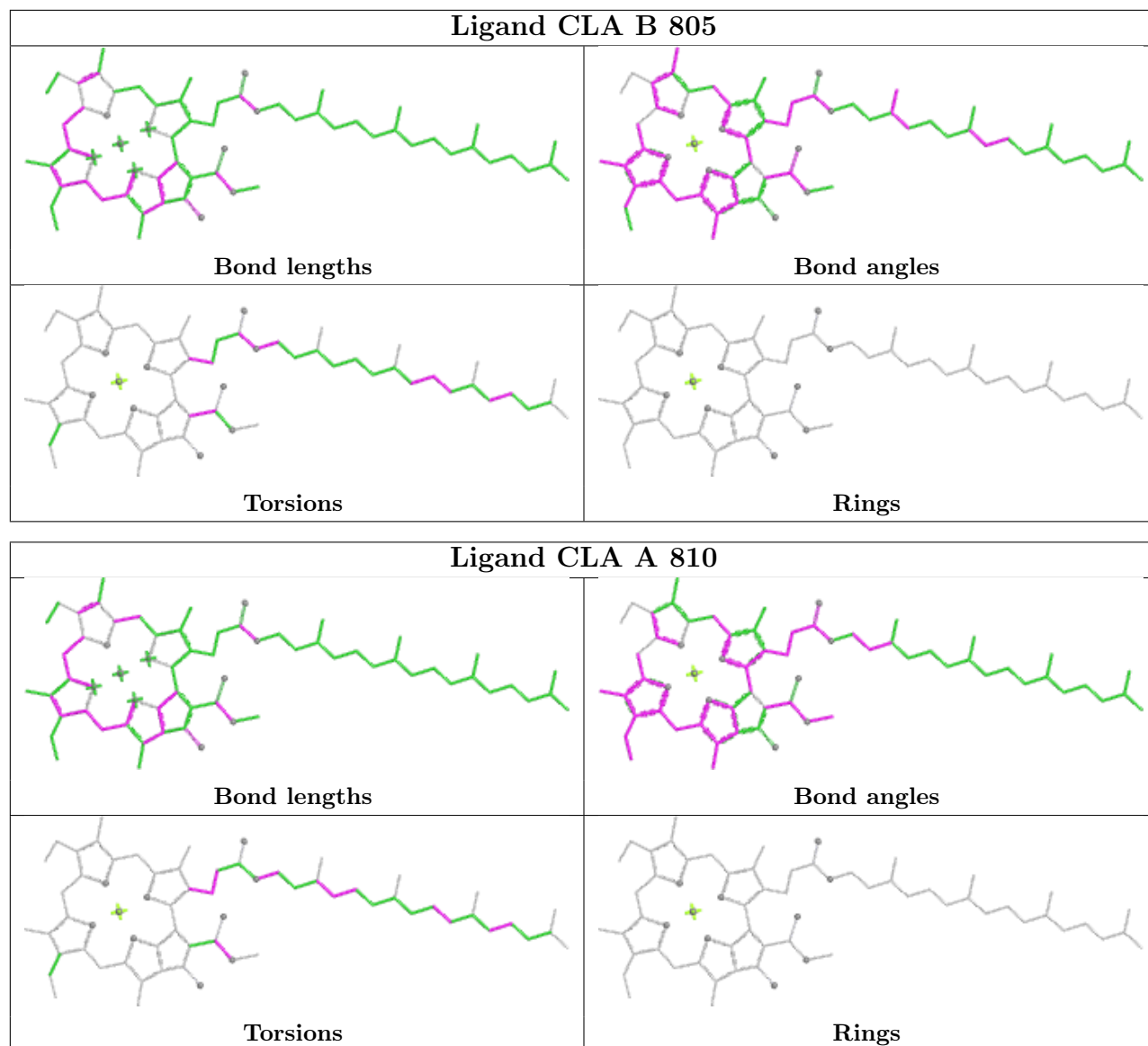


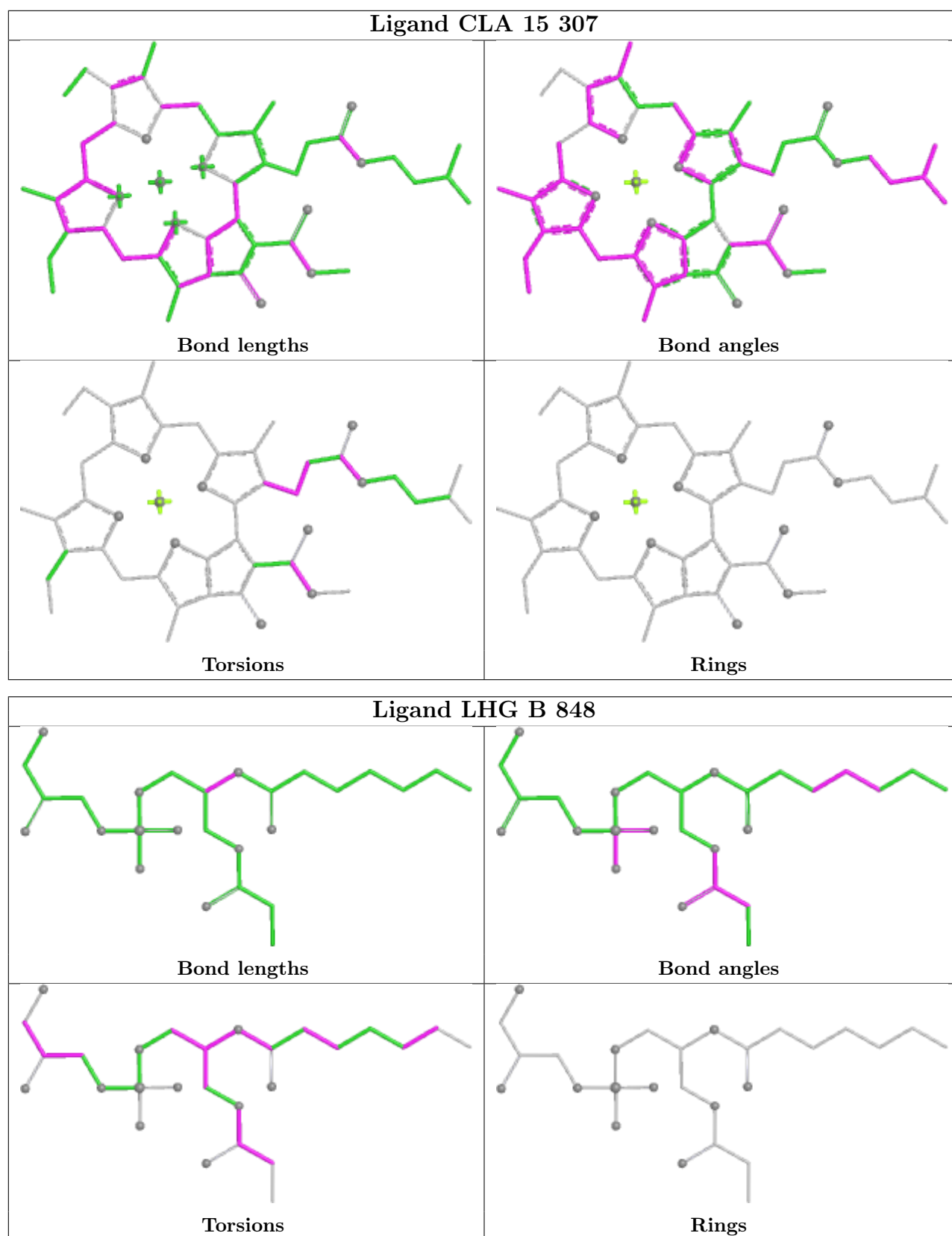


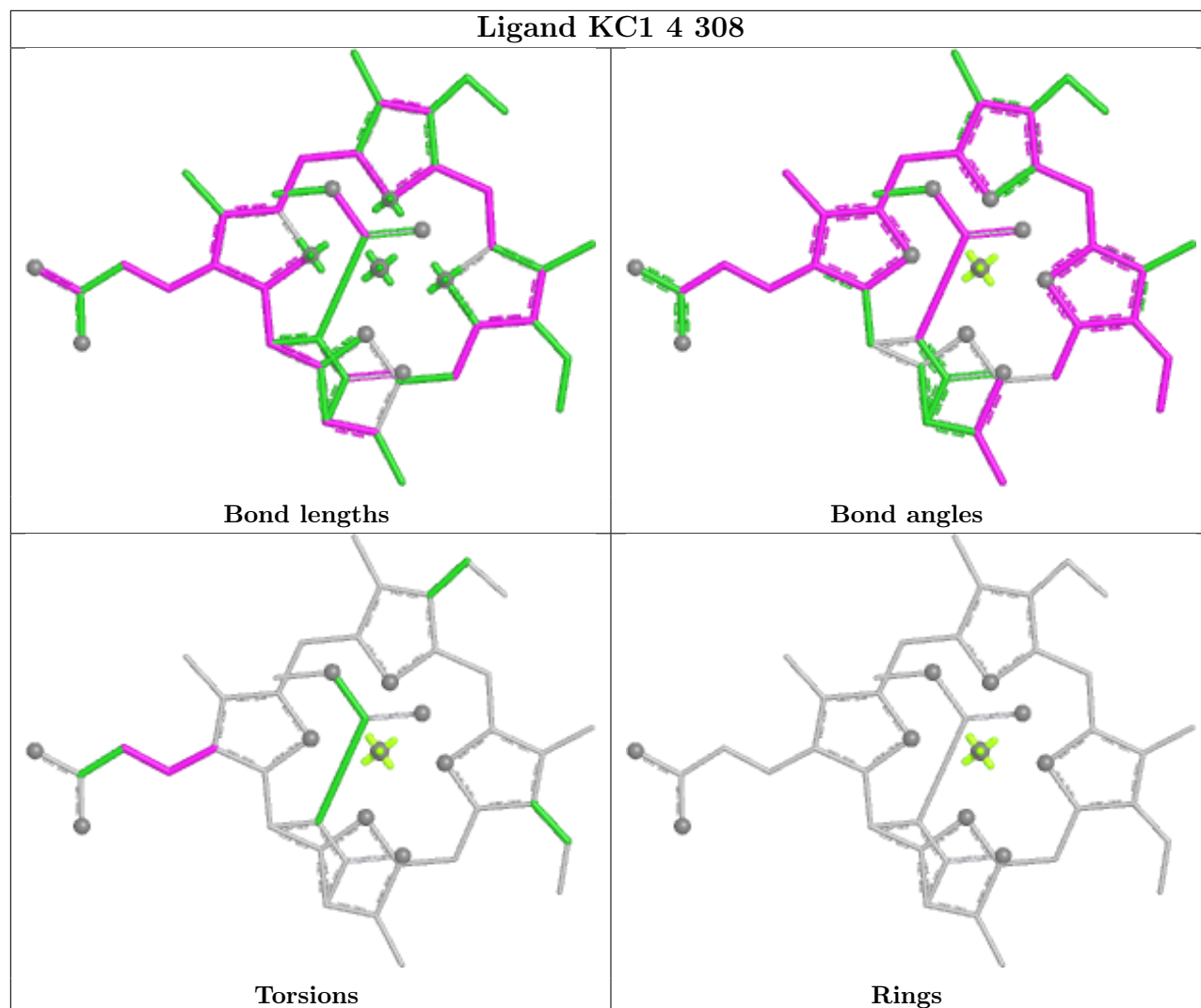


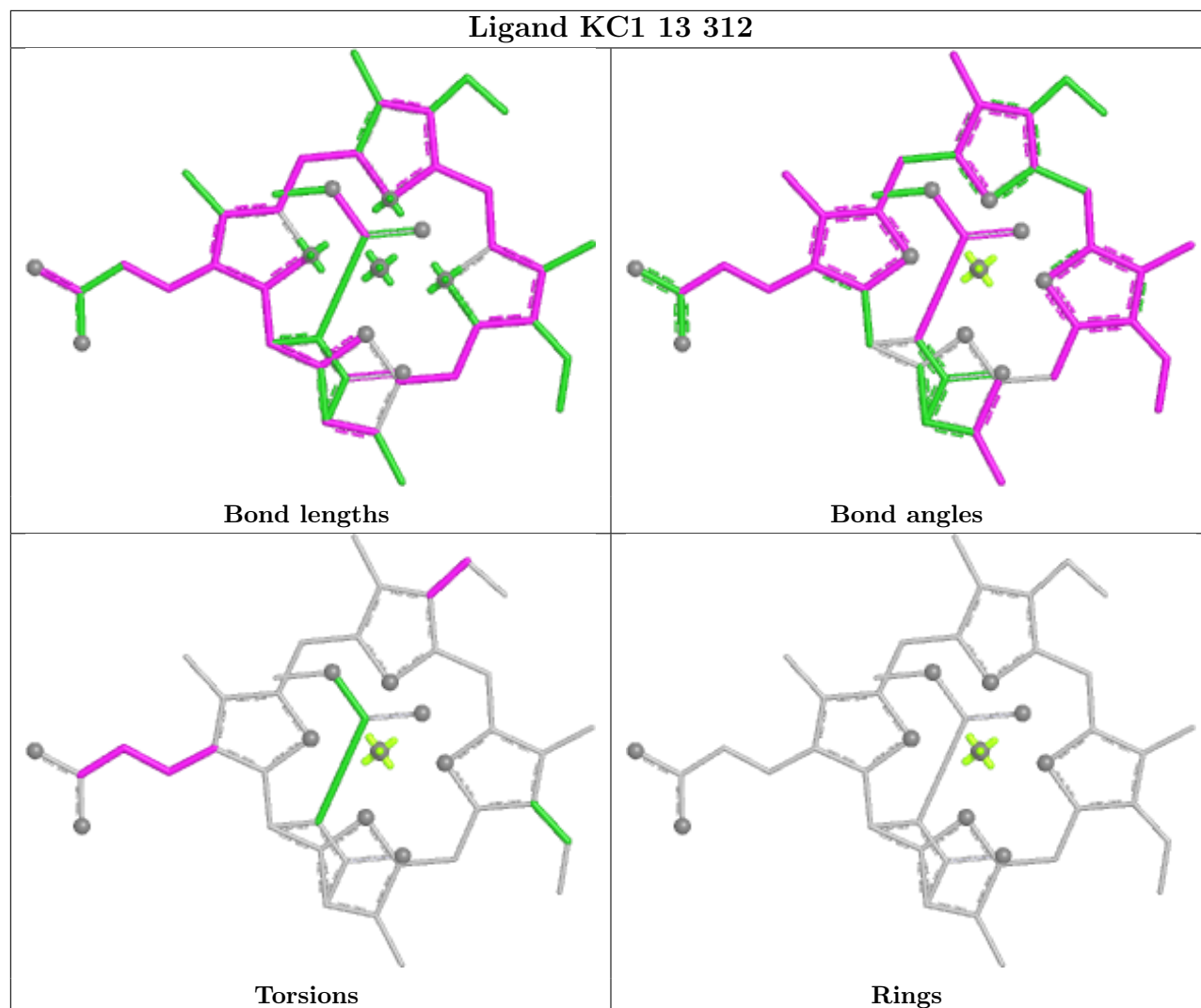


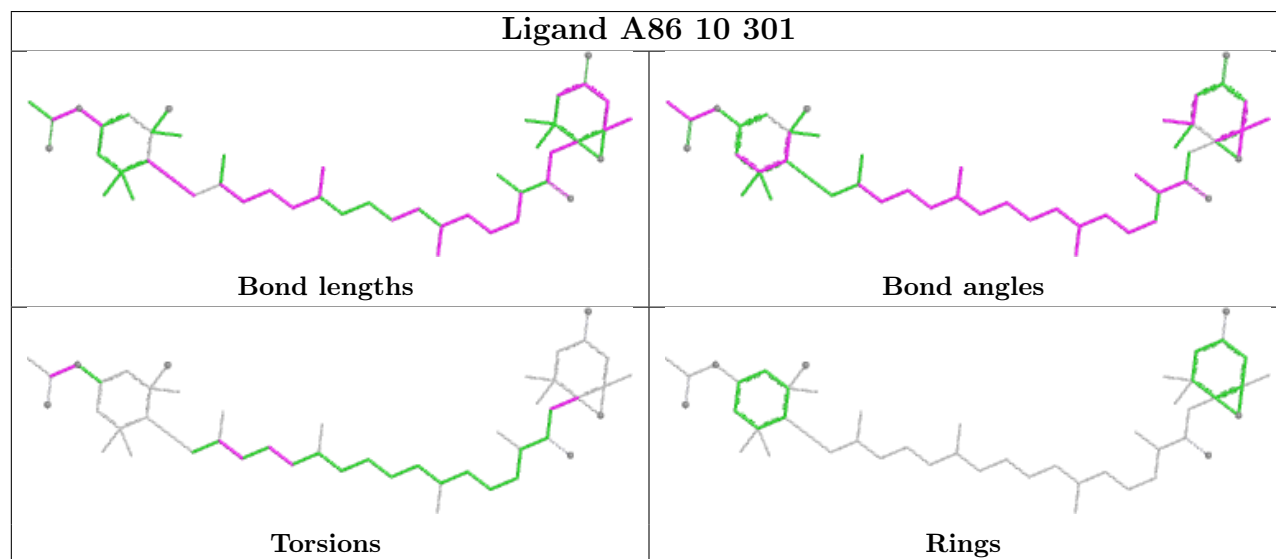
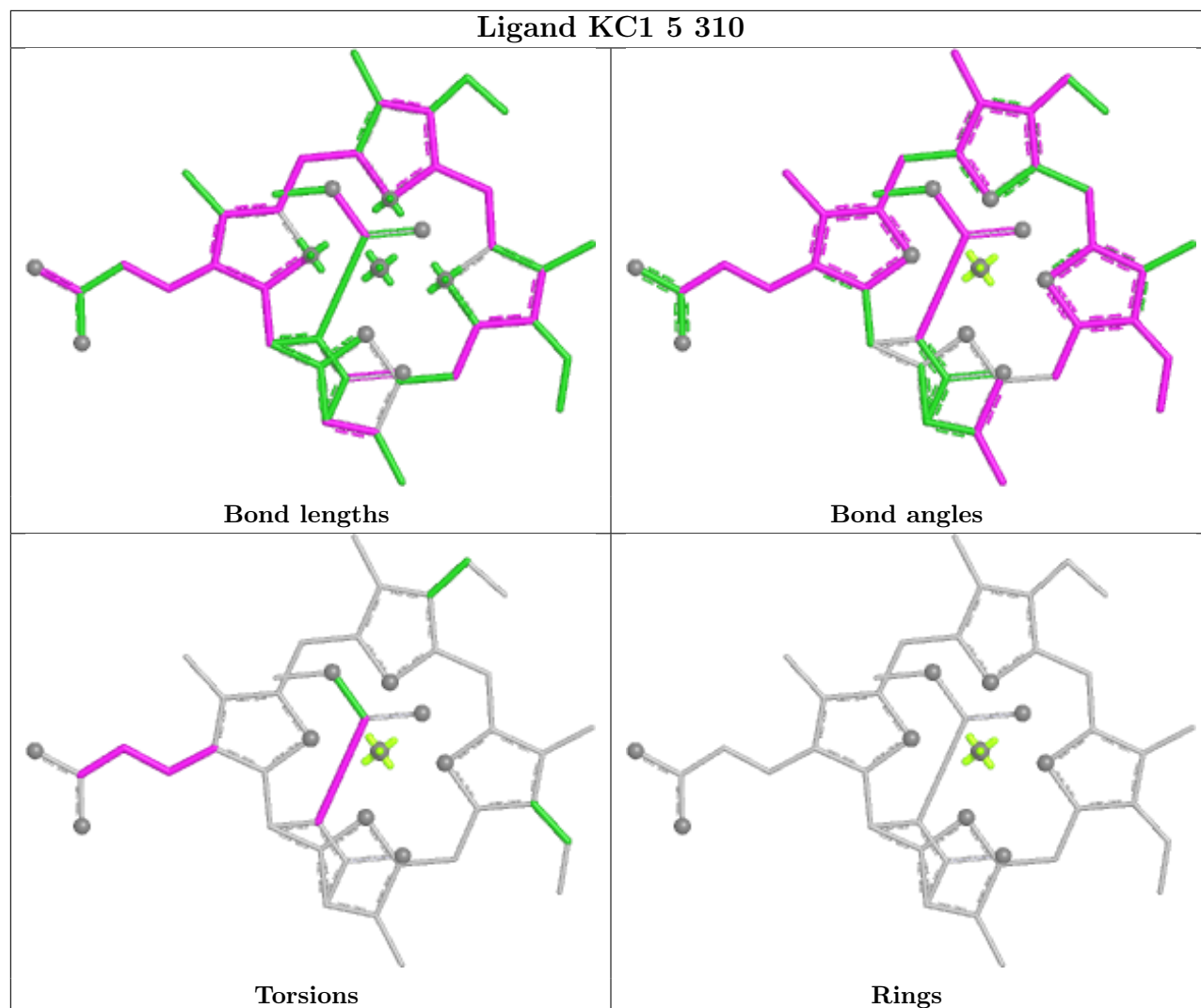


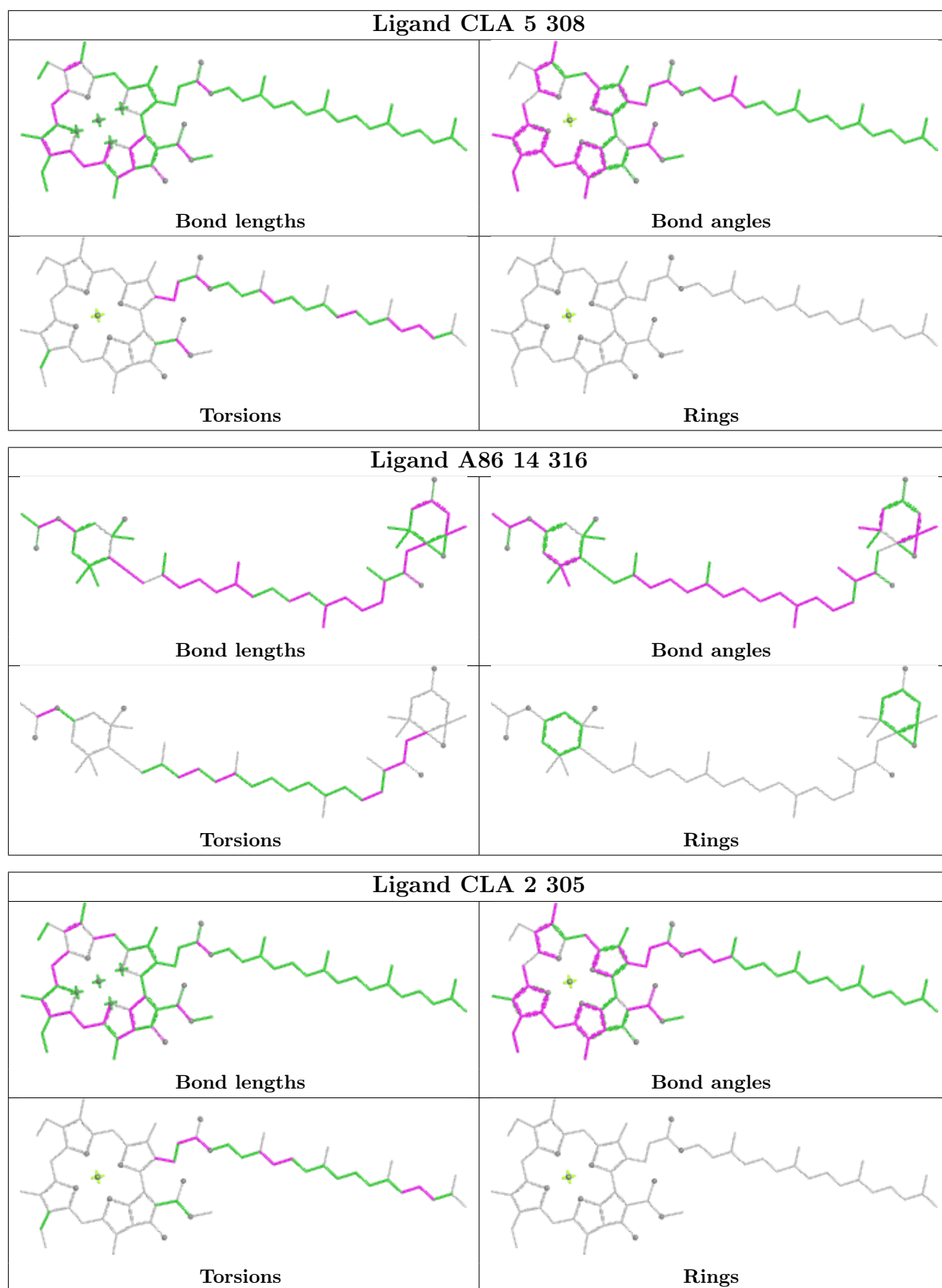


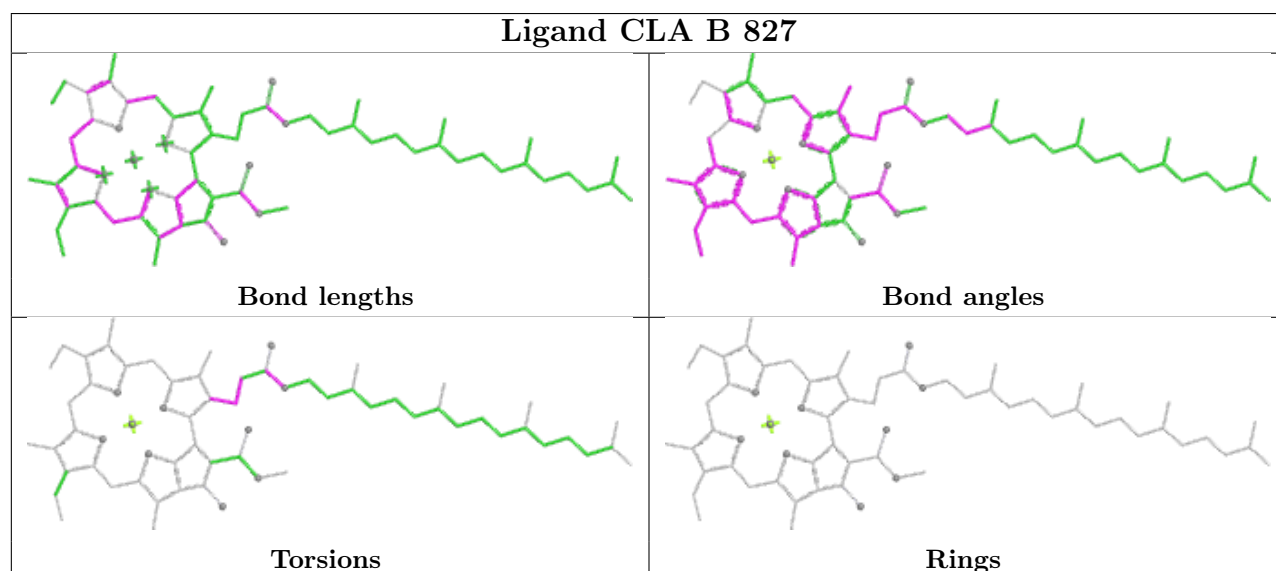
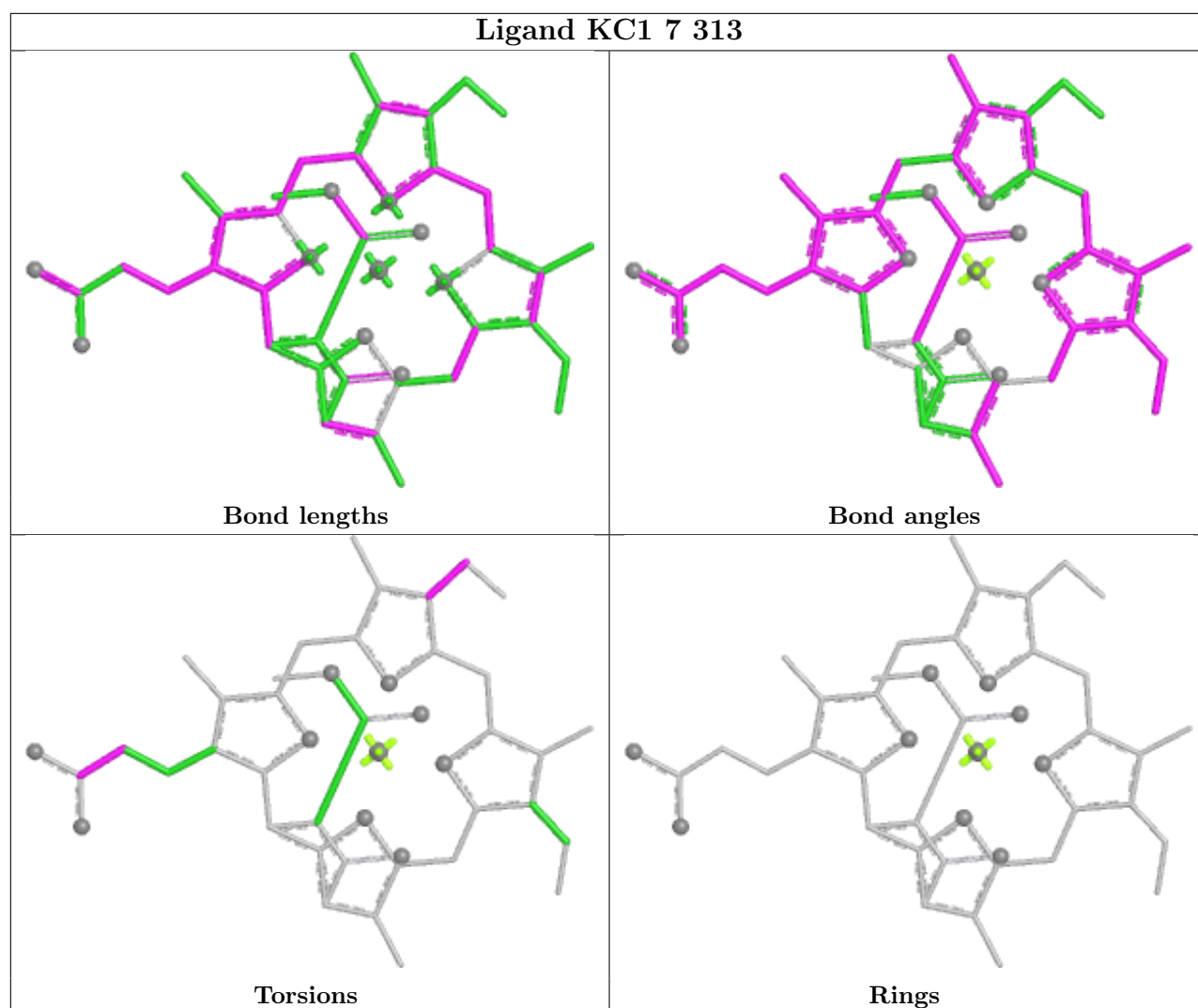


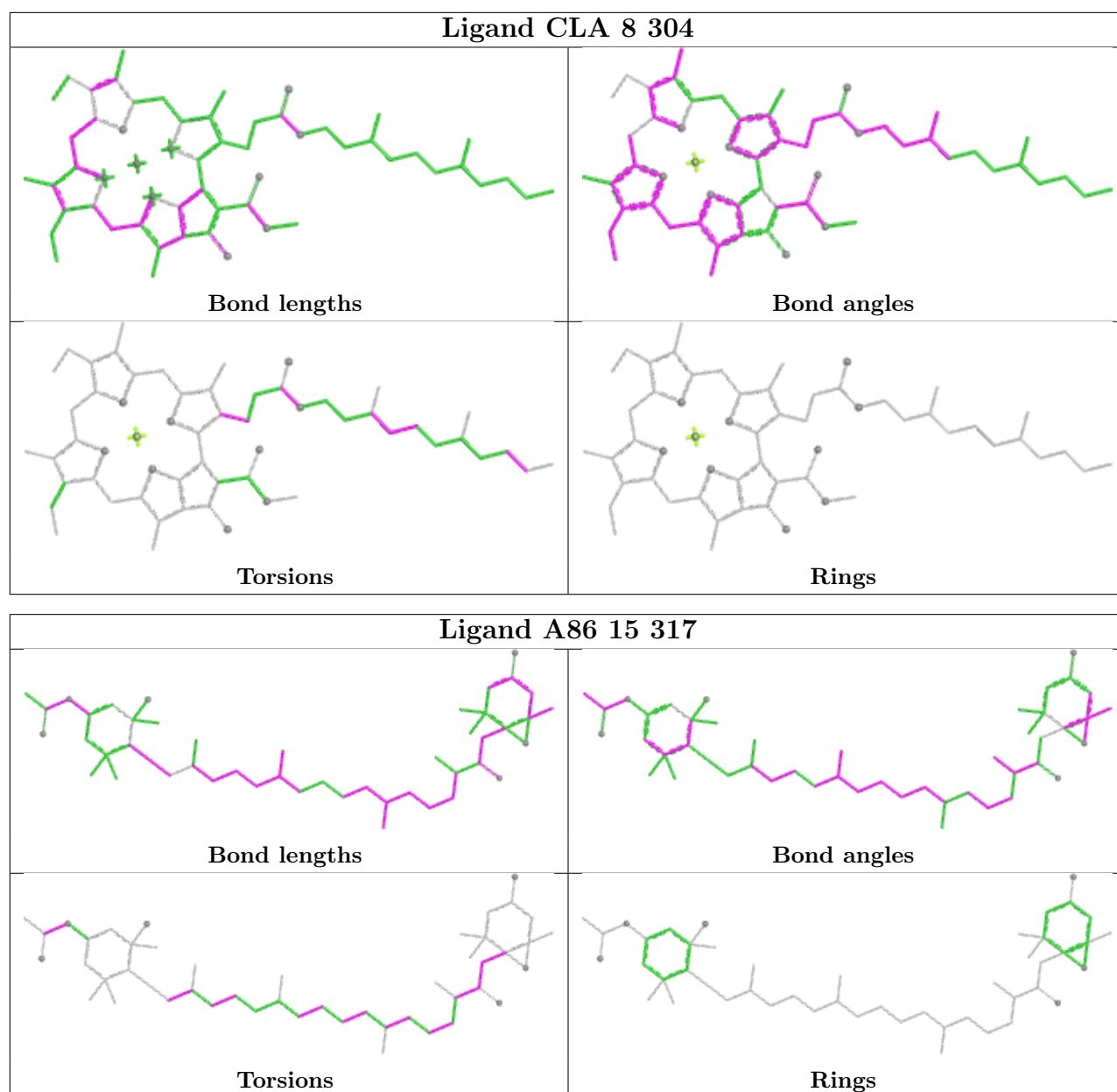


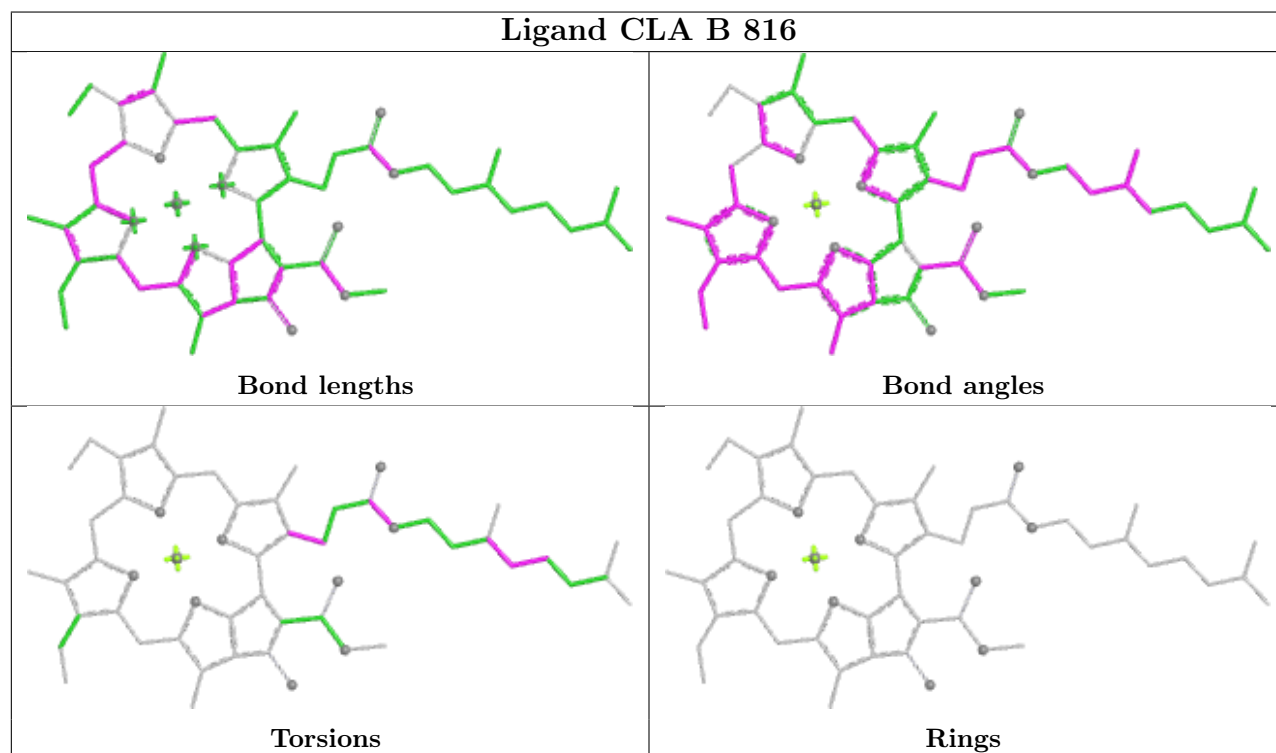
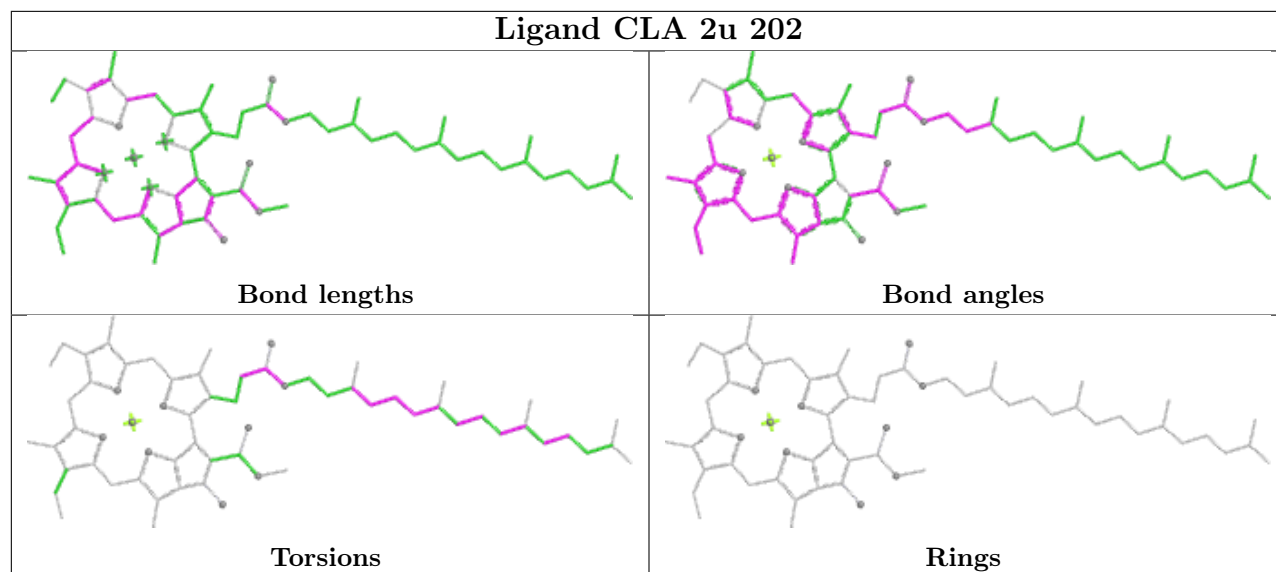


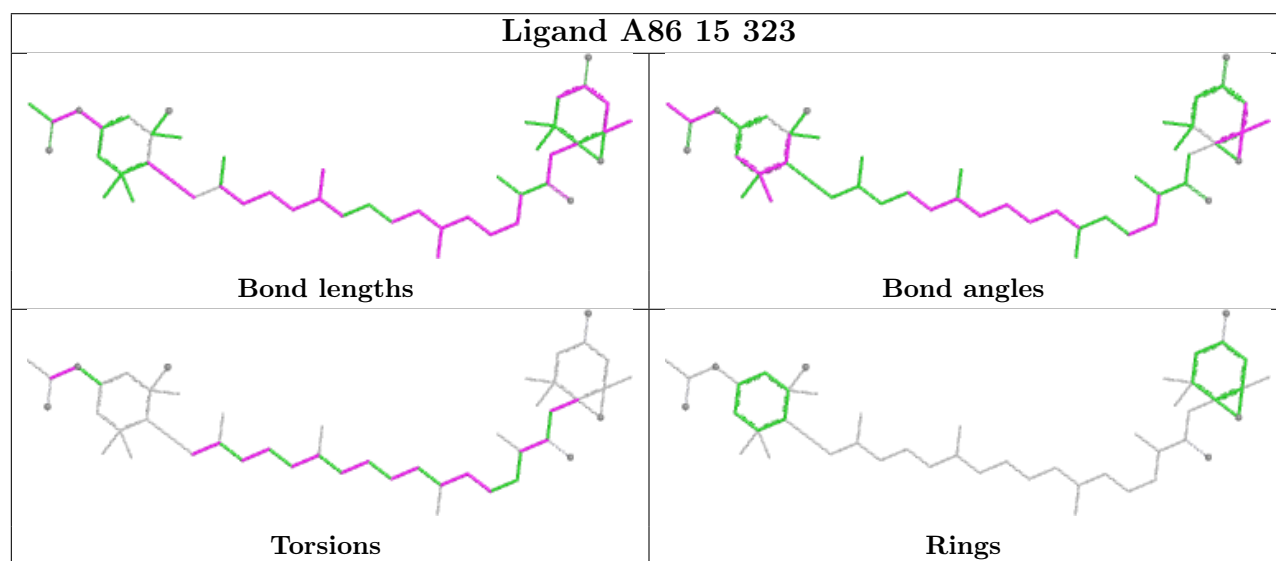
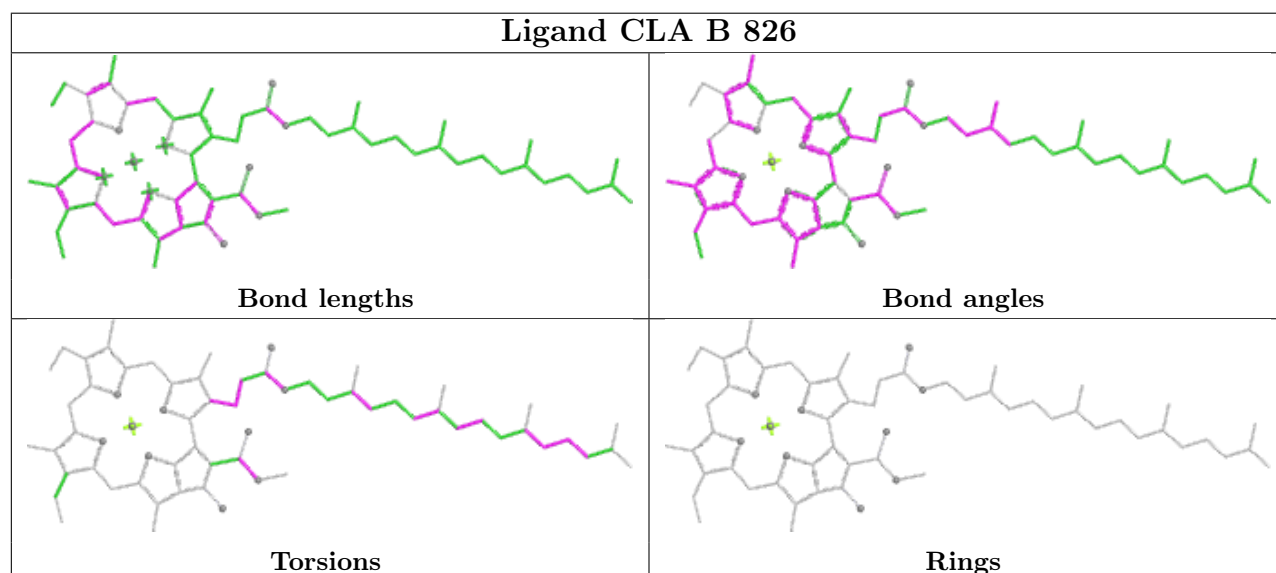
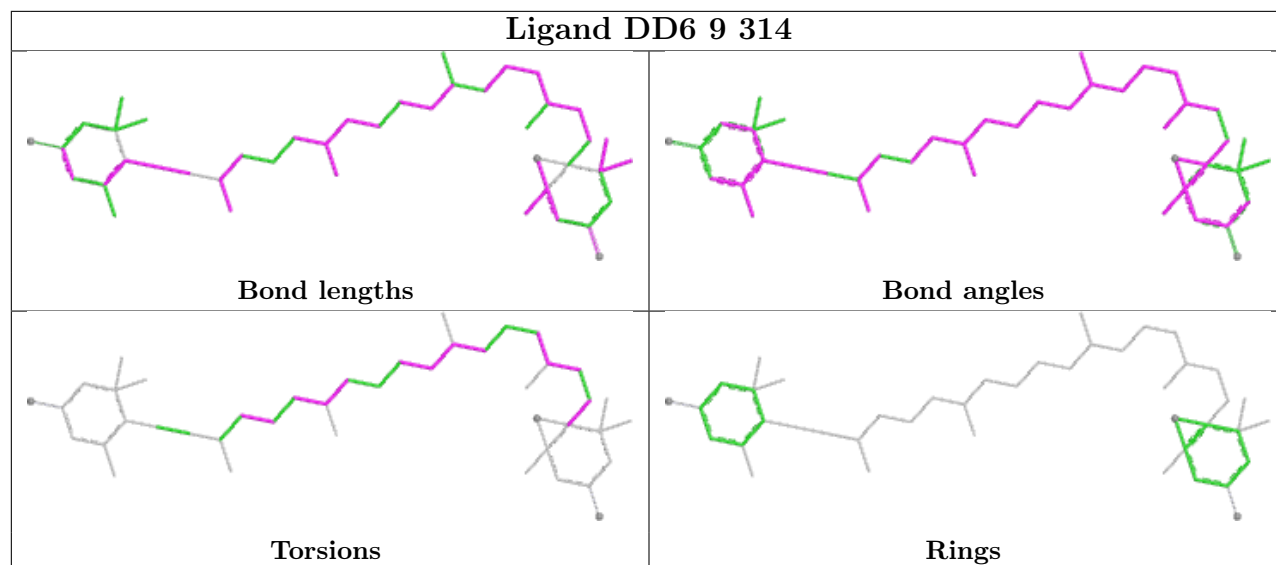


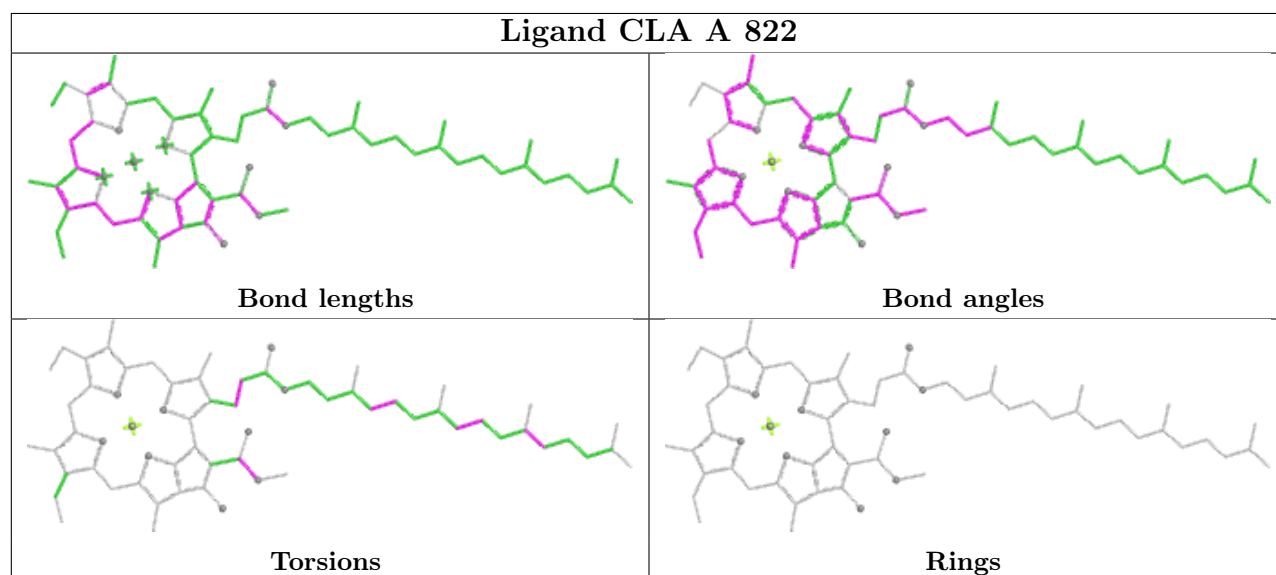
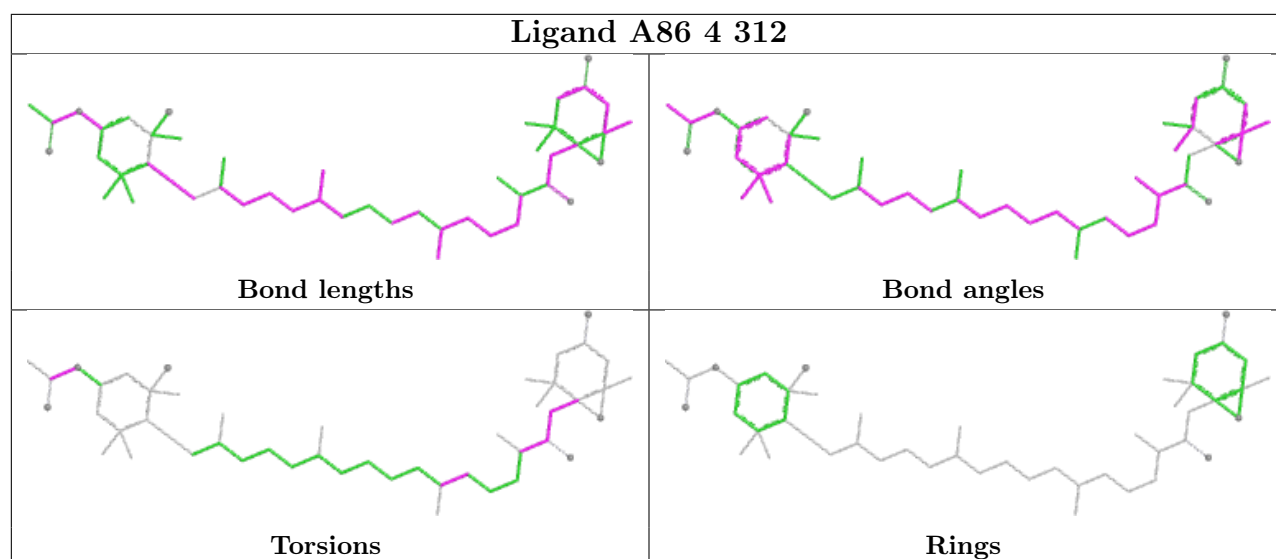


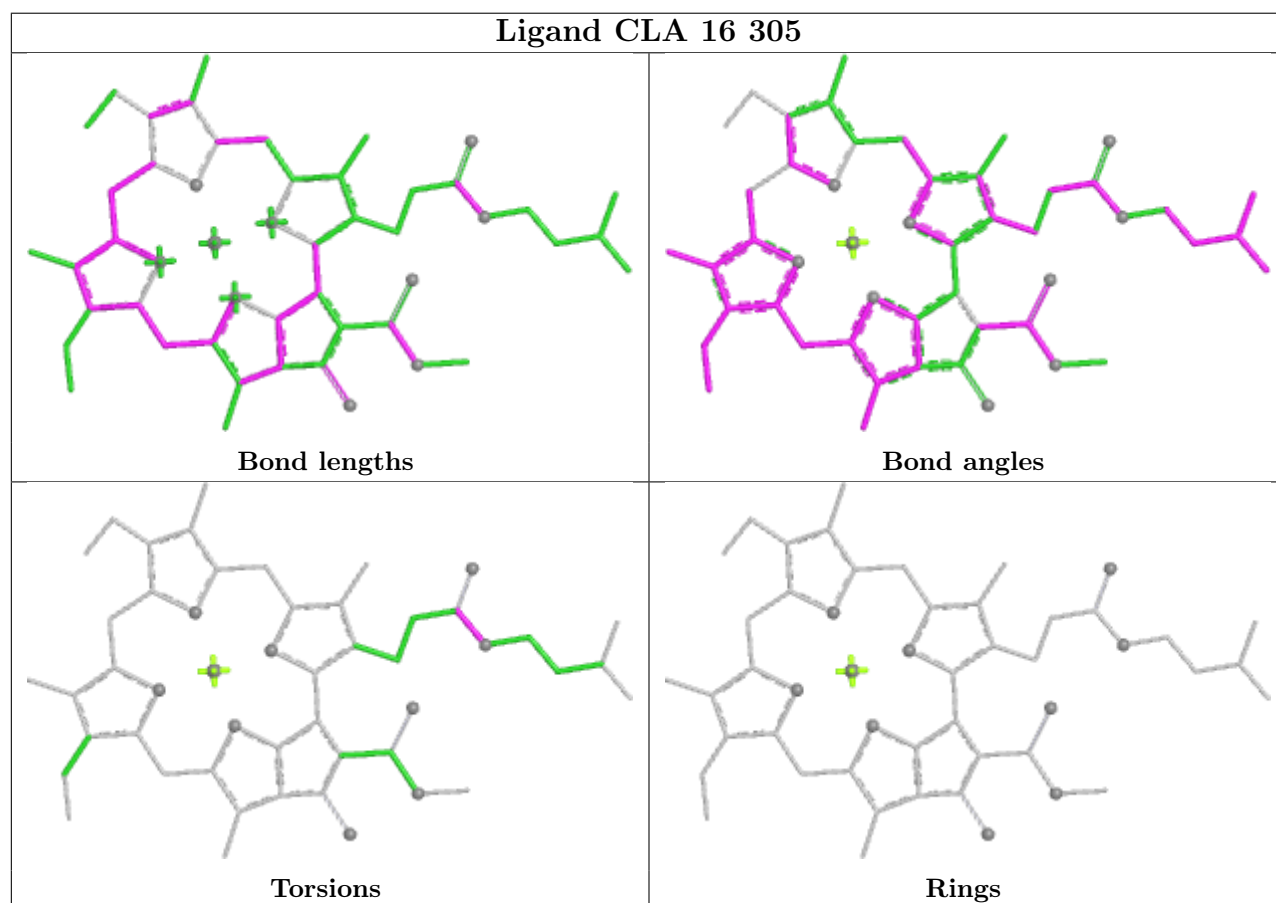
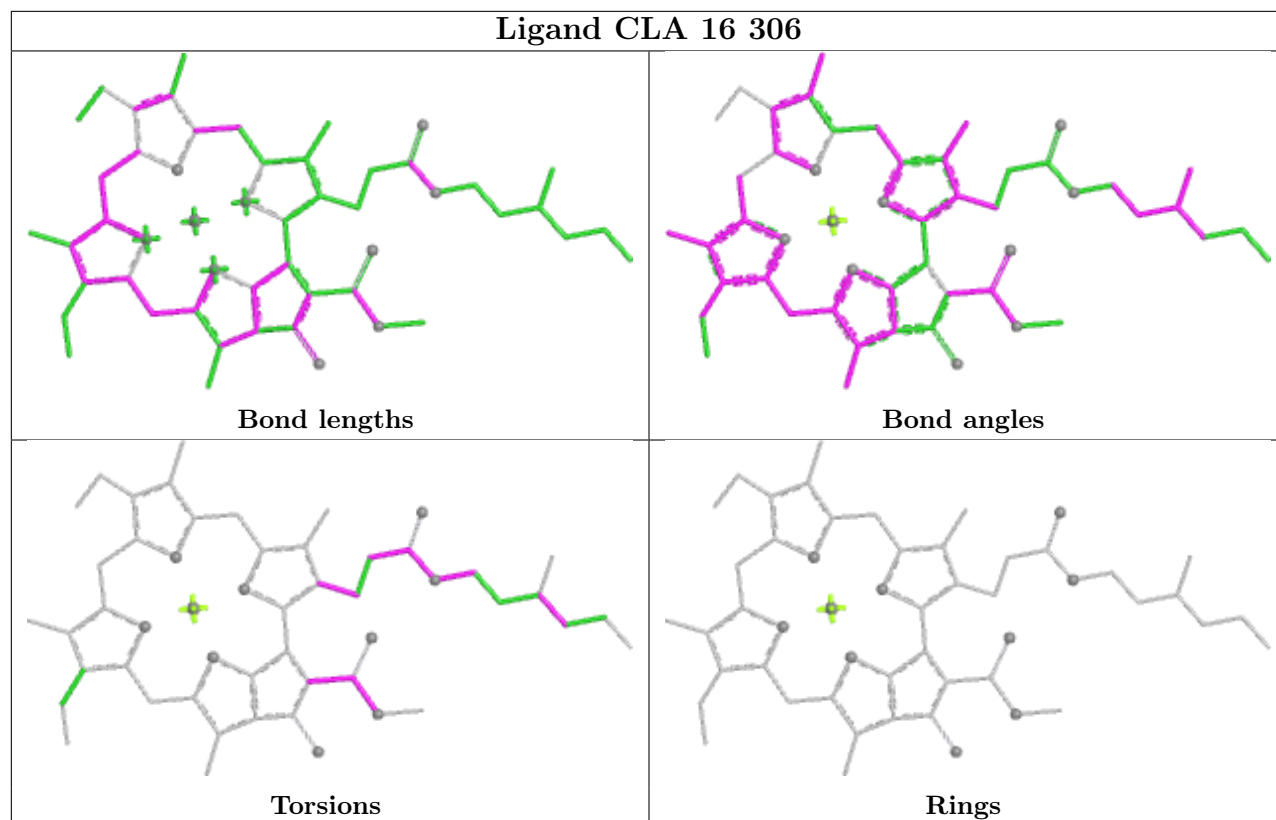


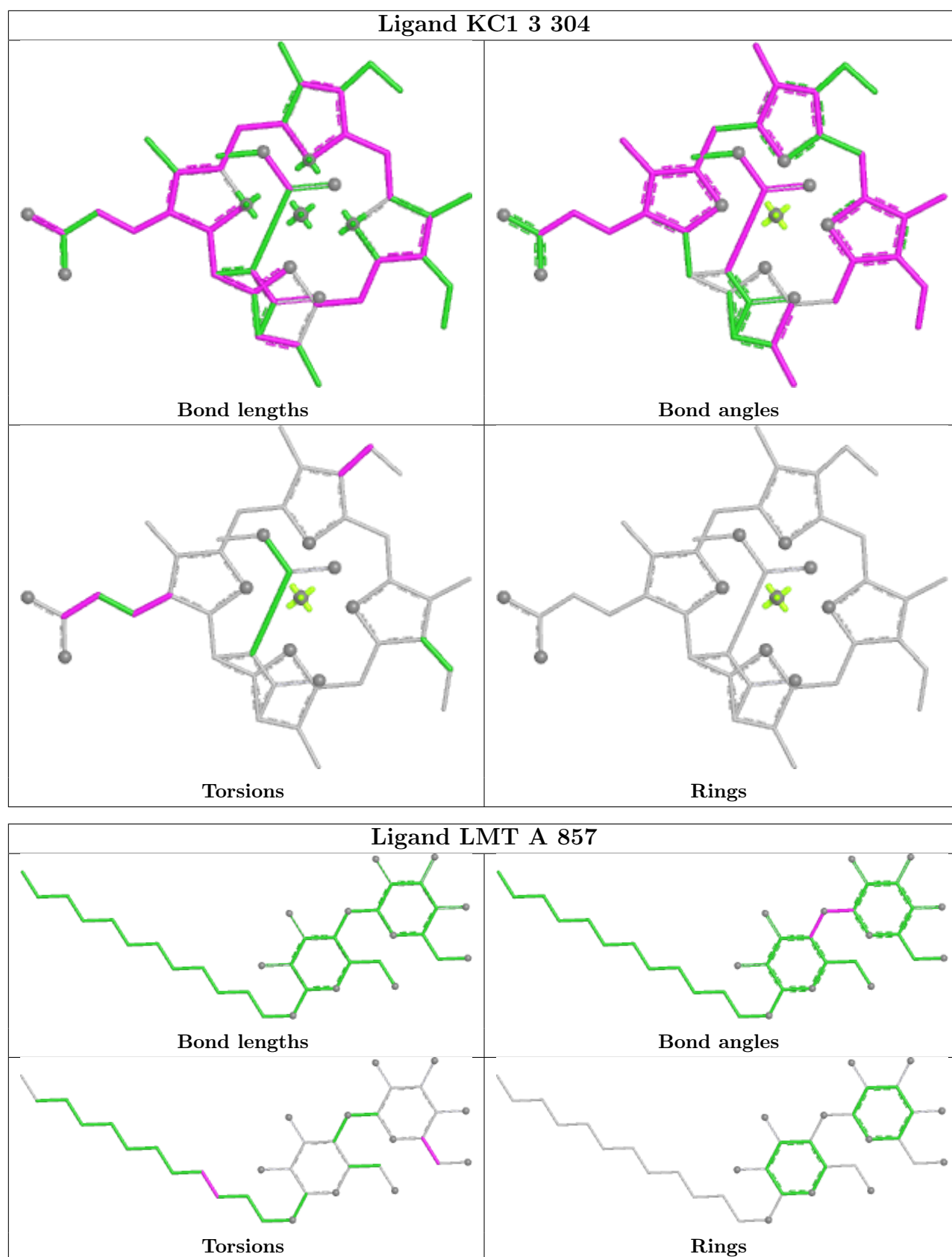


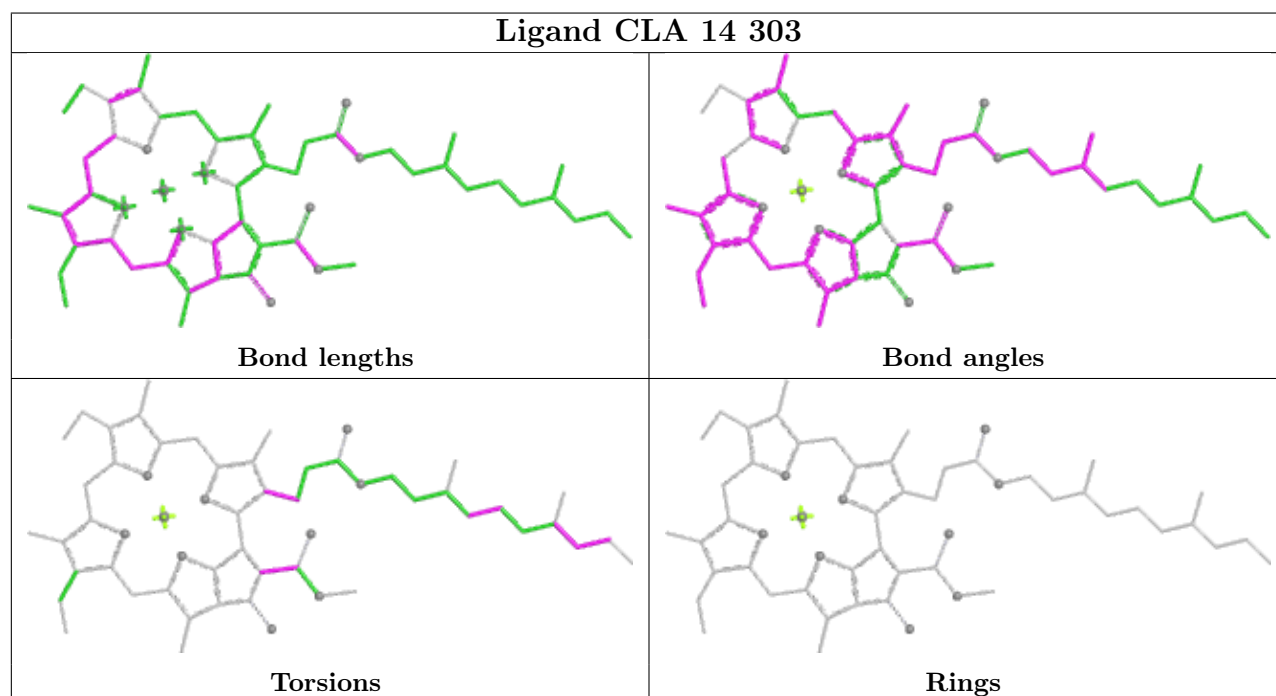
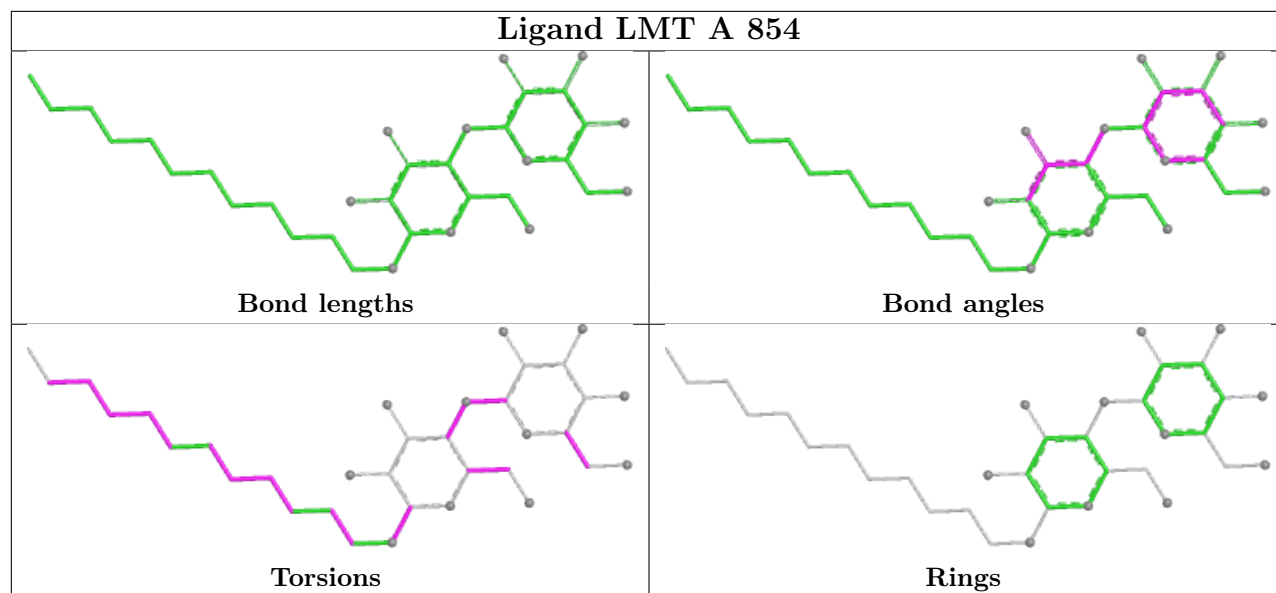


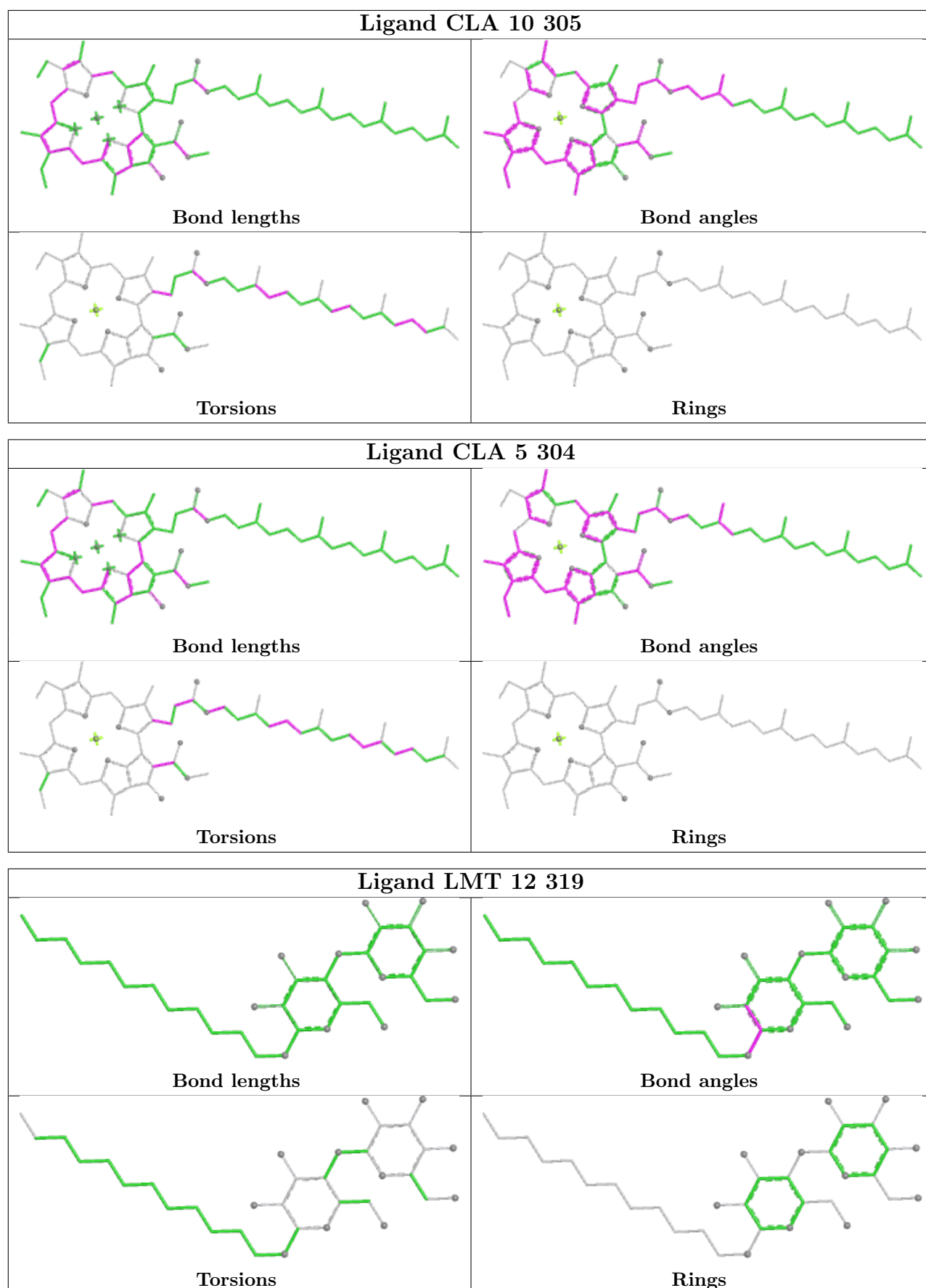


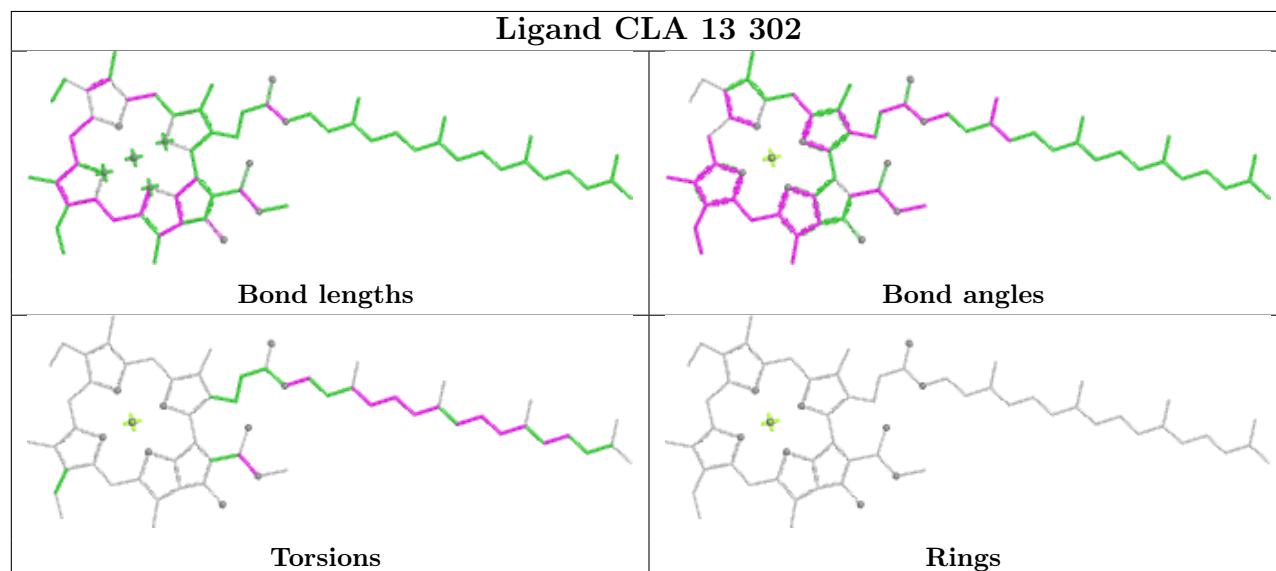
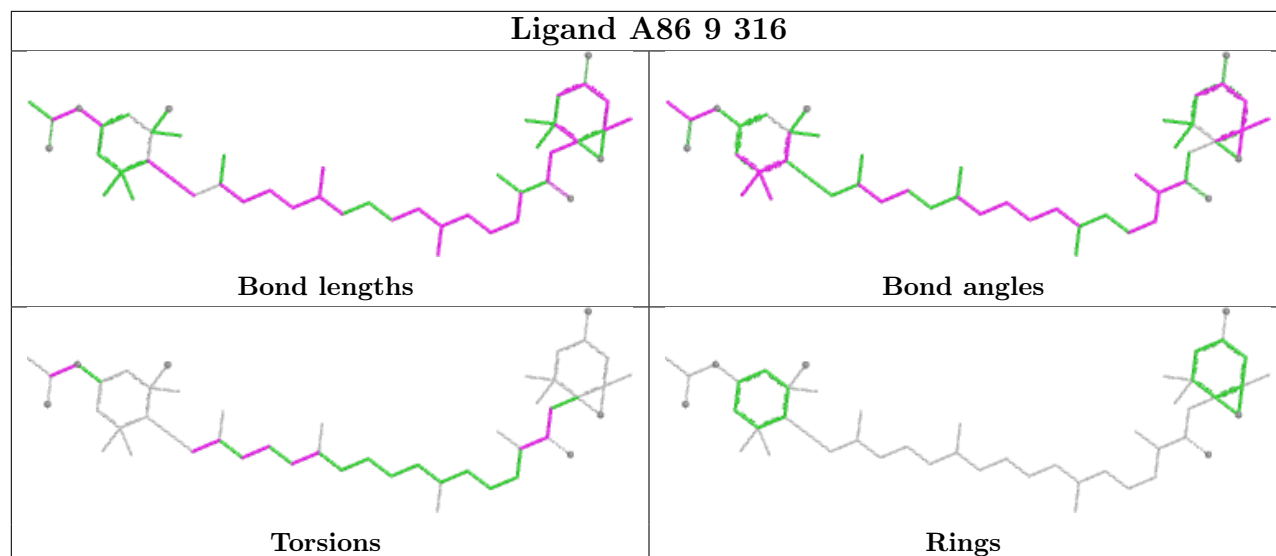


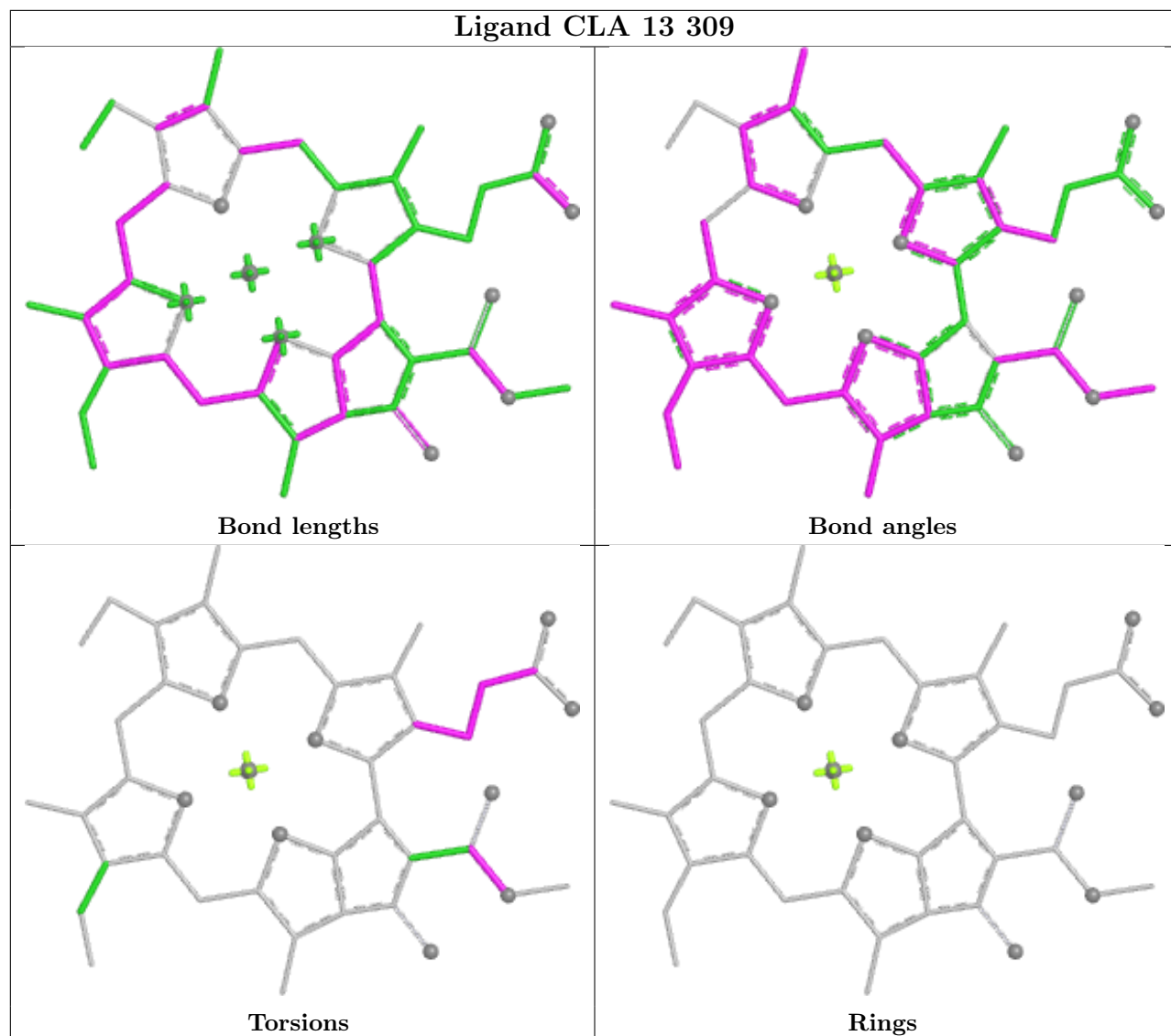


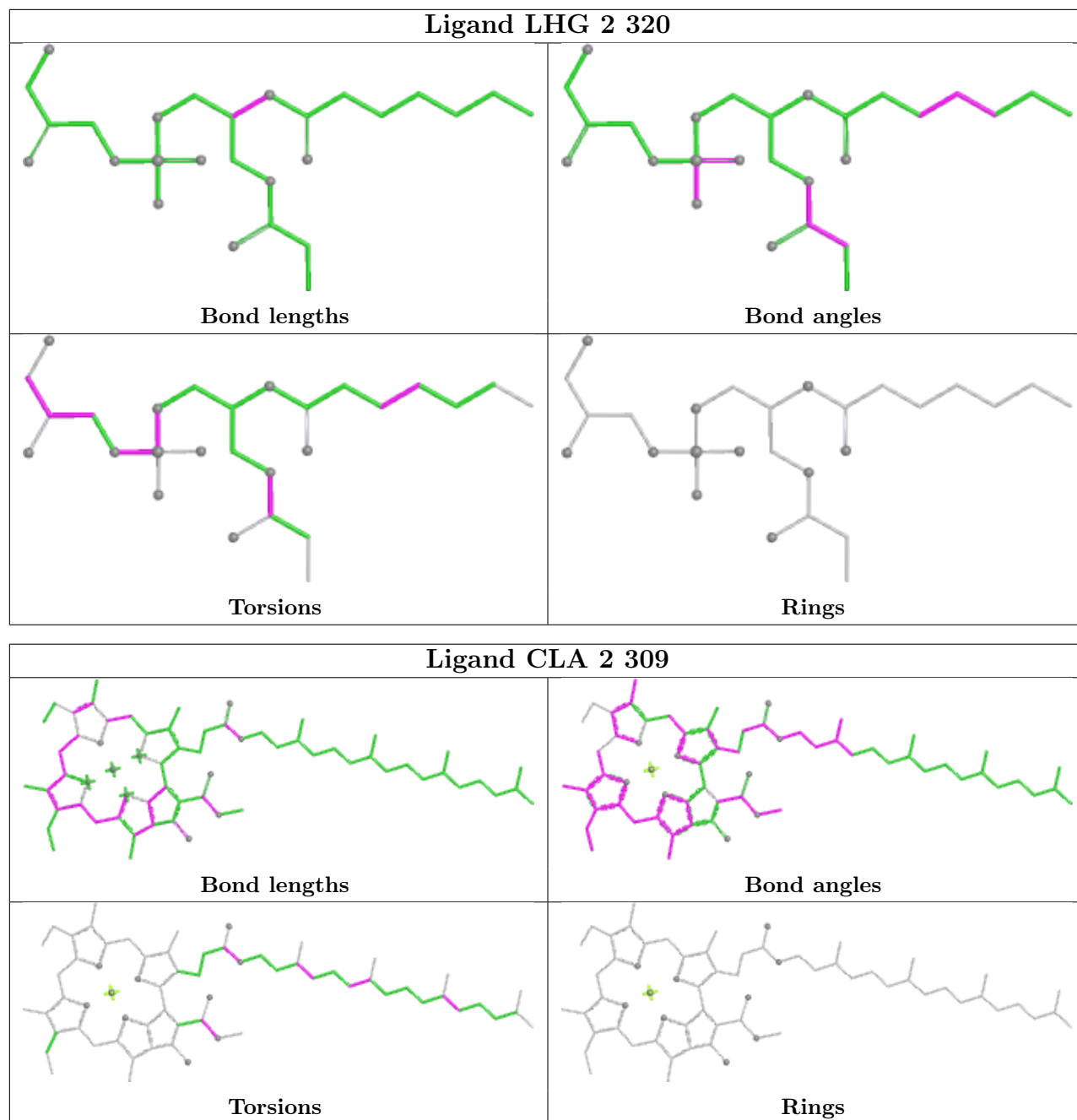


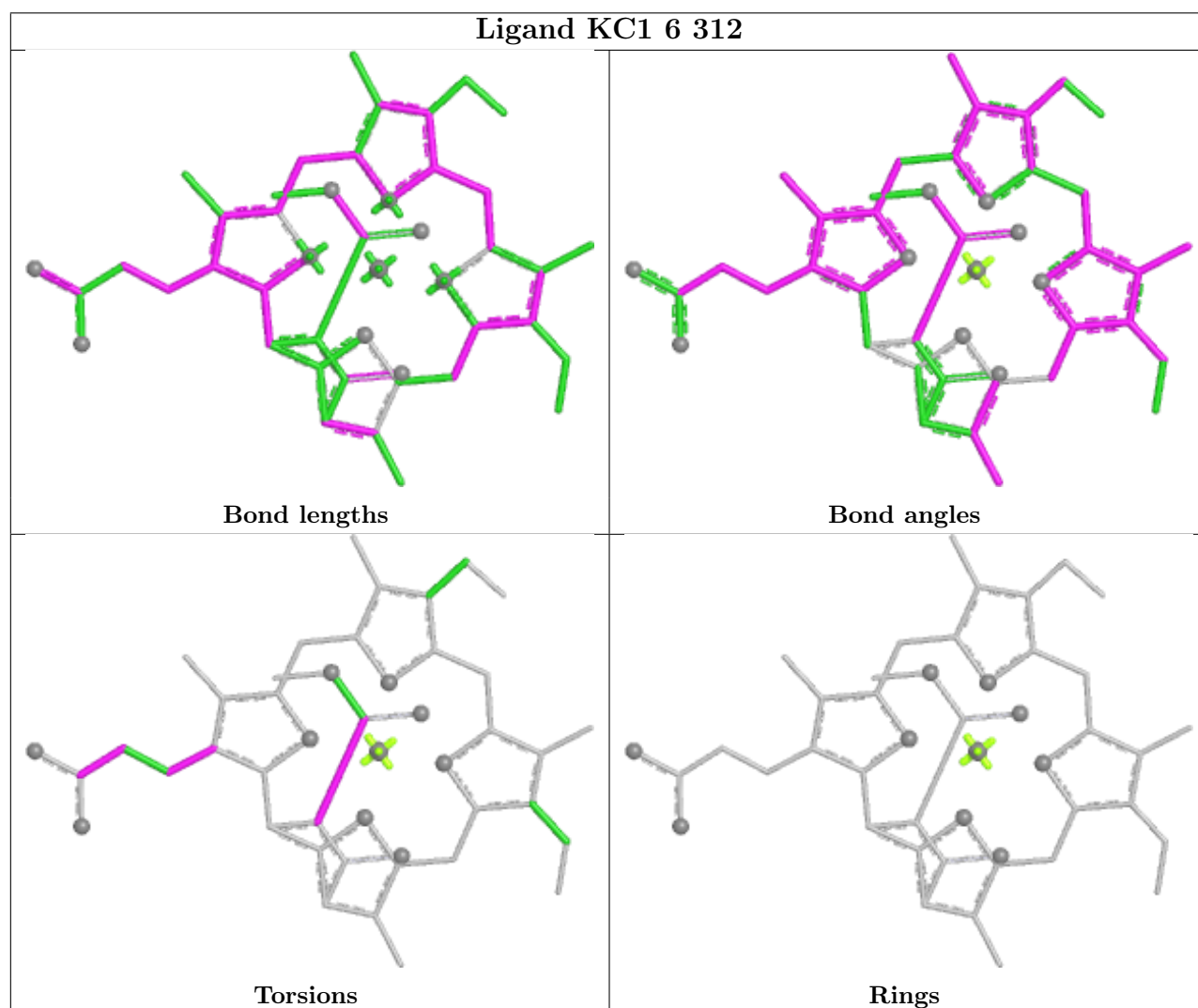
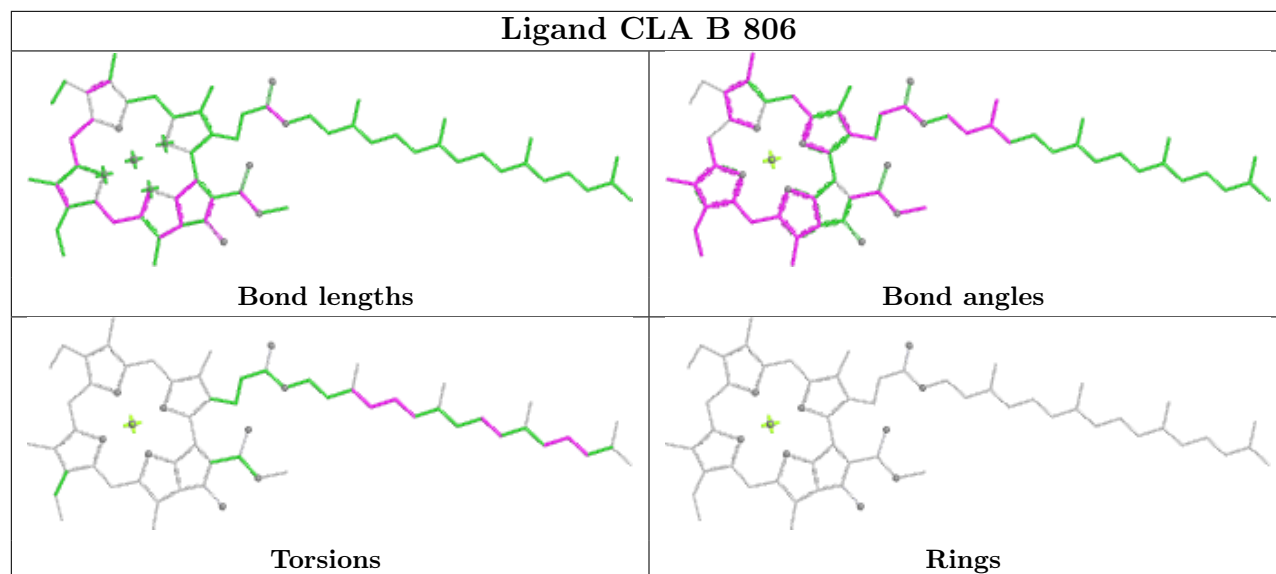


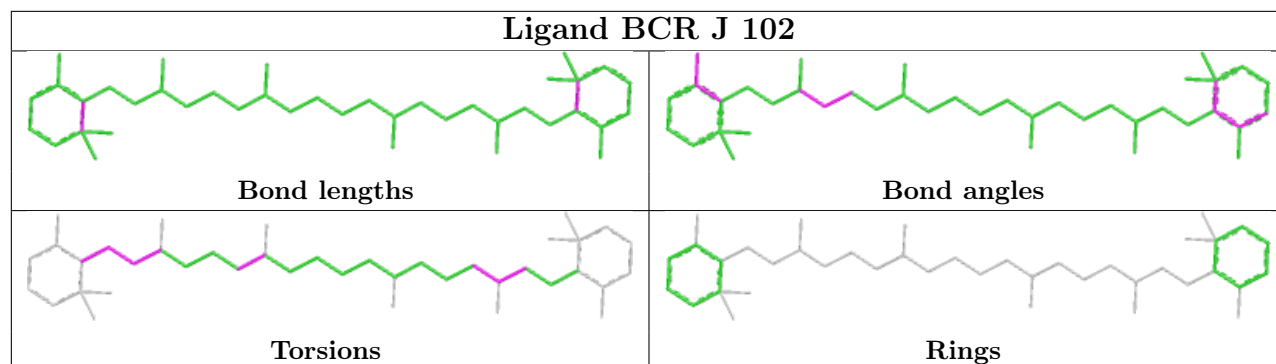
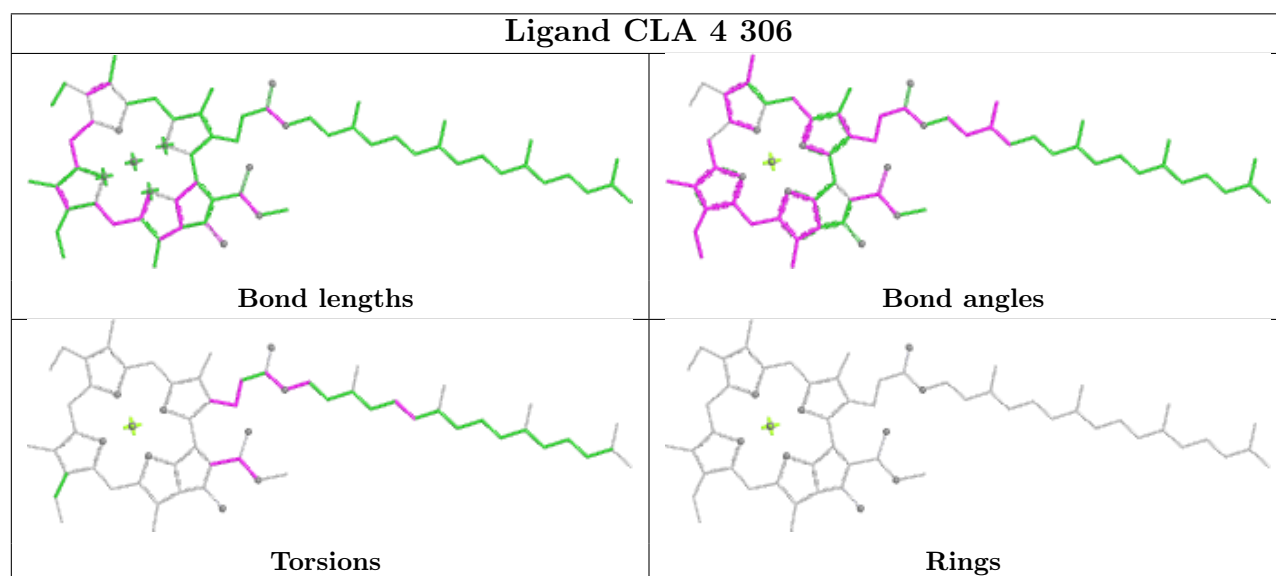
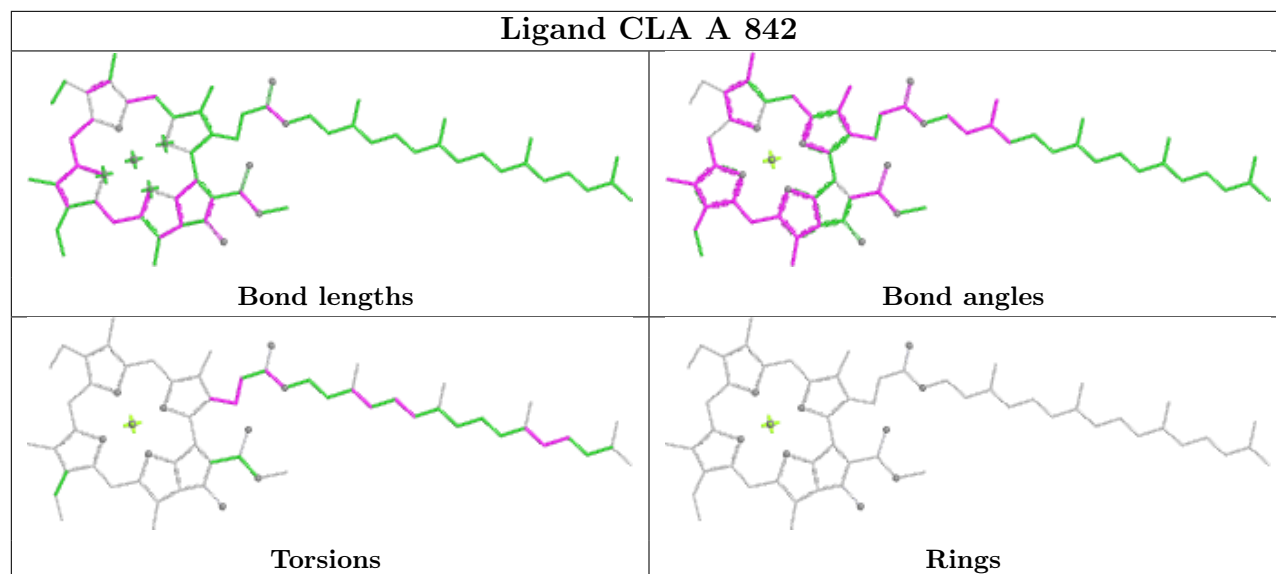


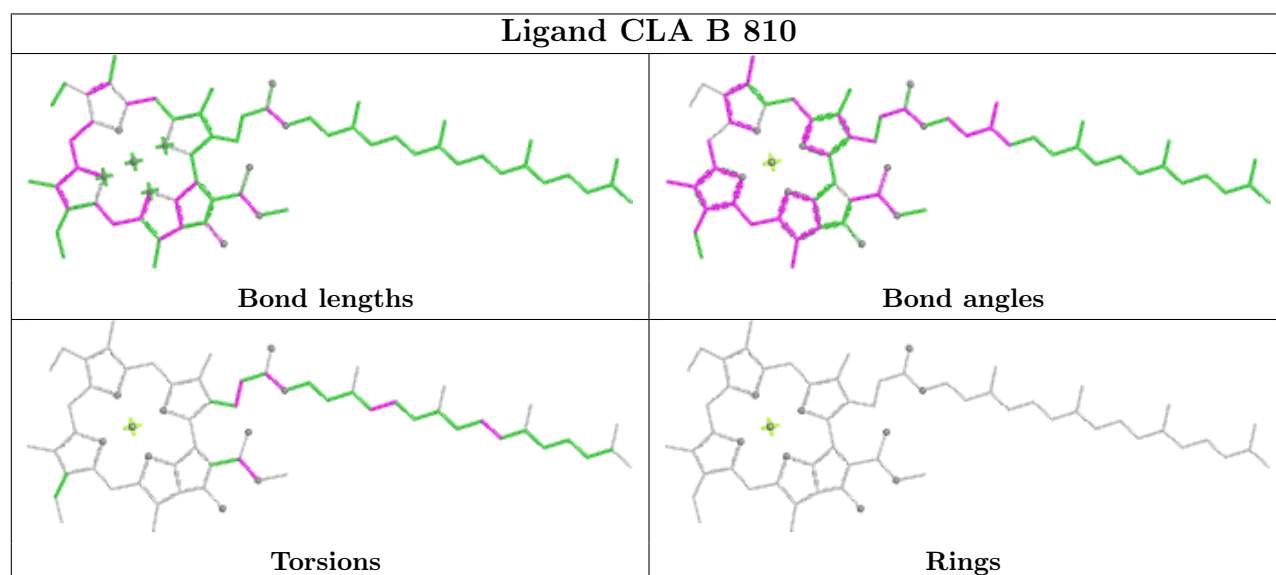
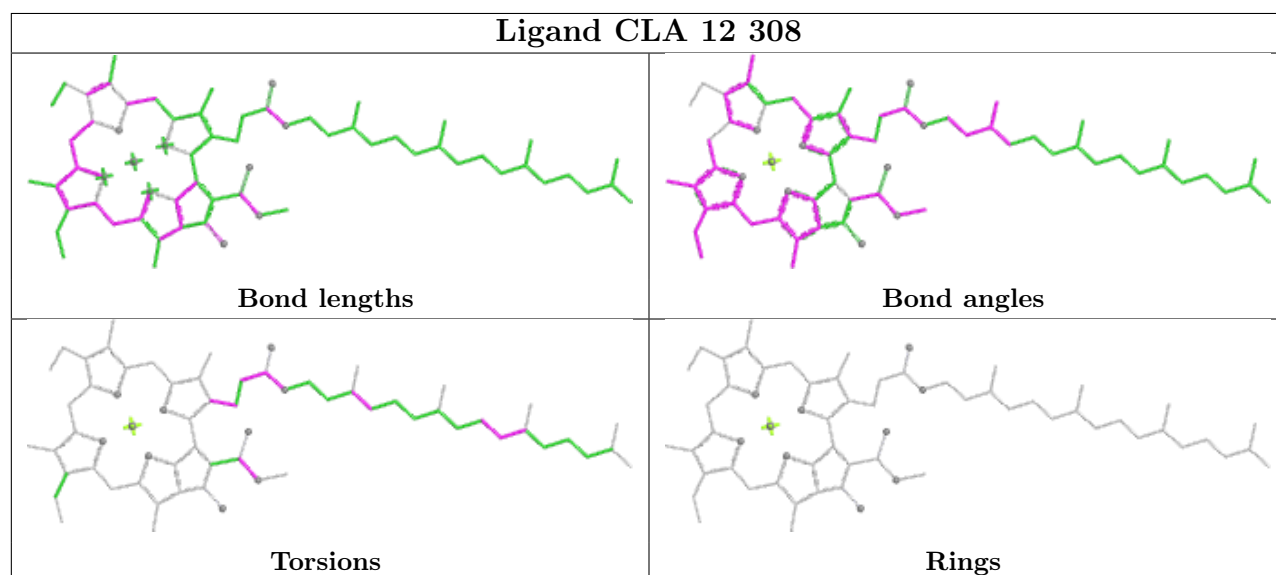
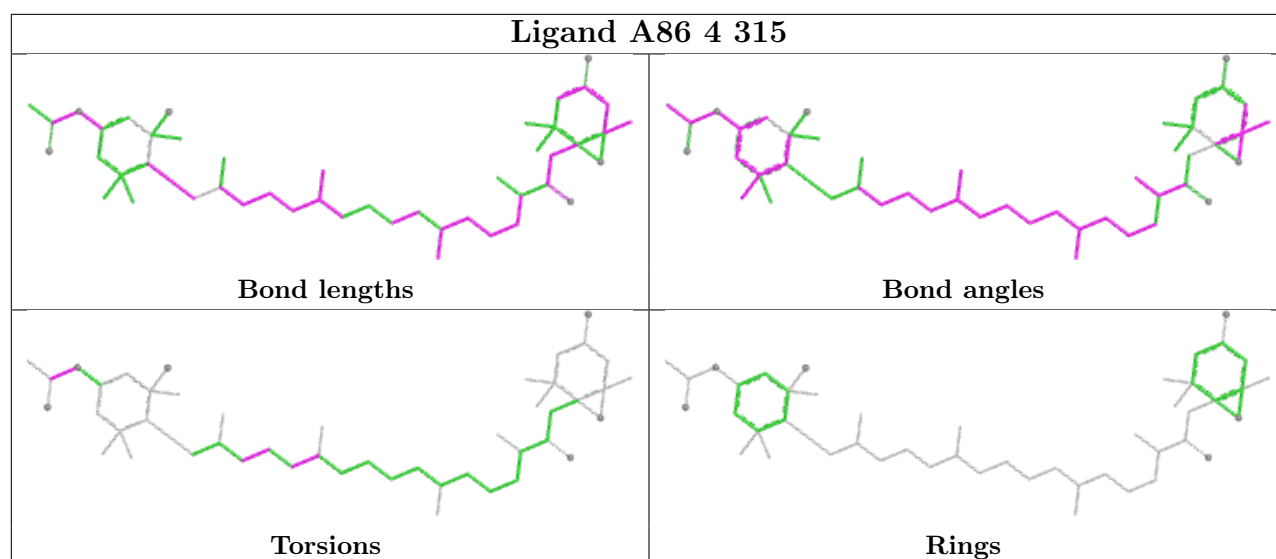


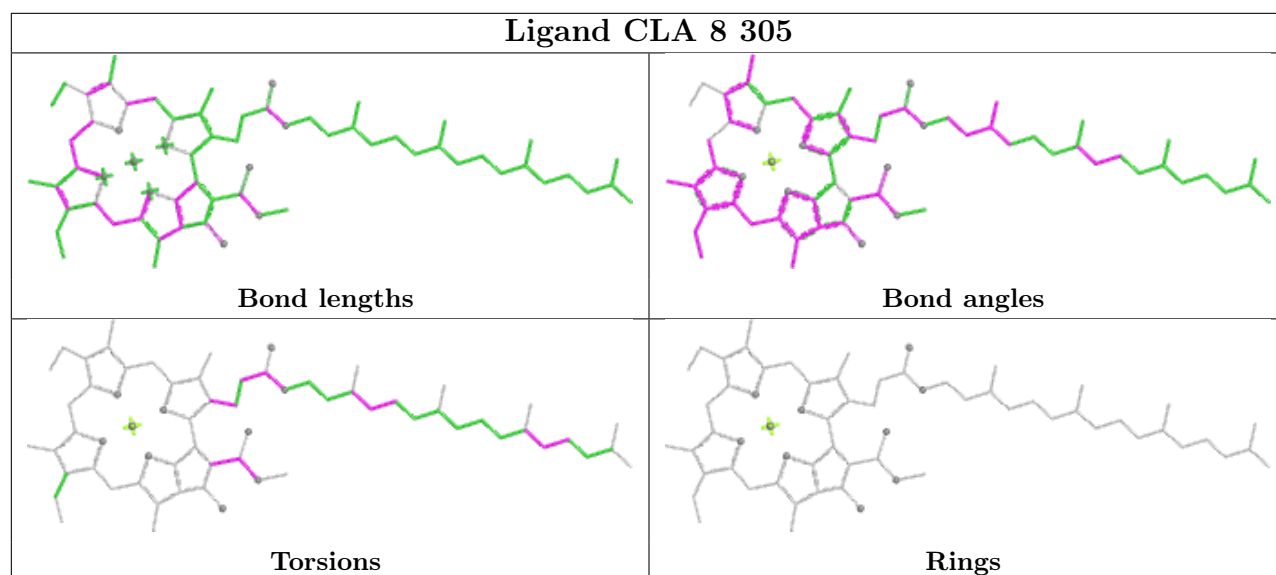
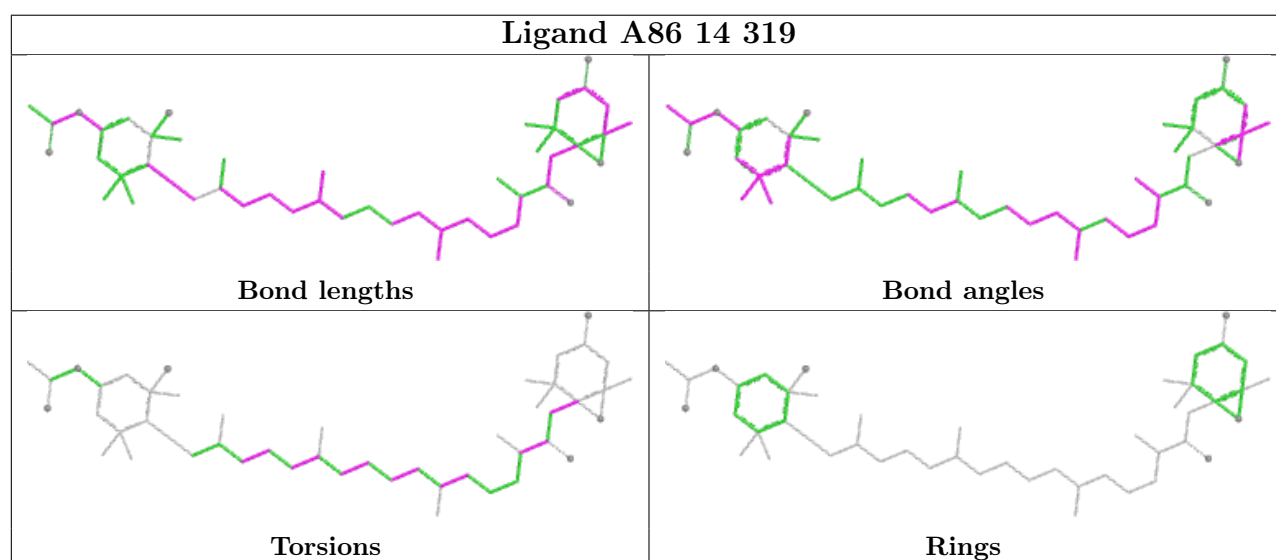
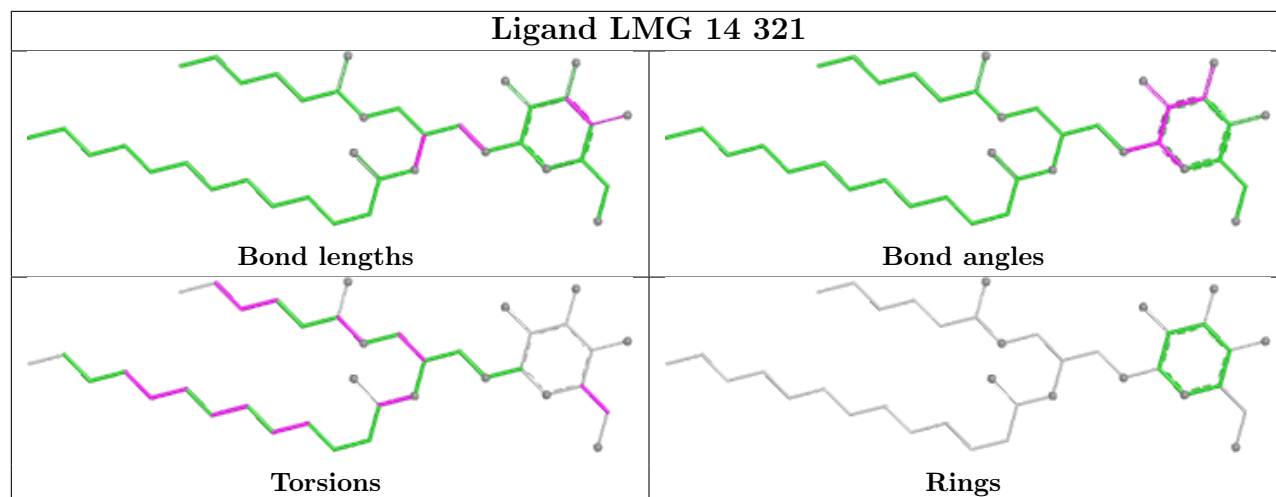


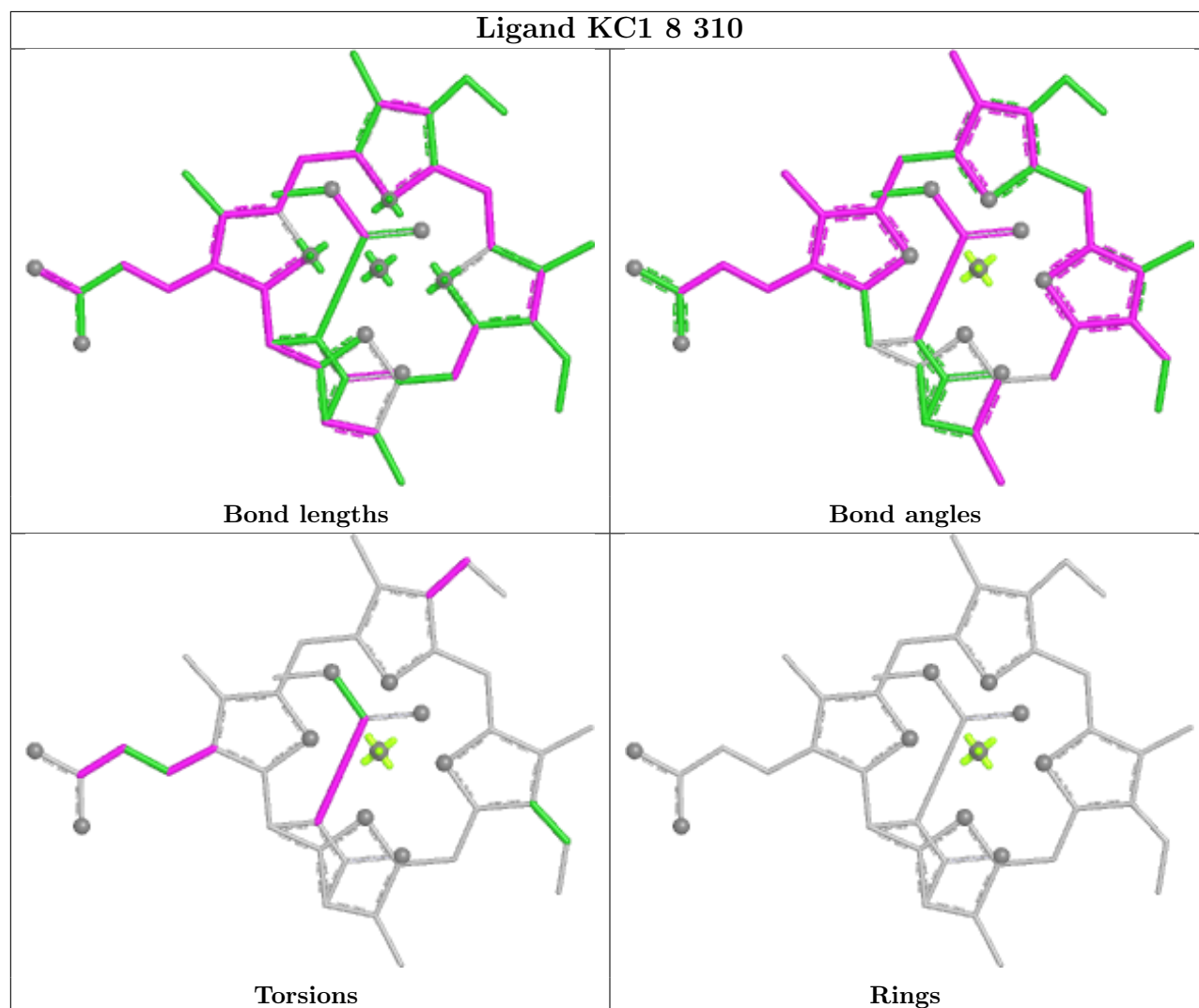
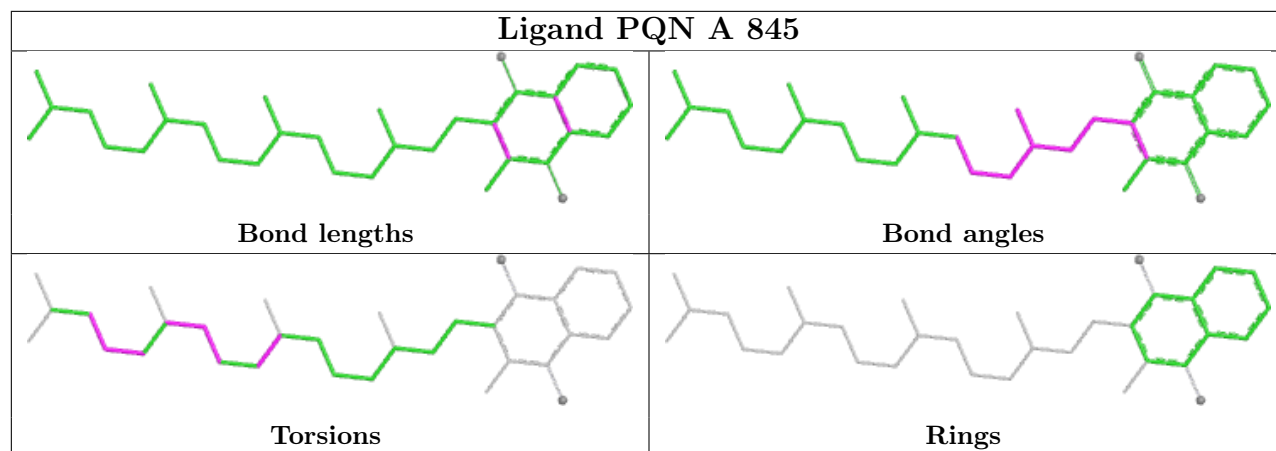


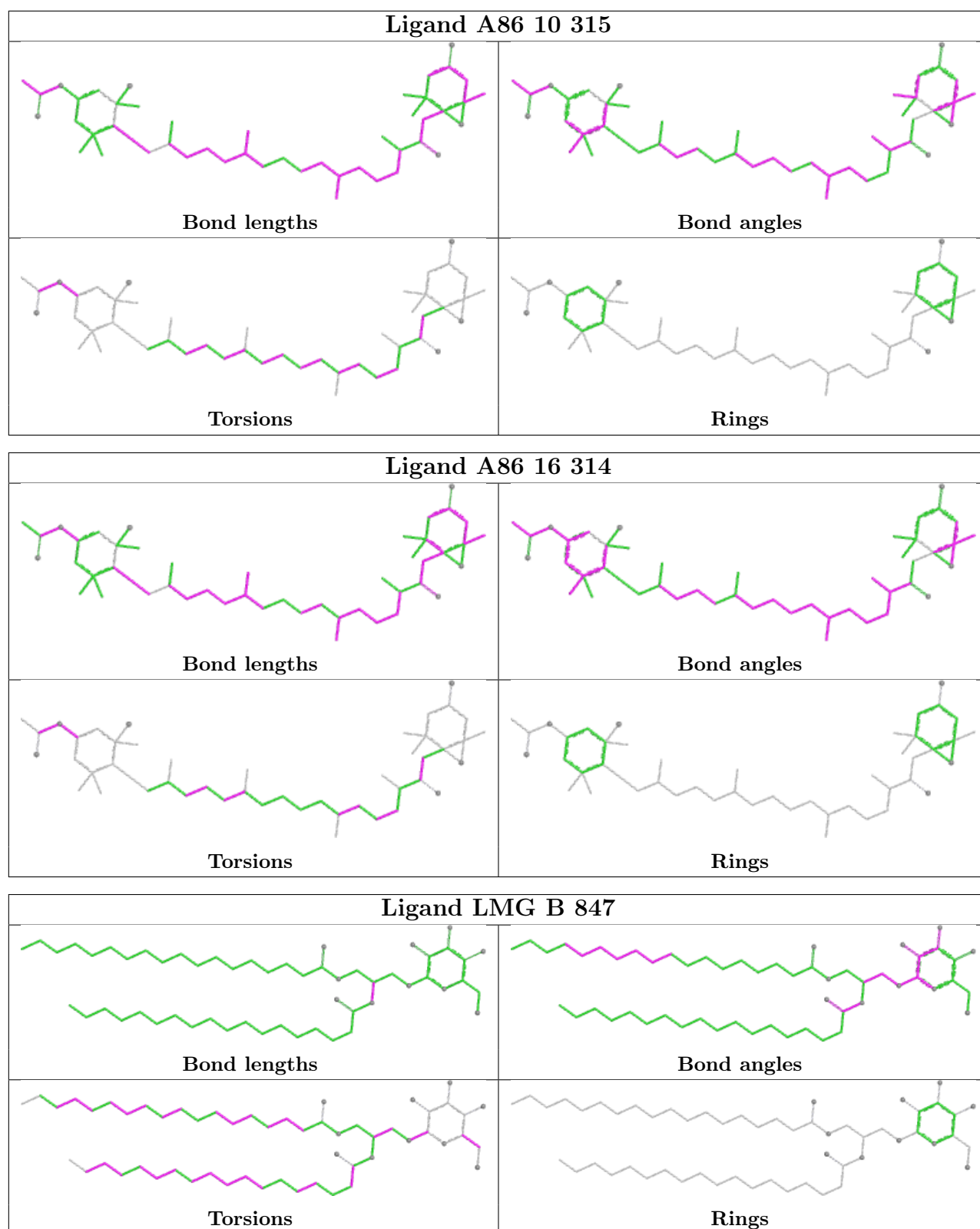


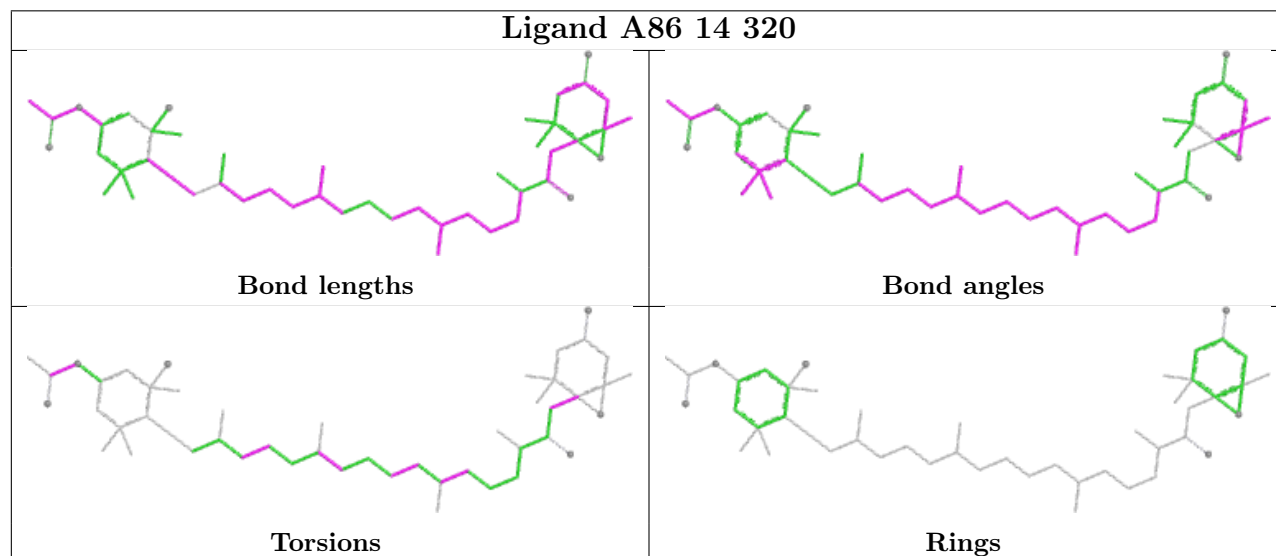
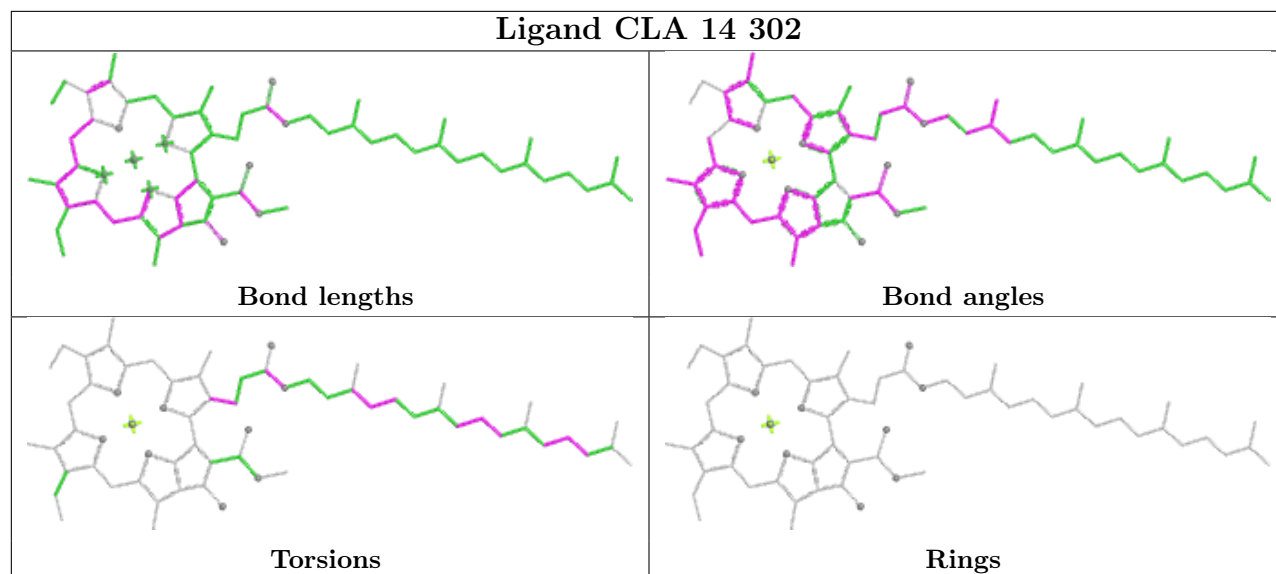


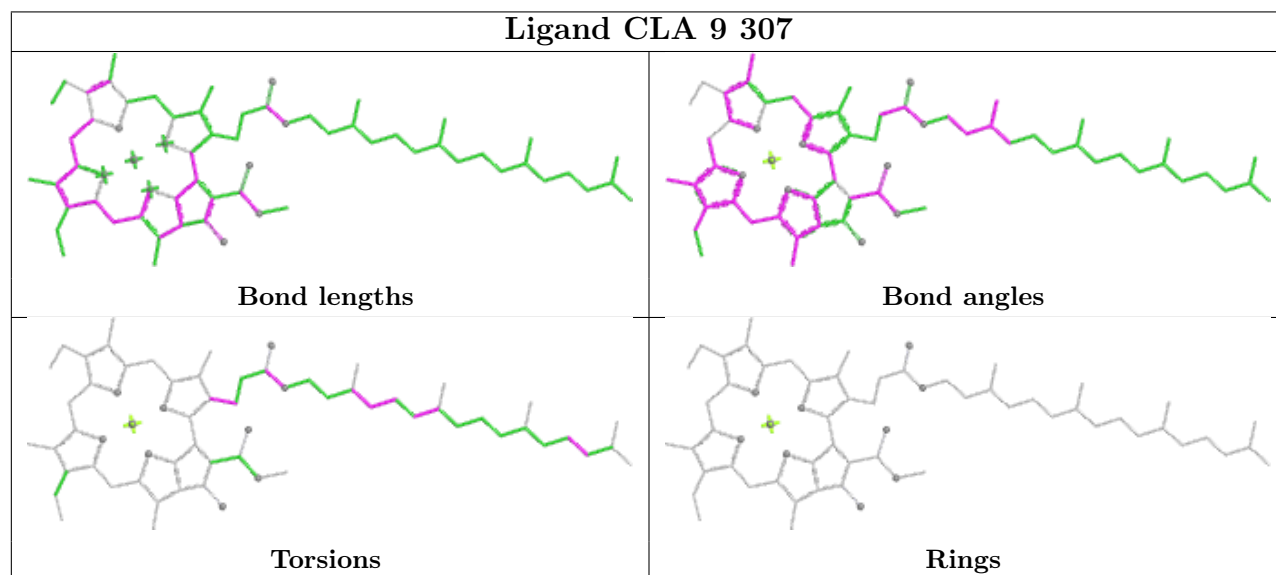
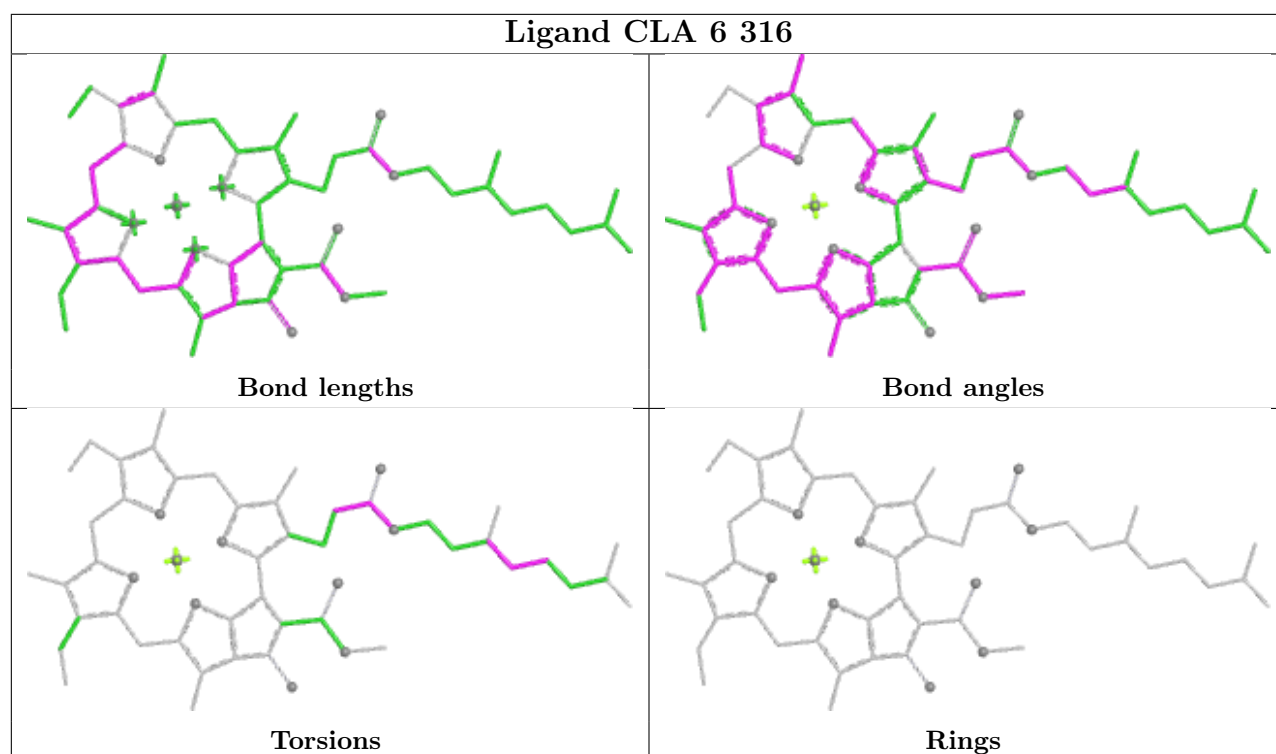


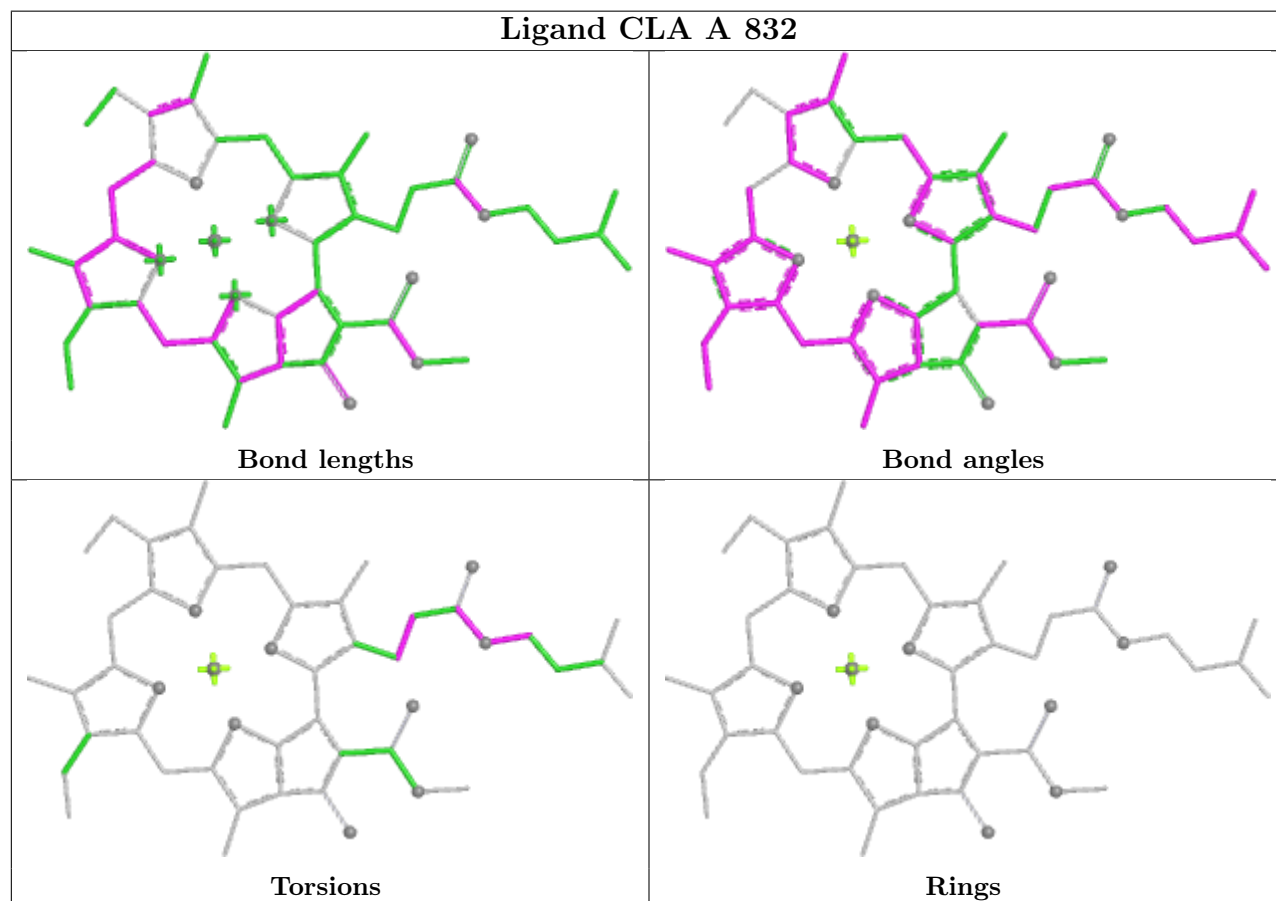
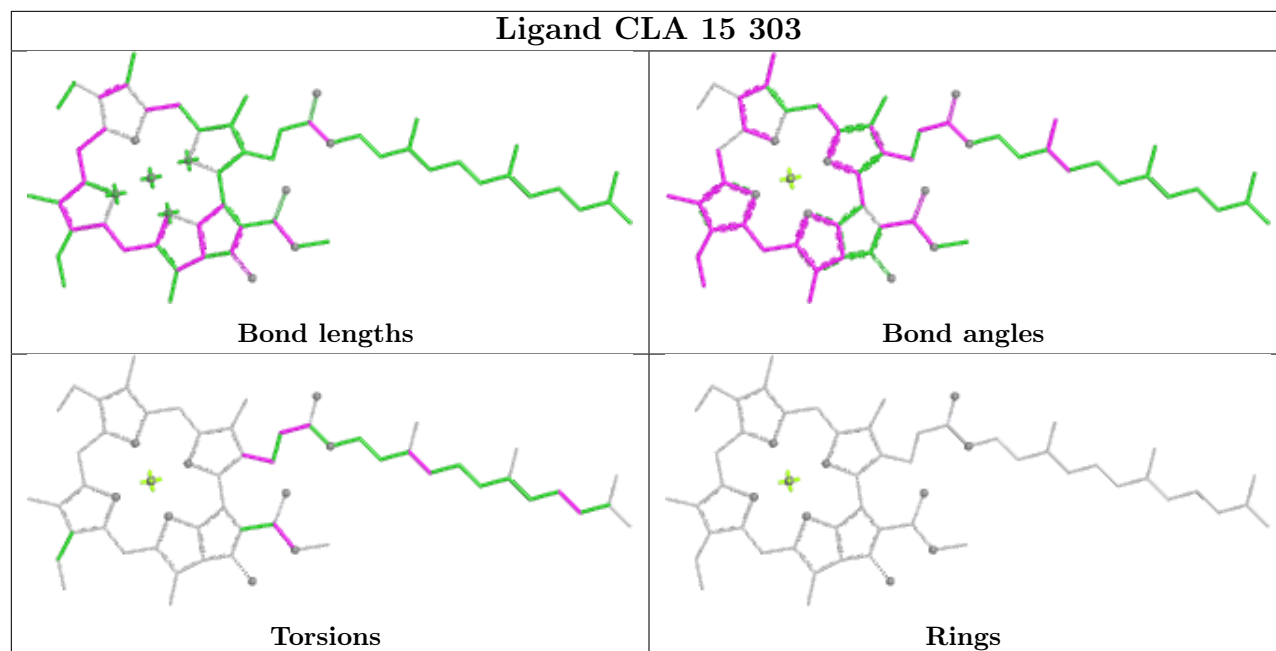


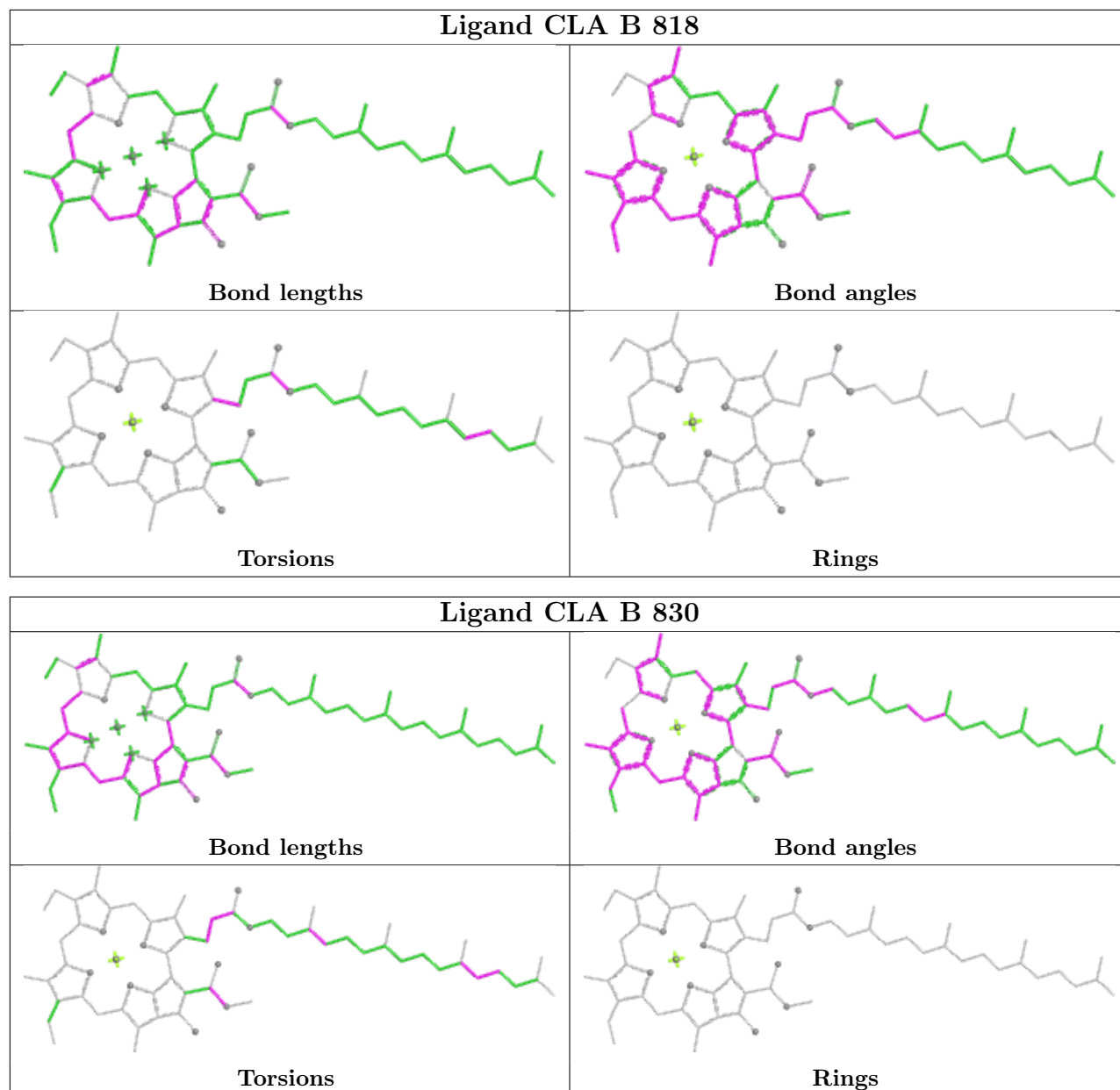


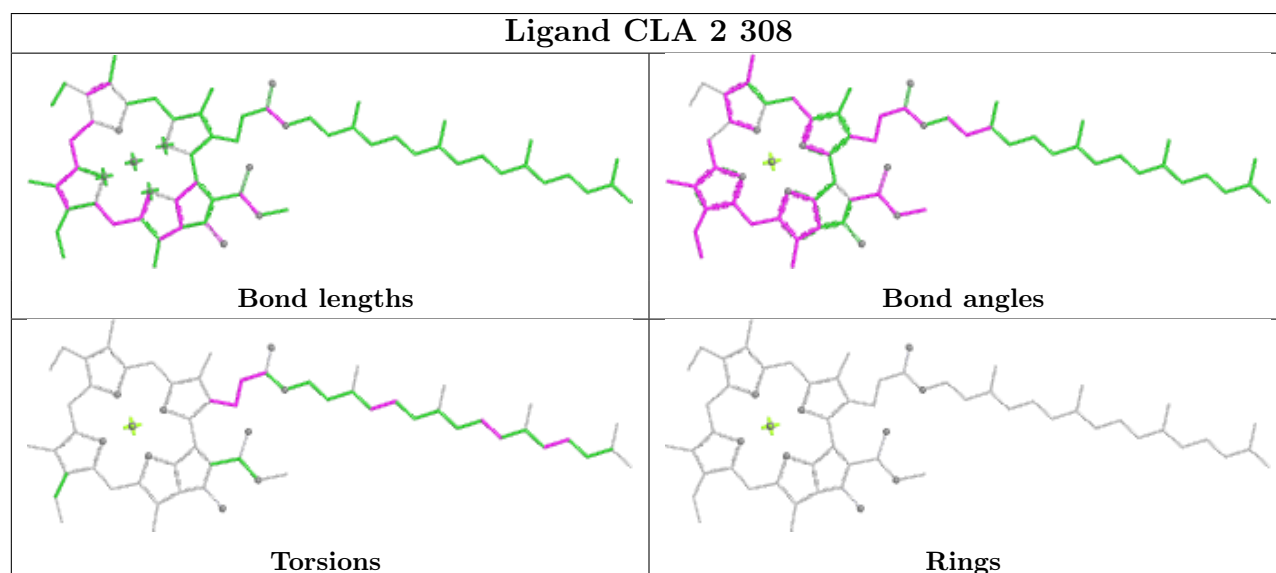
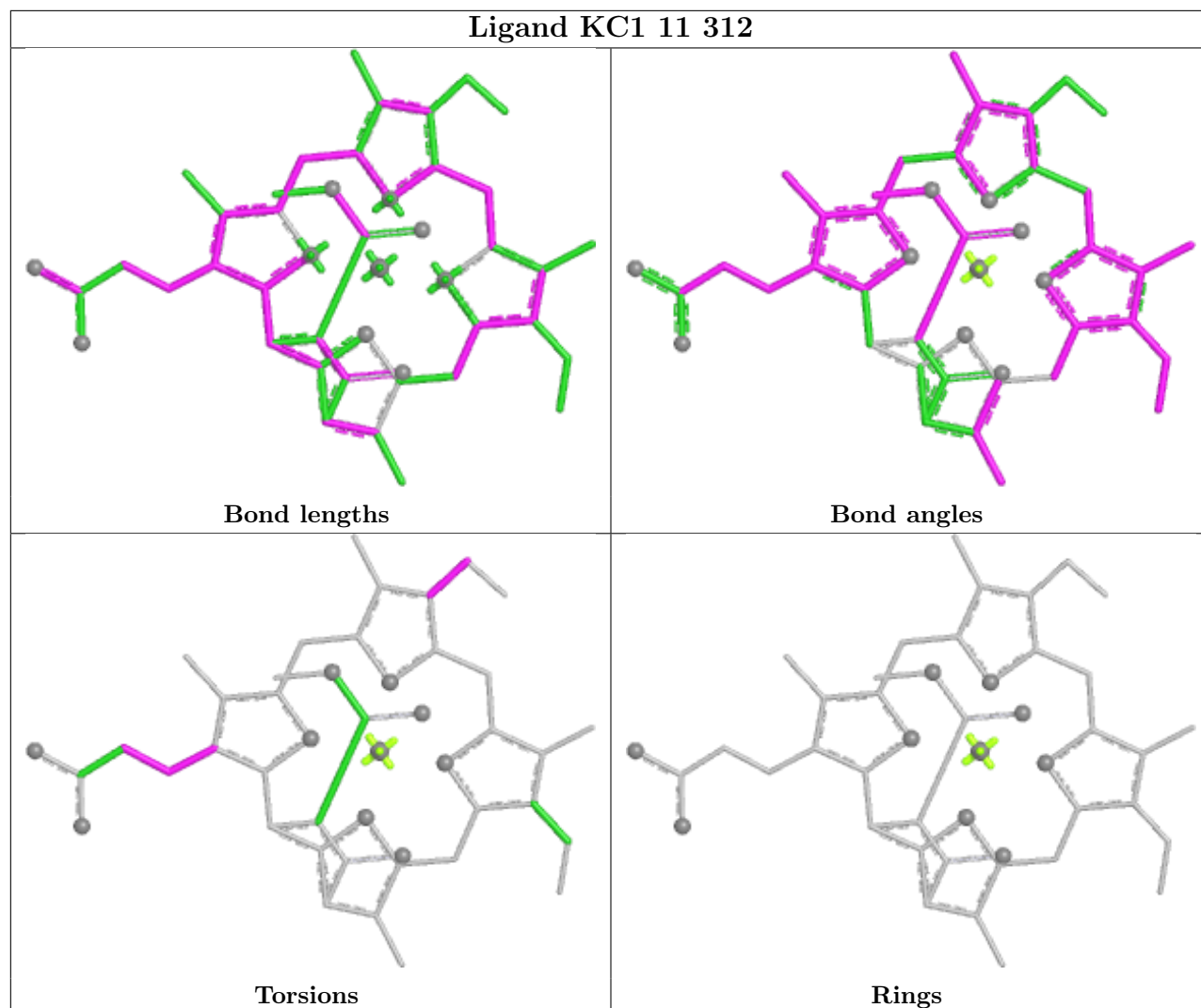


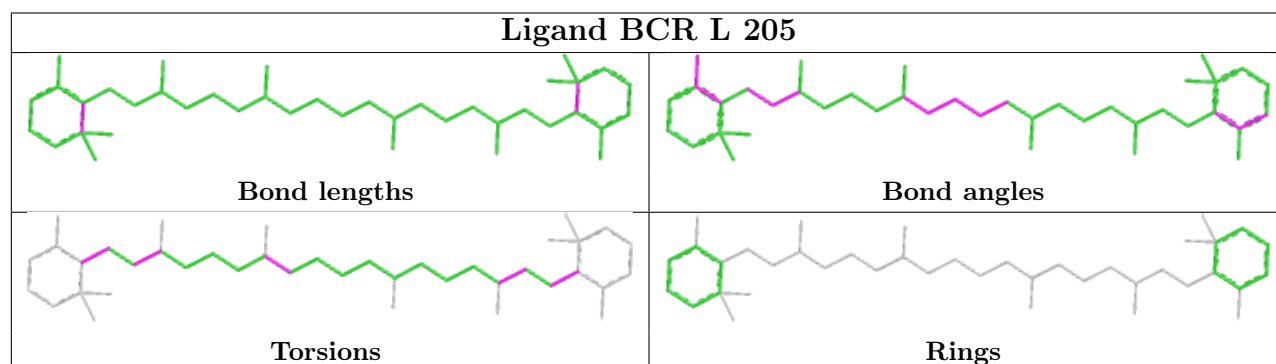
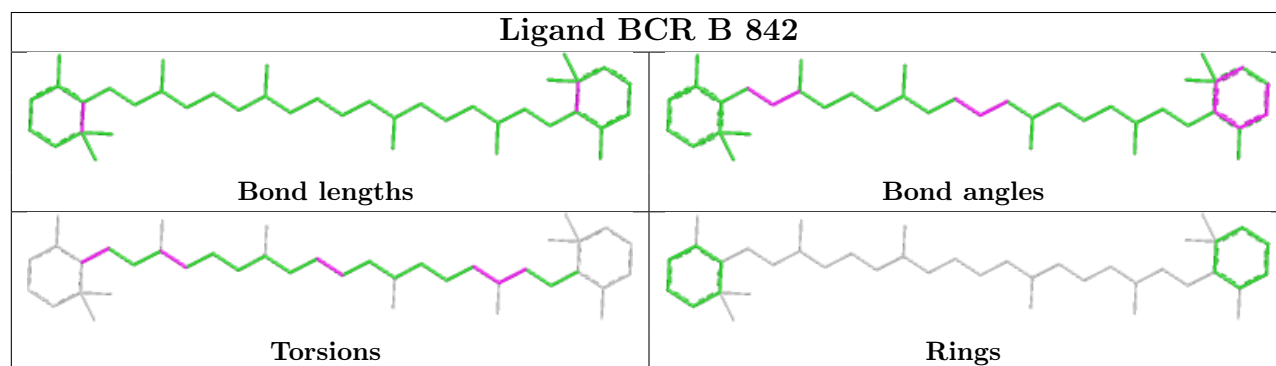
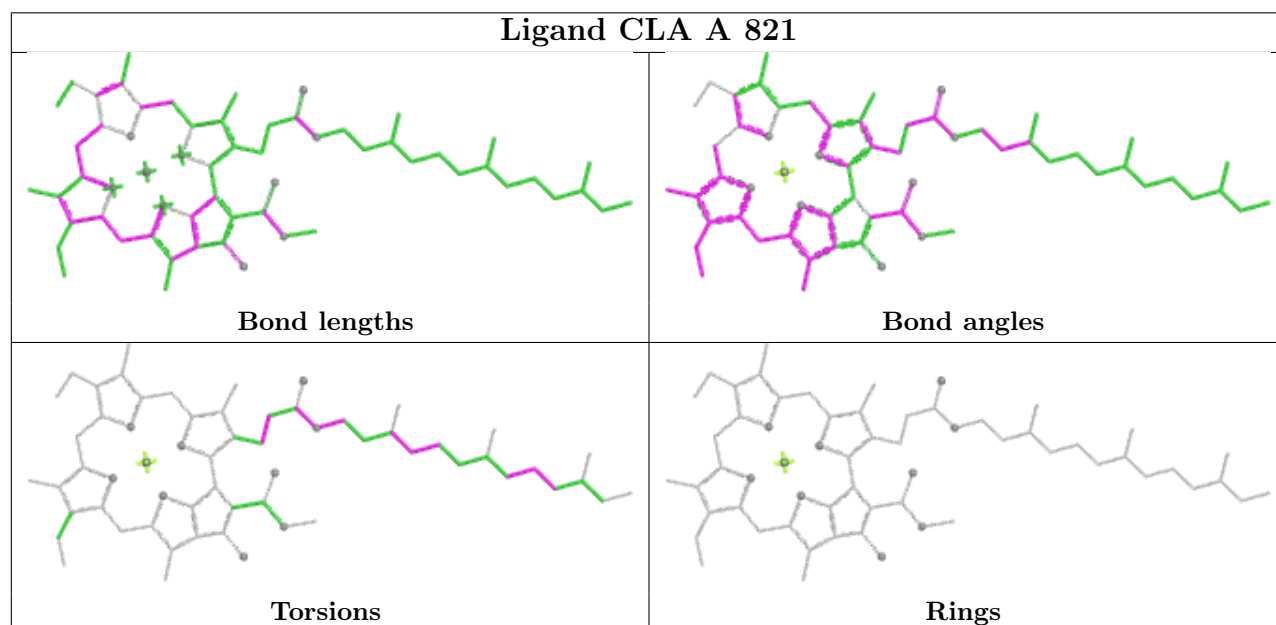
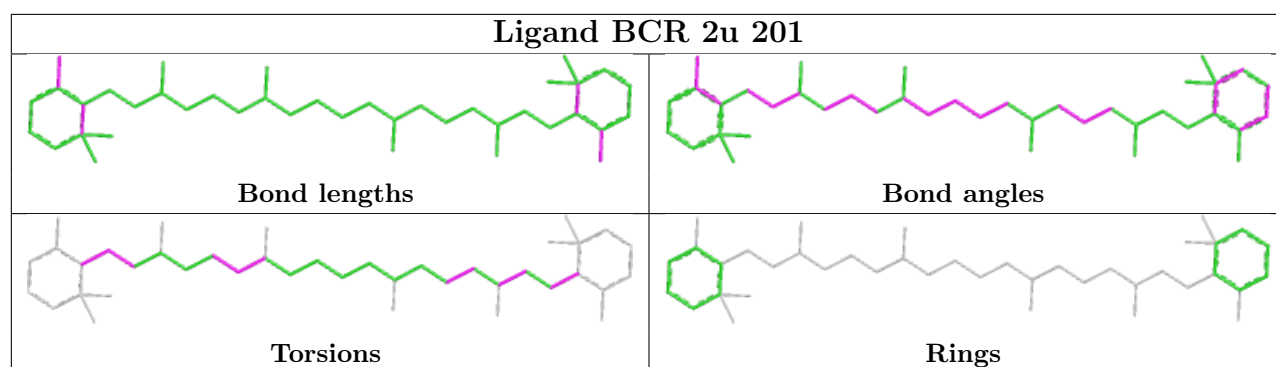


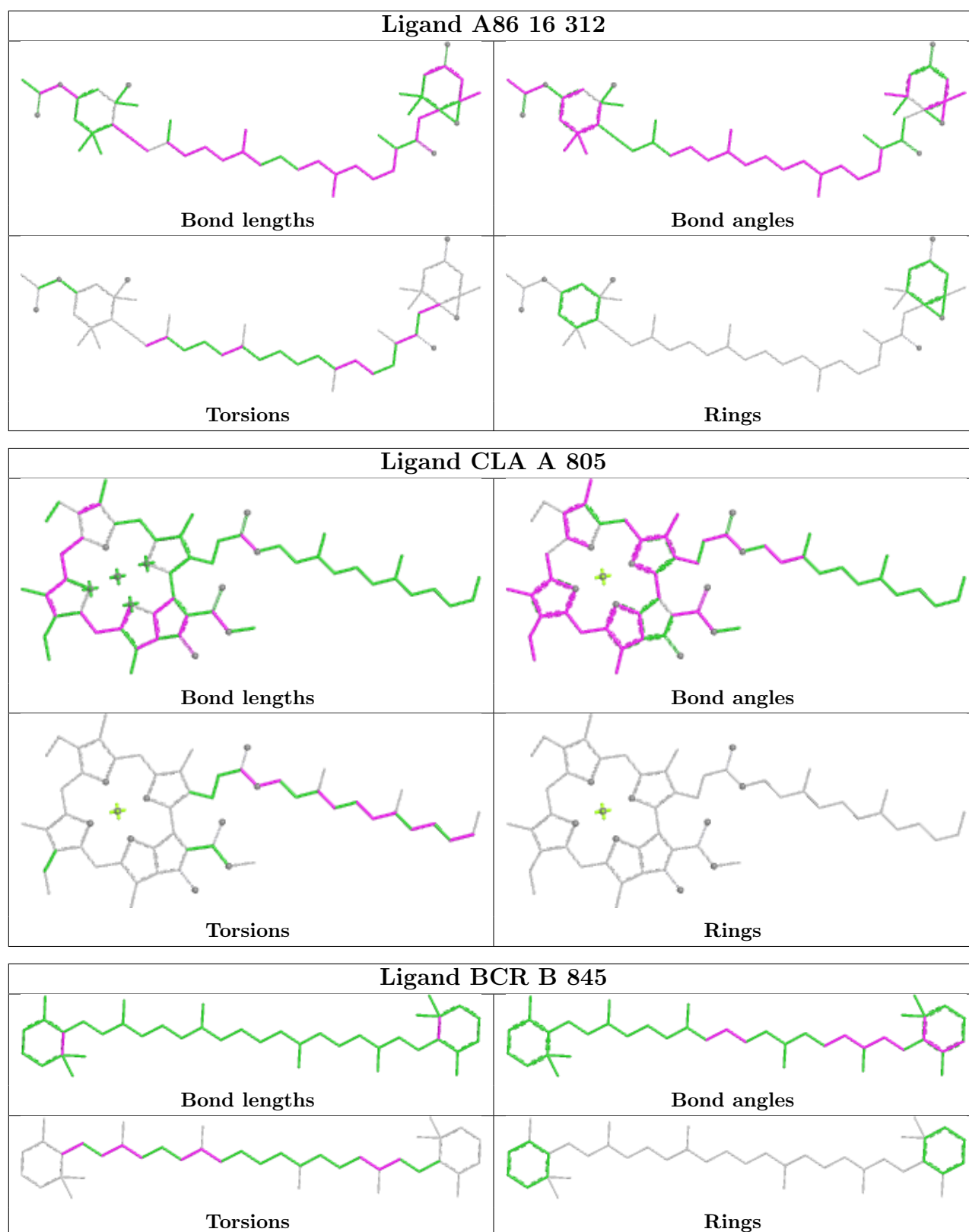


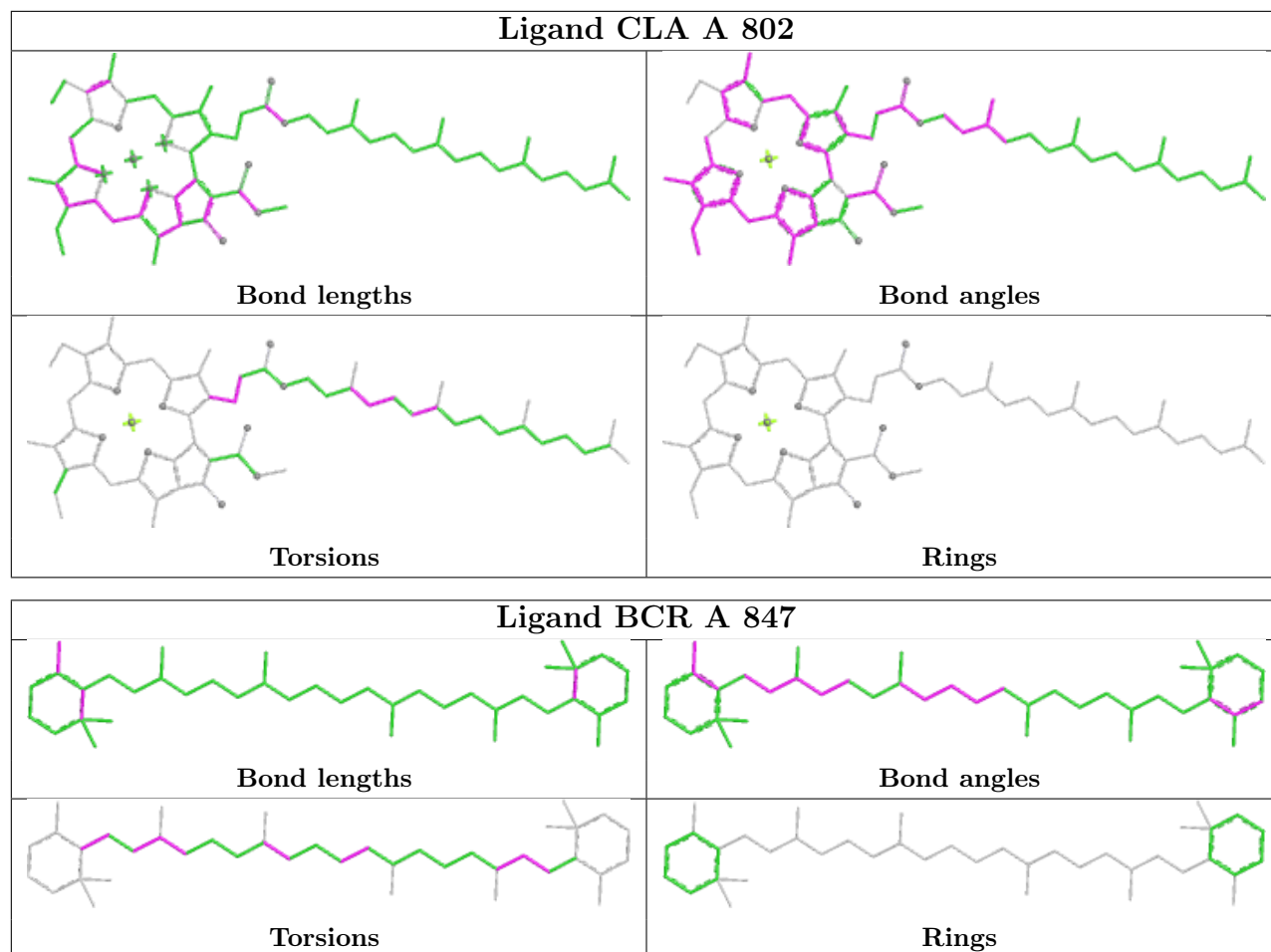


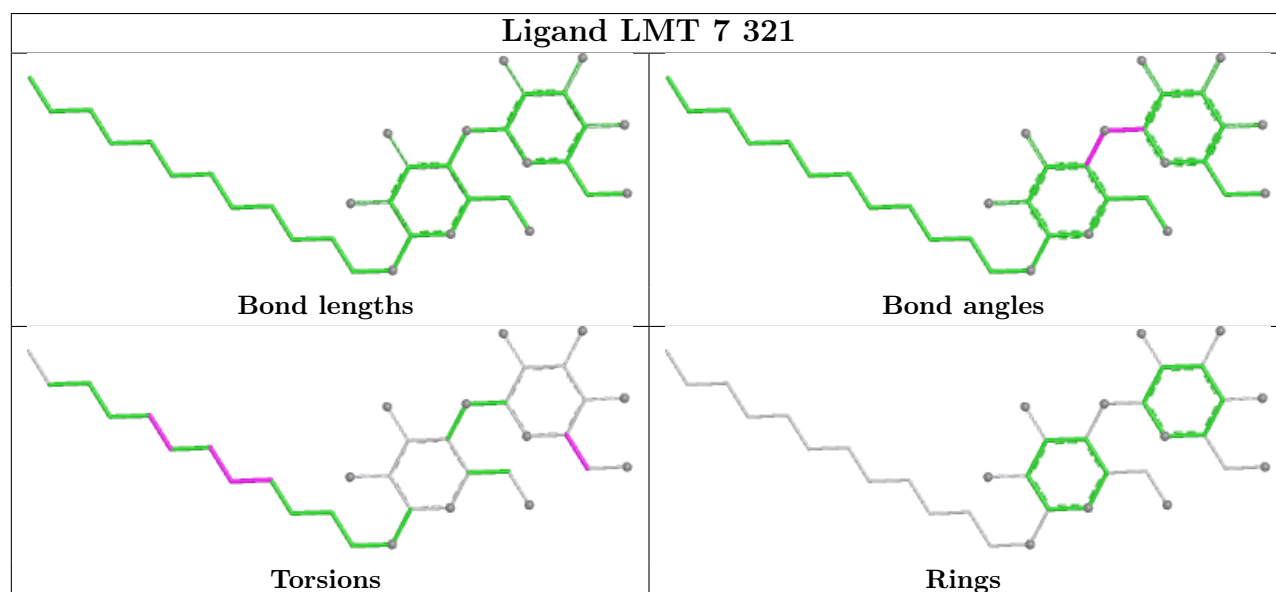
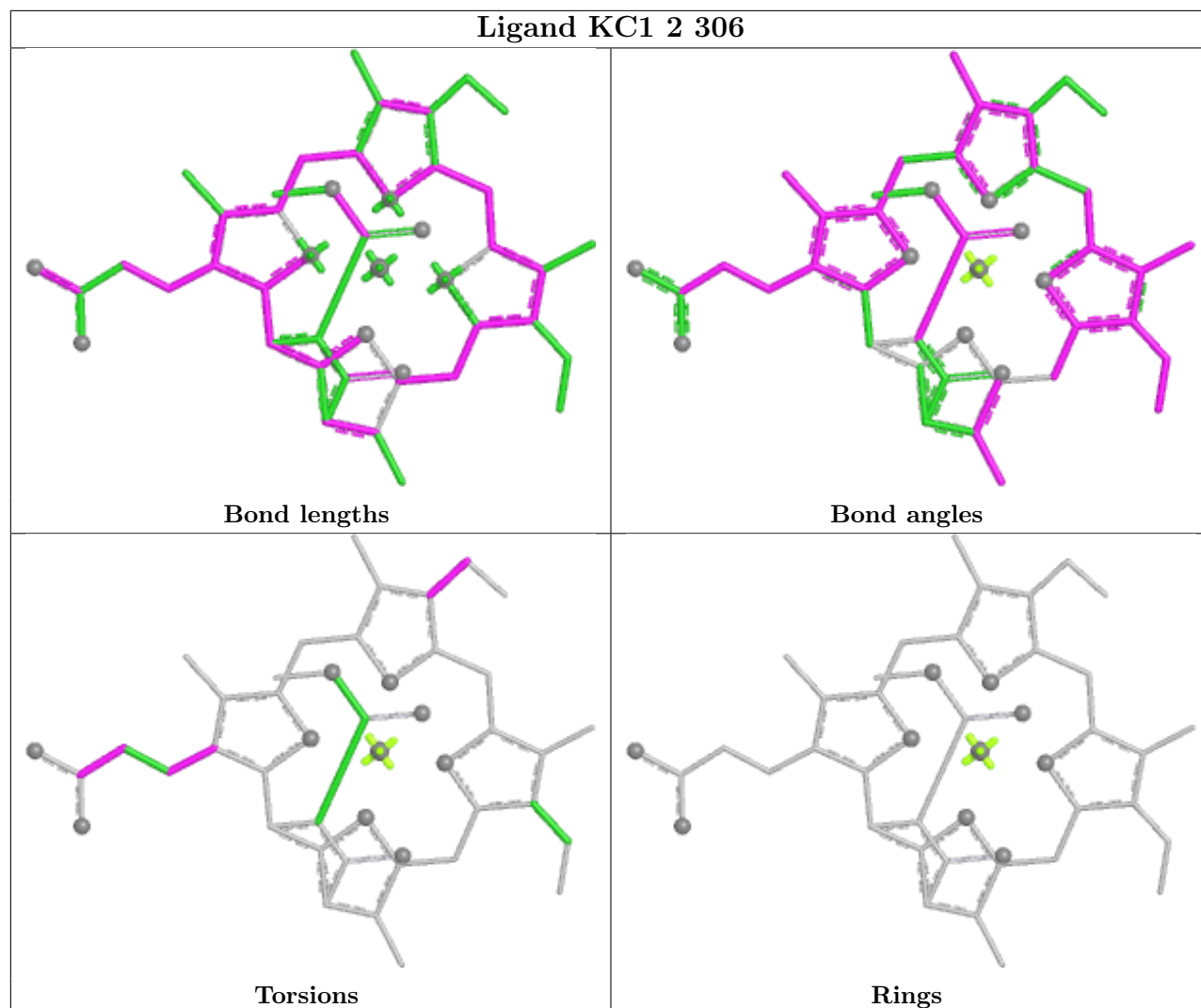


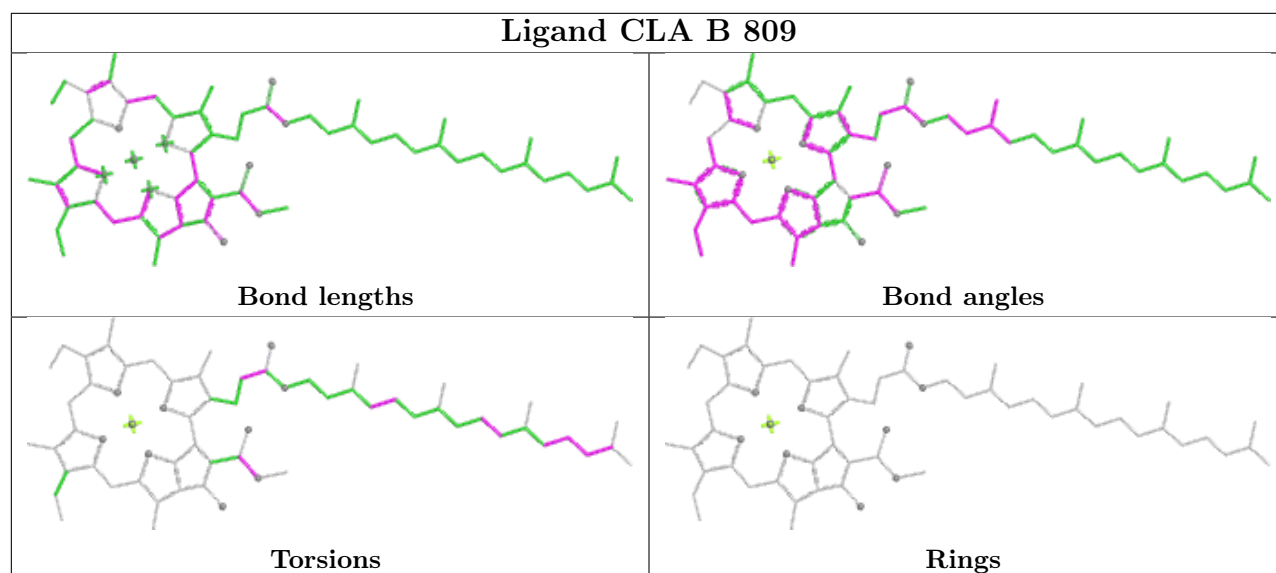
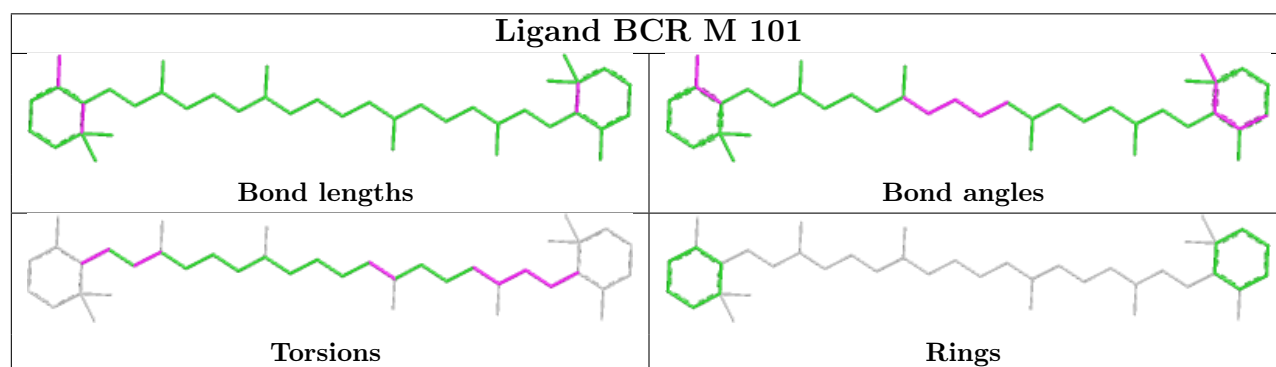
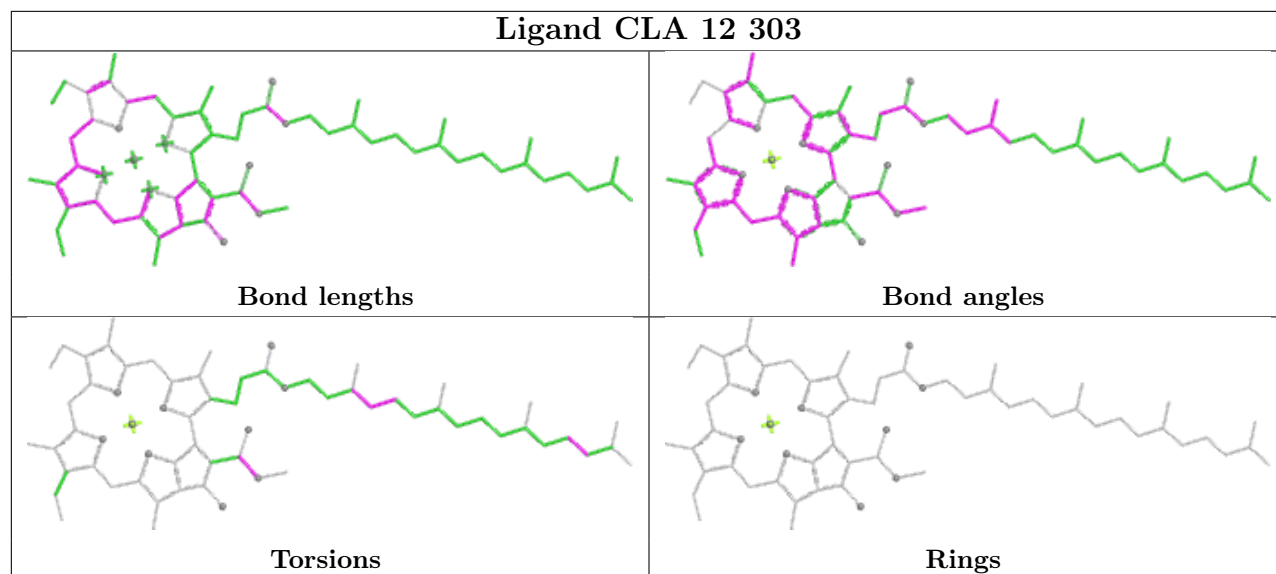


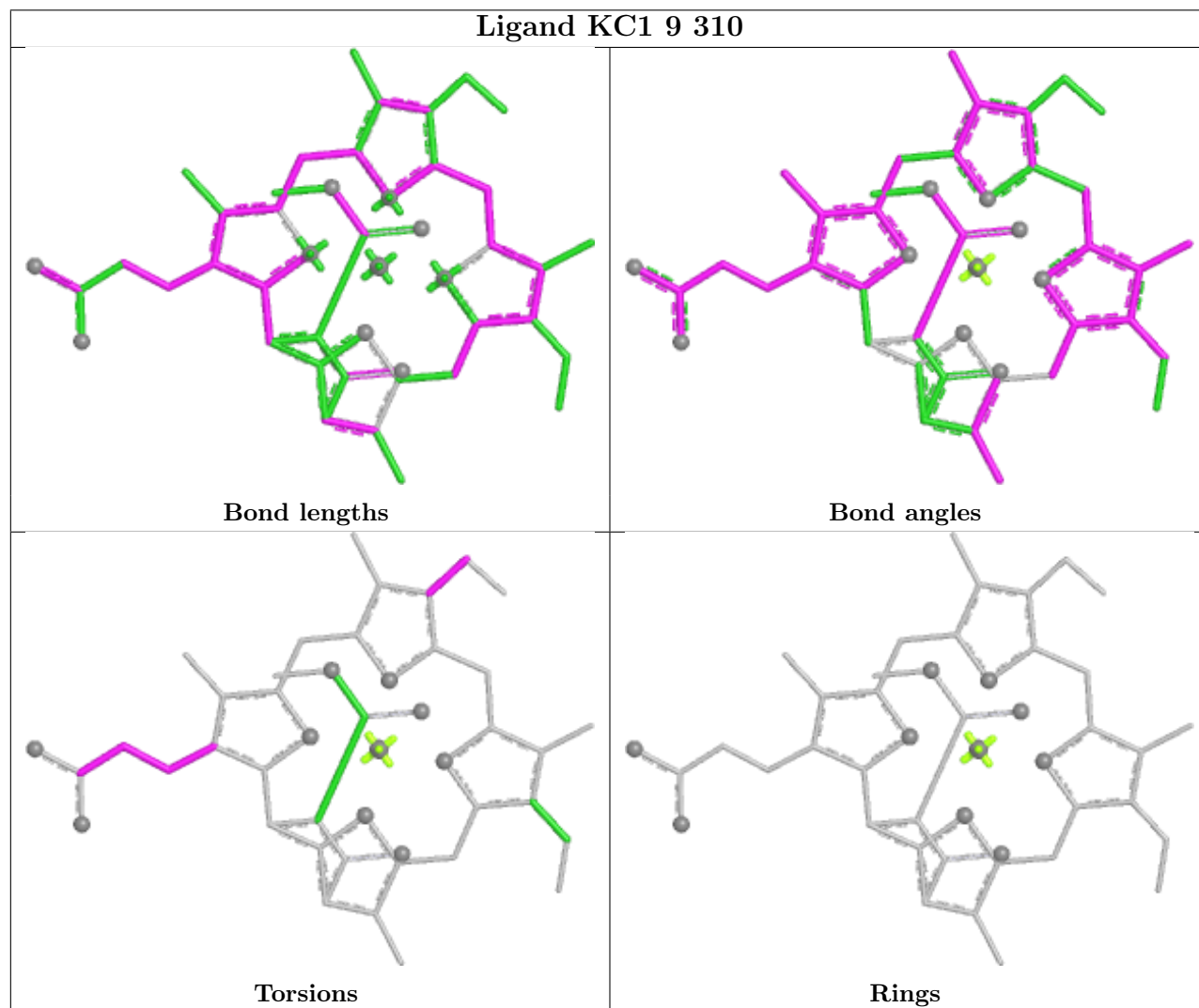
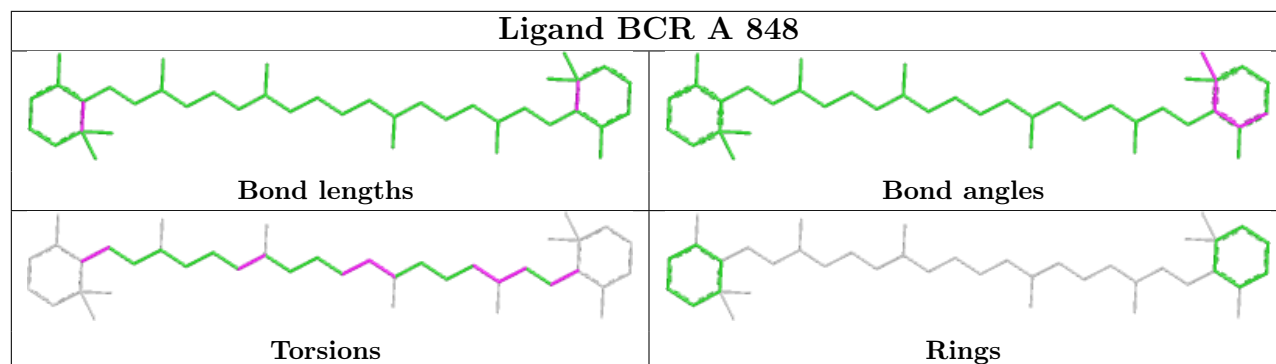


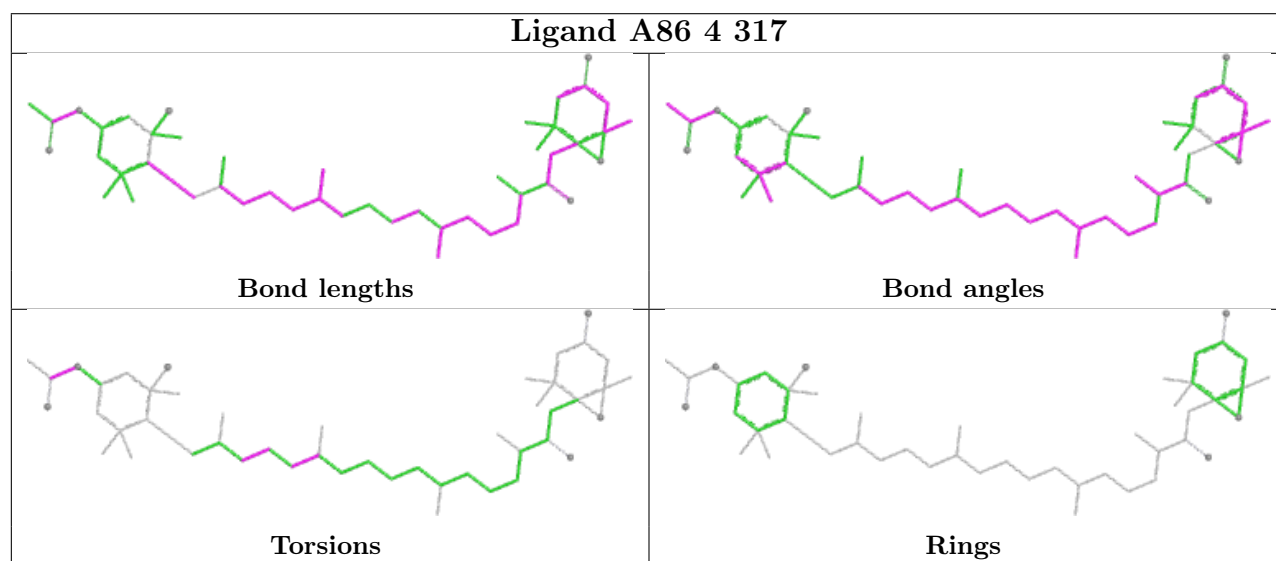
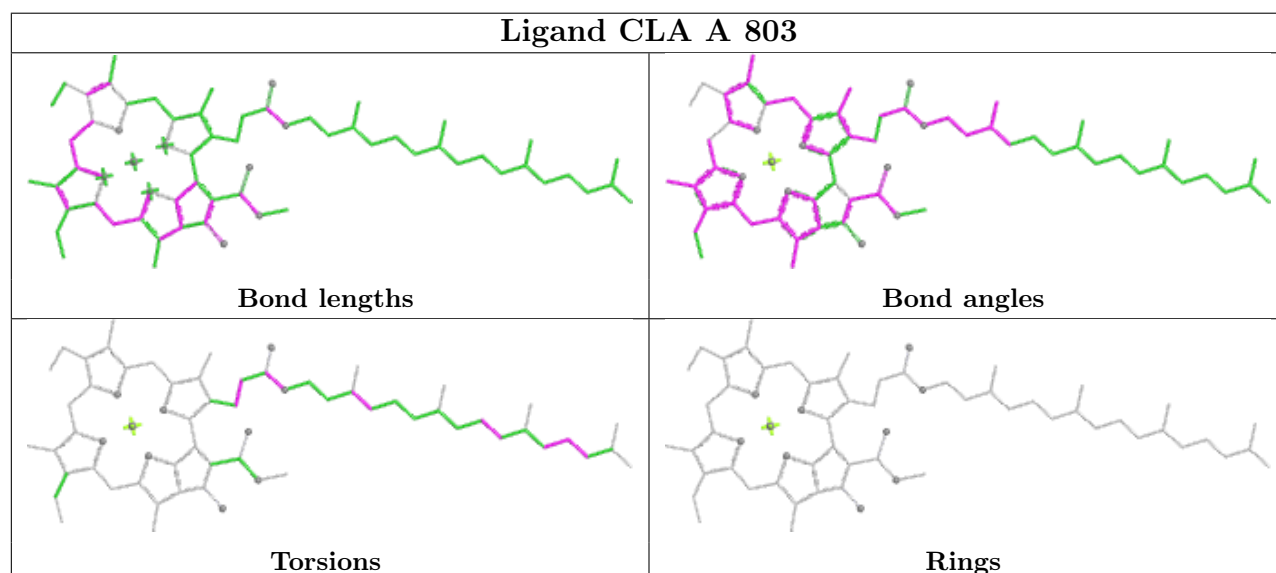
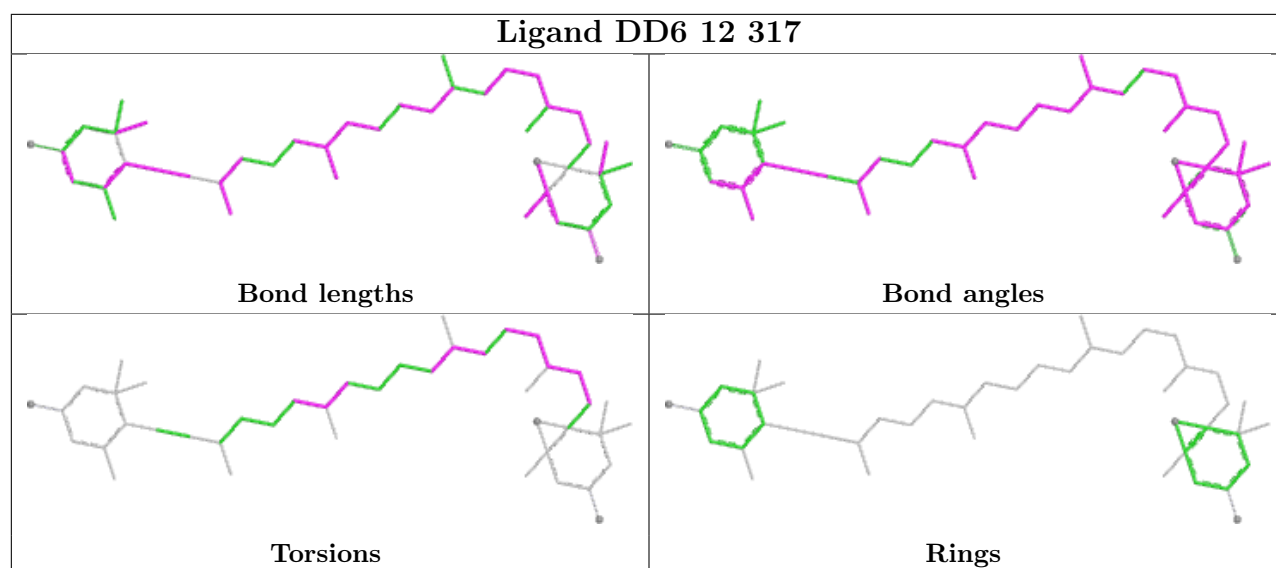


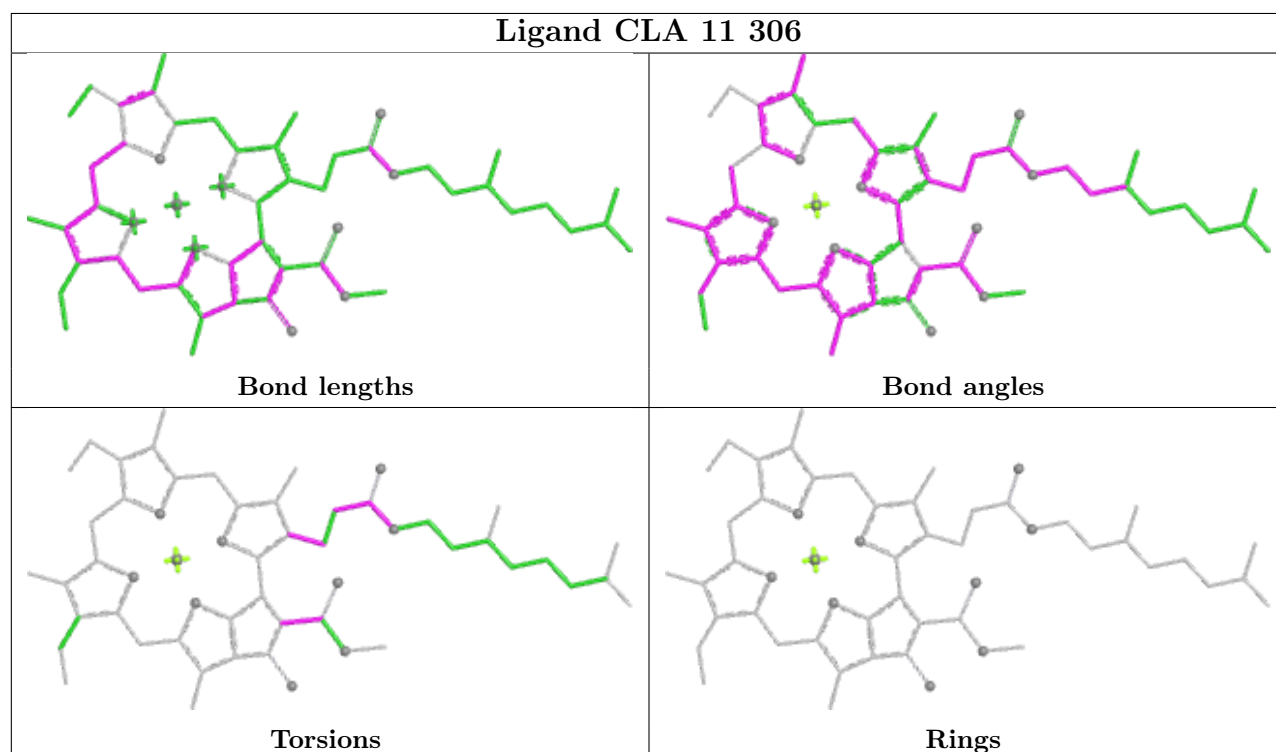
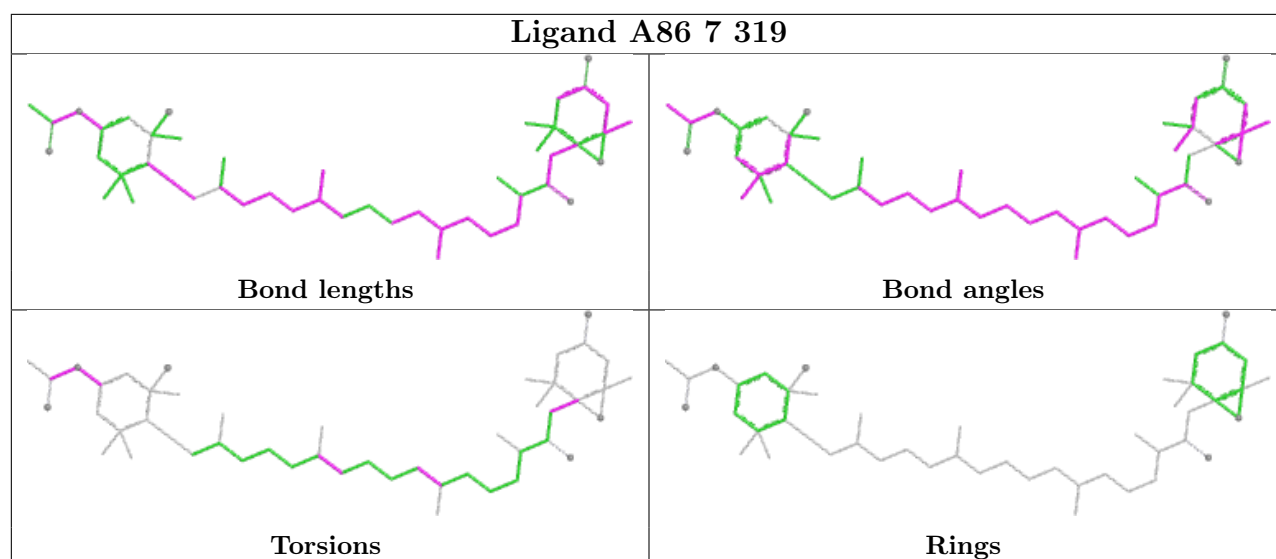


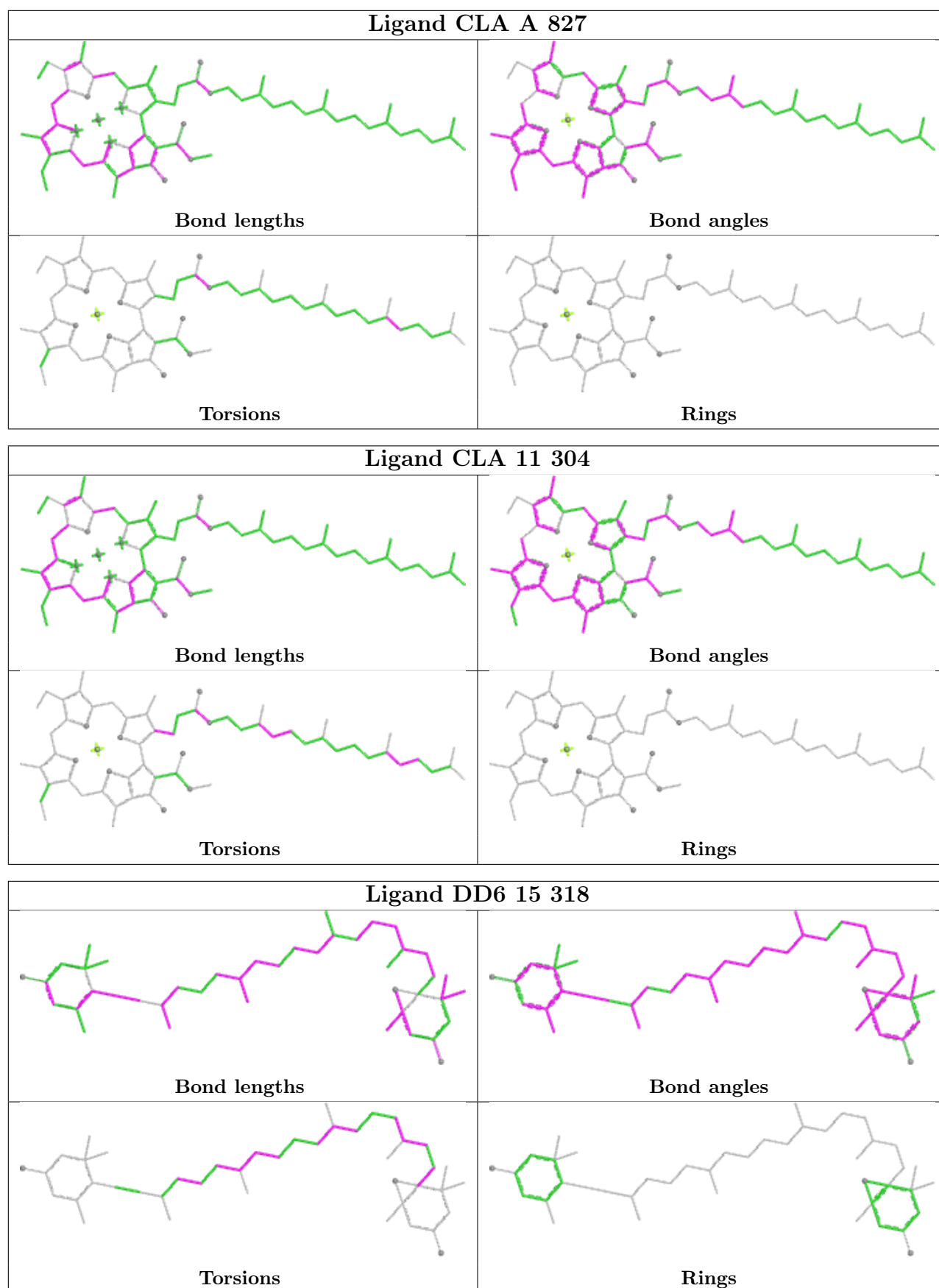


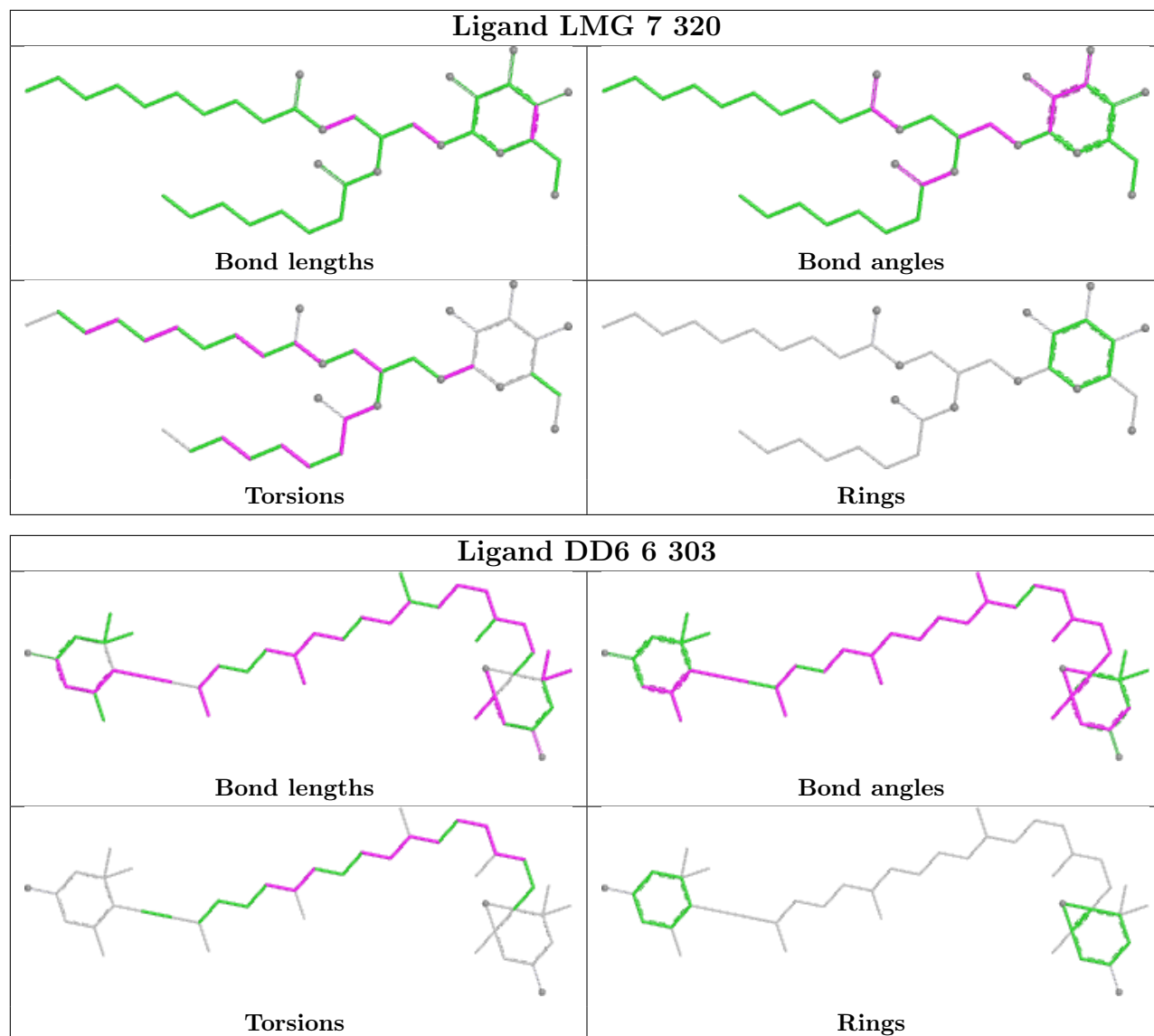


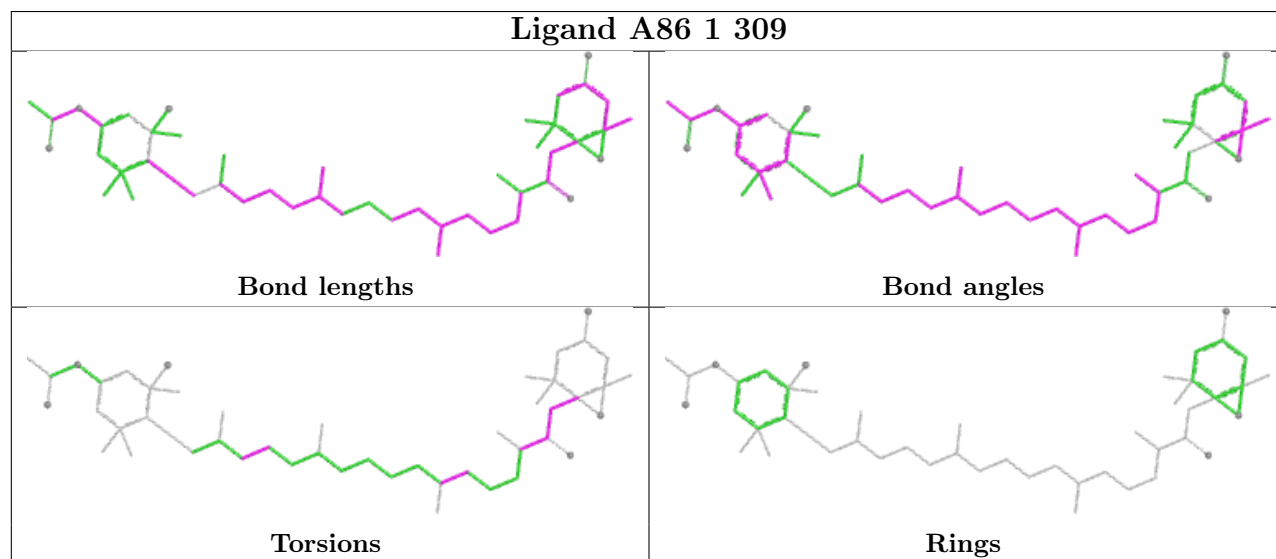
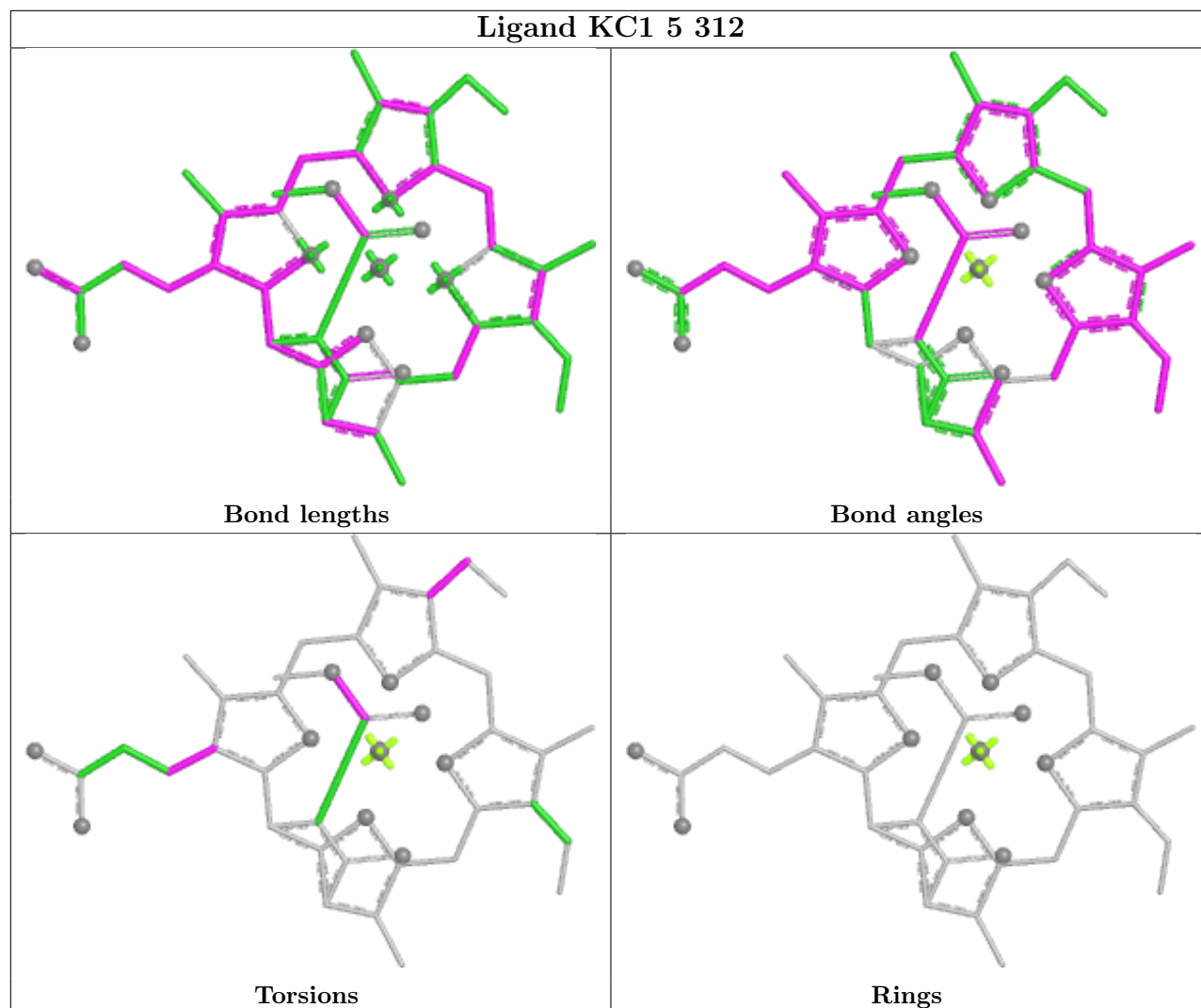


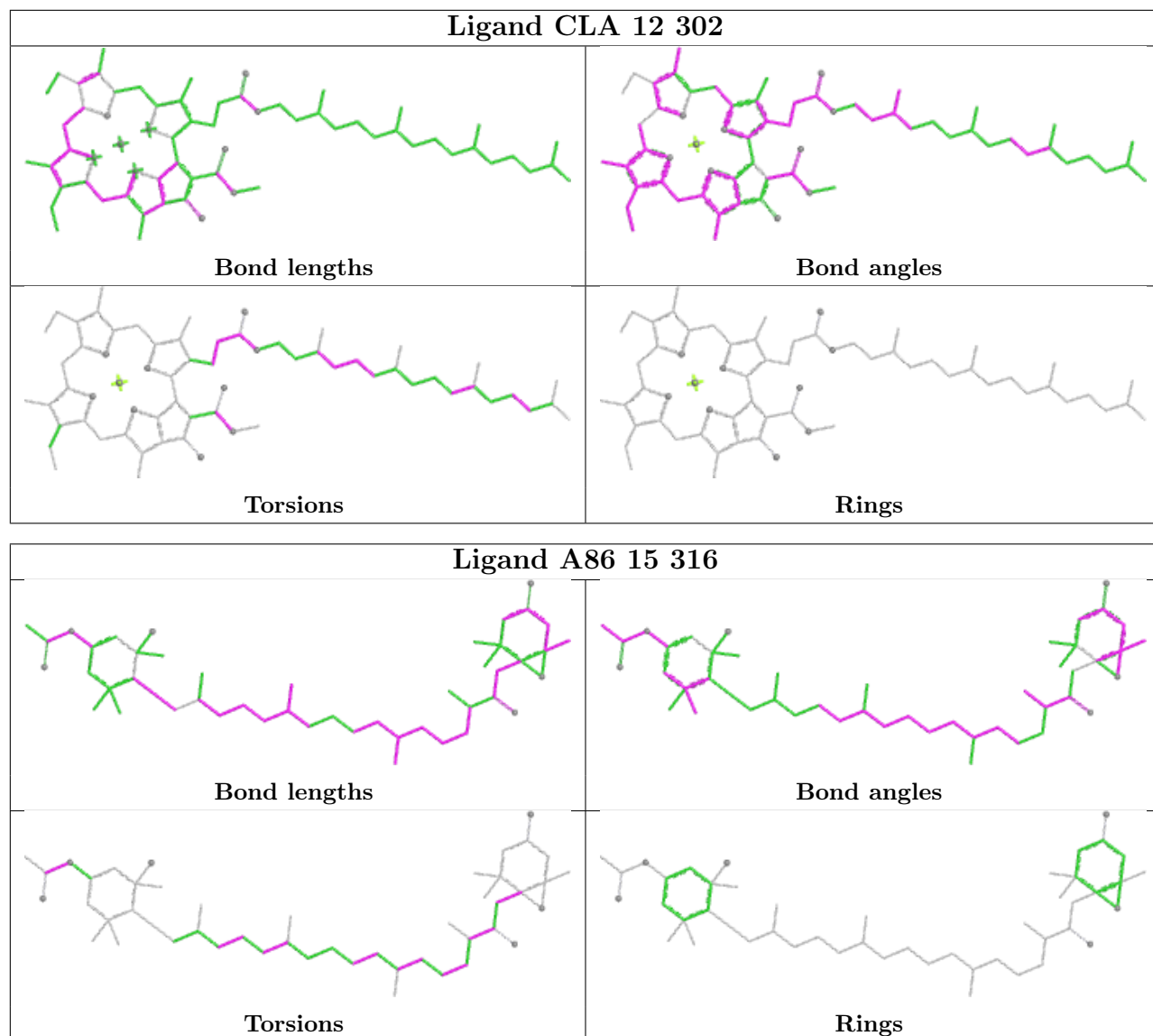


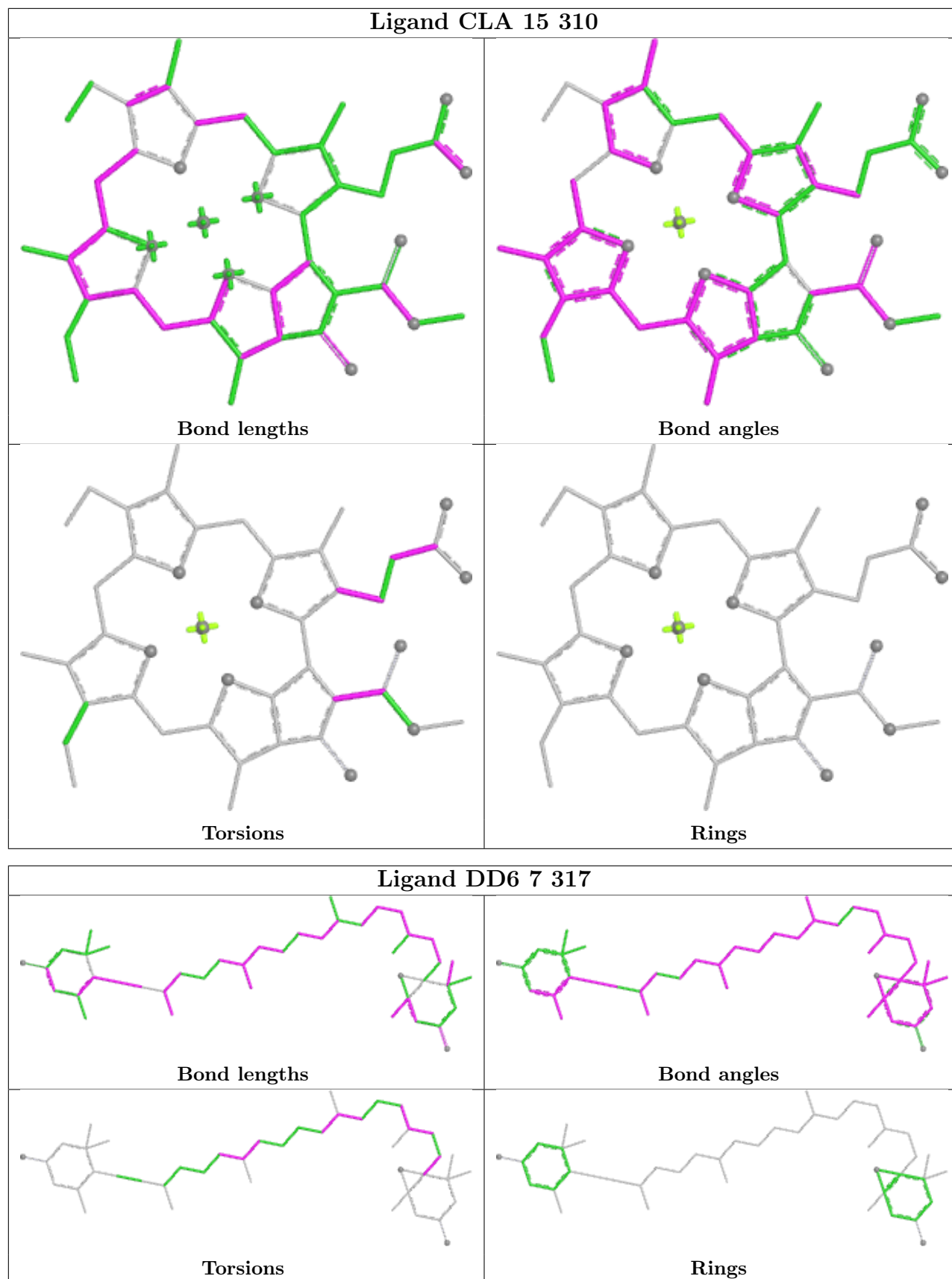












5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

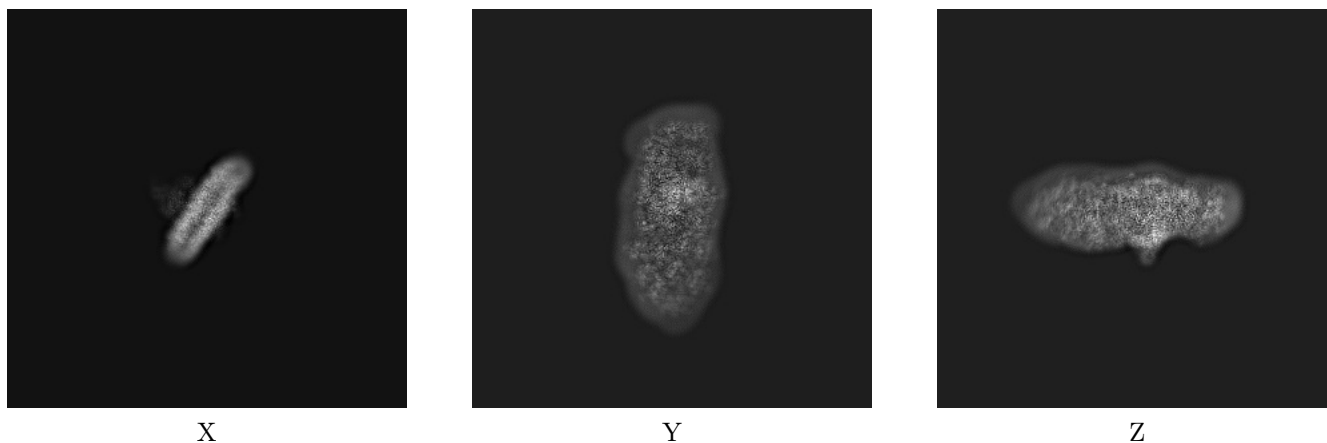
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-0835. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections [i](#)

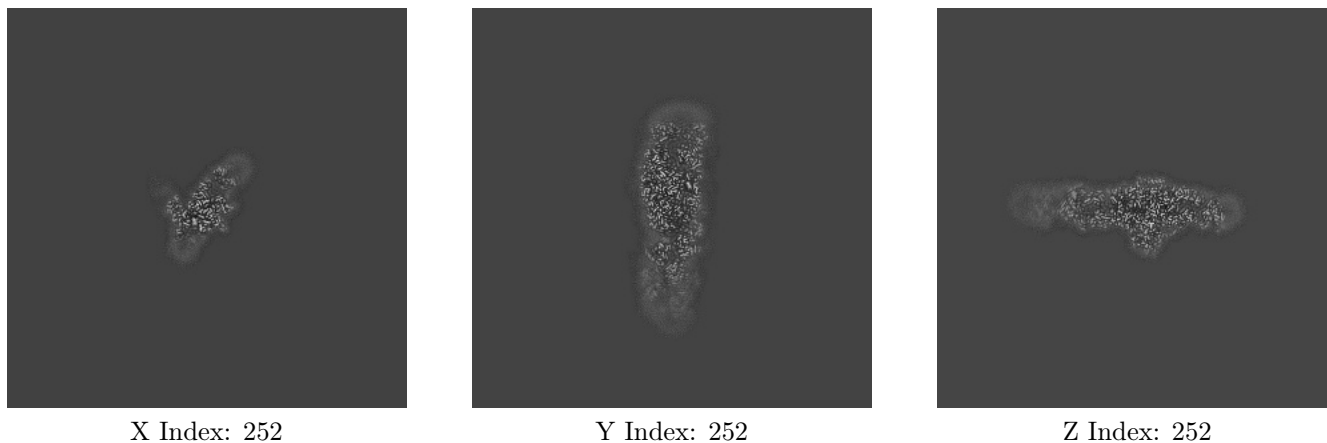
6.1.1 Primary map



The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

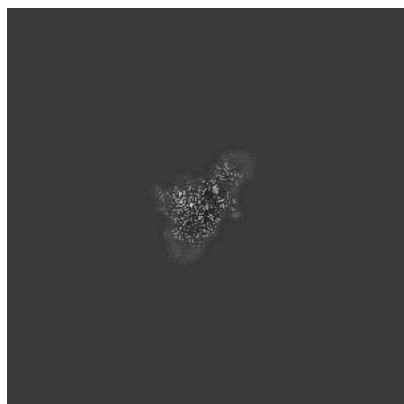
6.2.1 Primary map



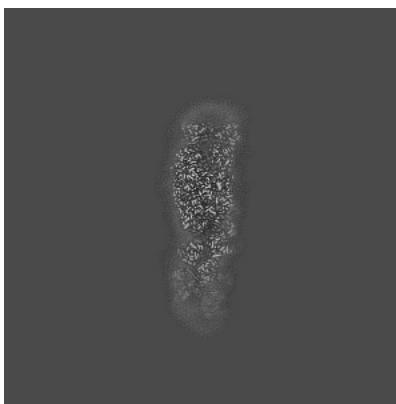
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

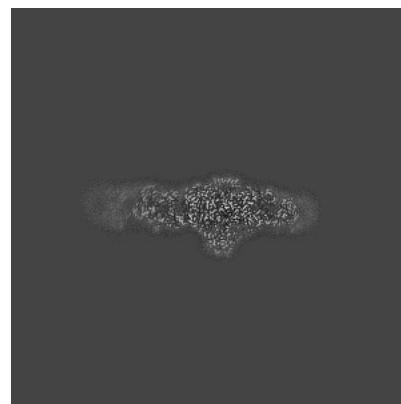
6.3.1 Primary map



X Index: 273



Y Index: 251

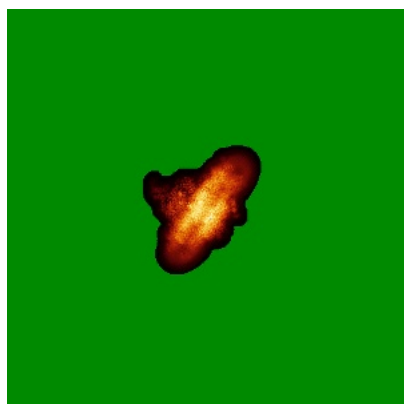


Z Index: 250

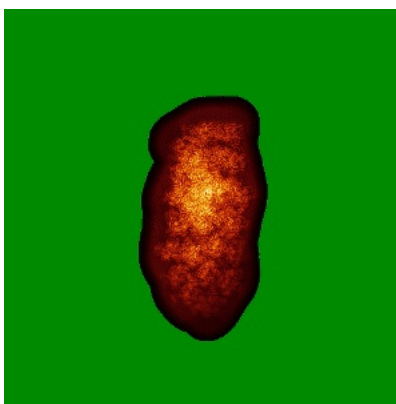
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

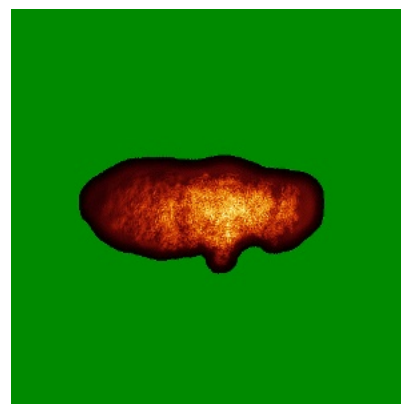
6.4.1 Primary map



X



Y

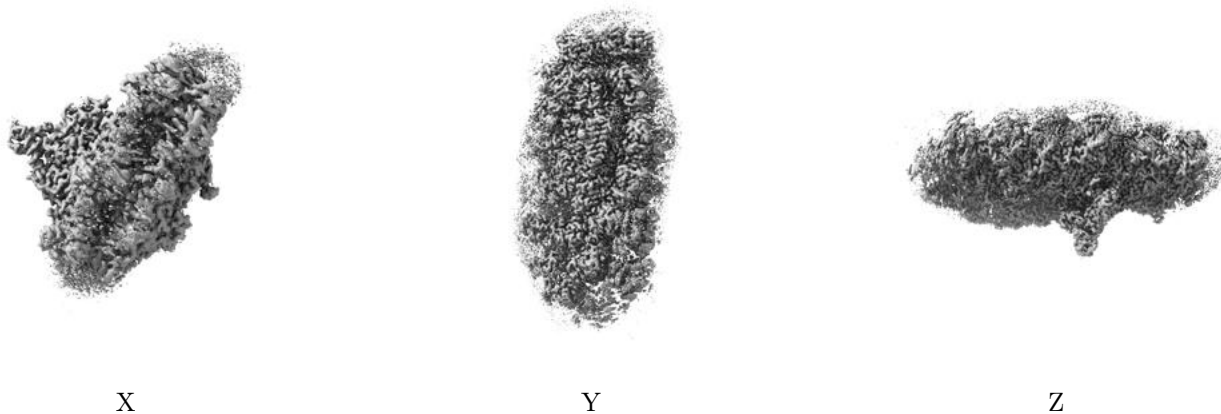


Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.045. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

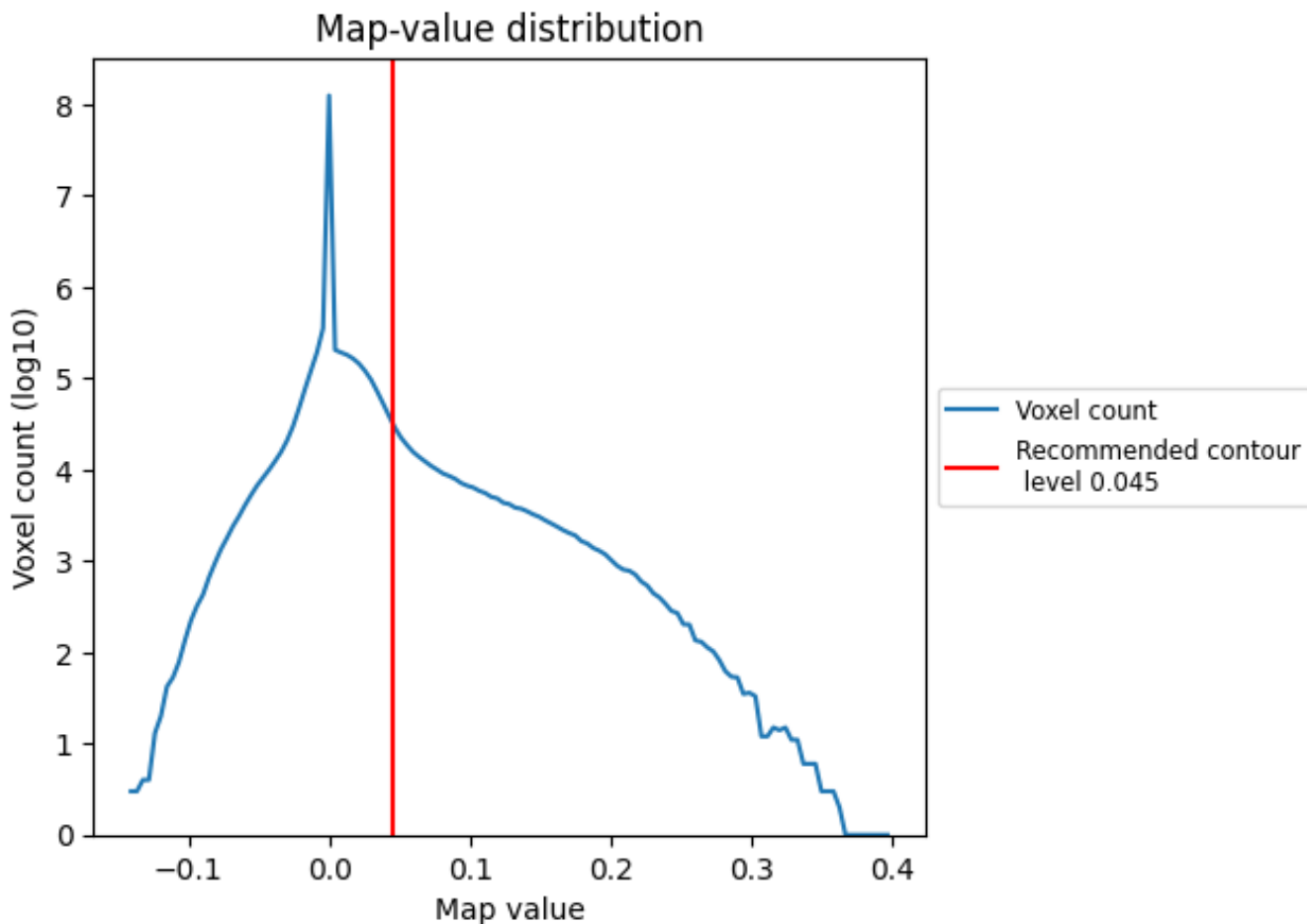
6.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

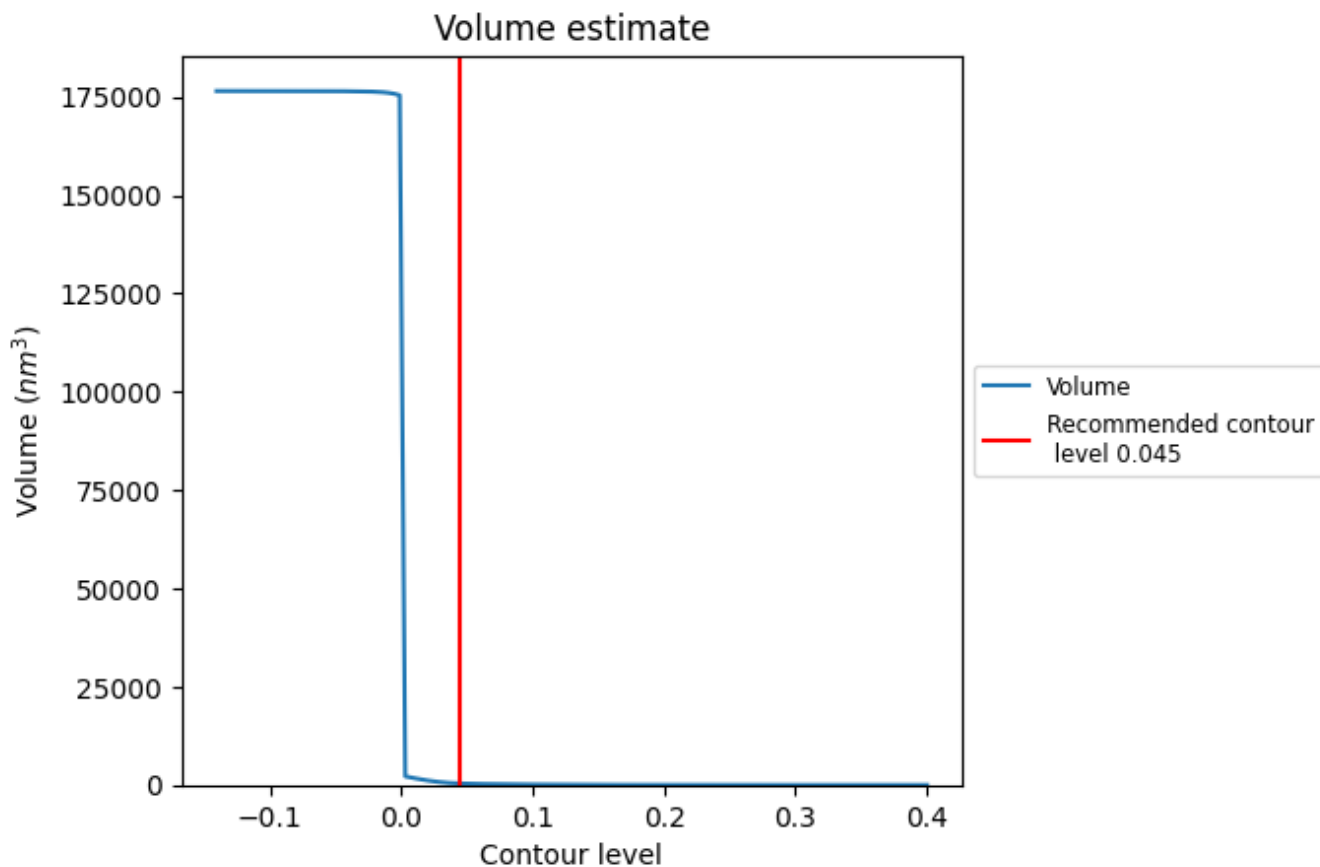
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

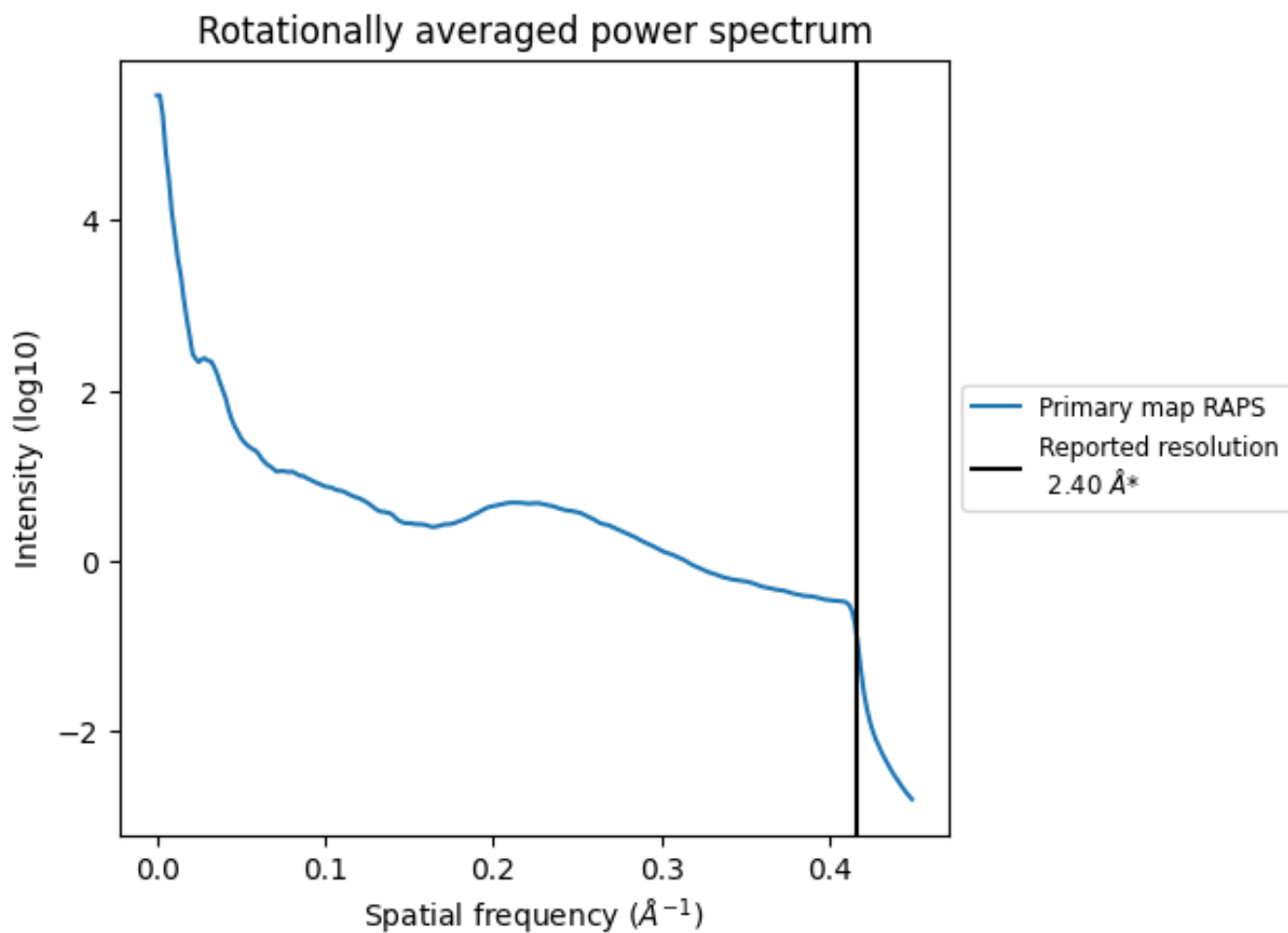
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 370 nm^3 ; this corresponds to an approximate mass of 334 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum [\(i\)](#)

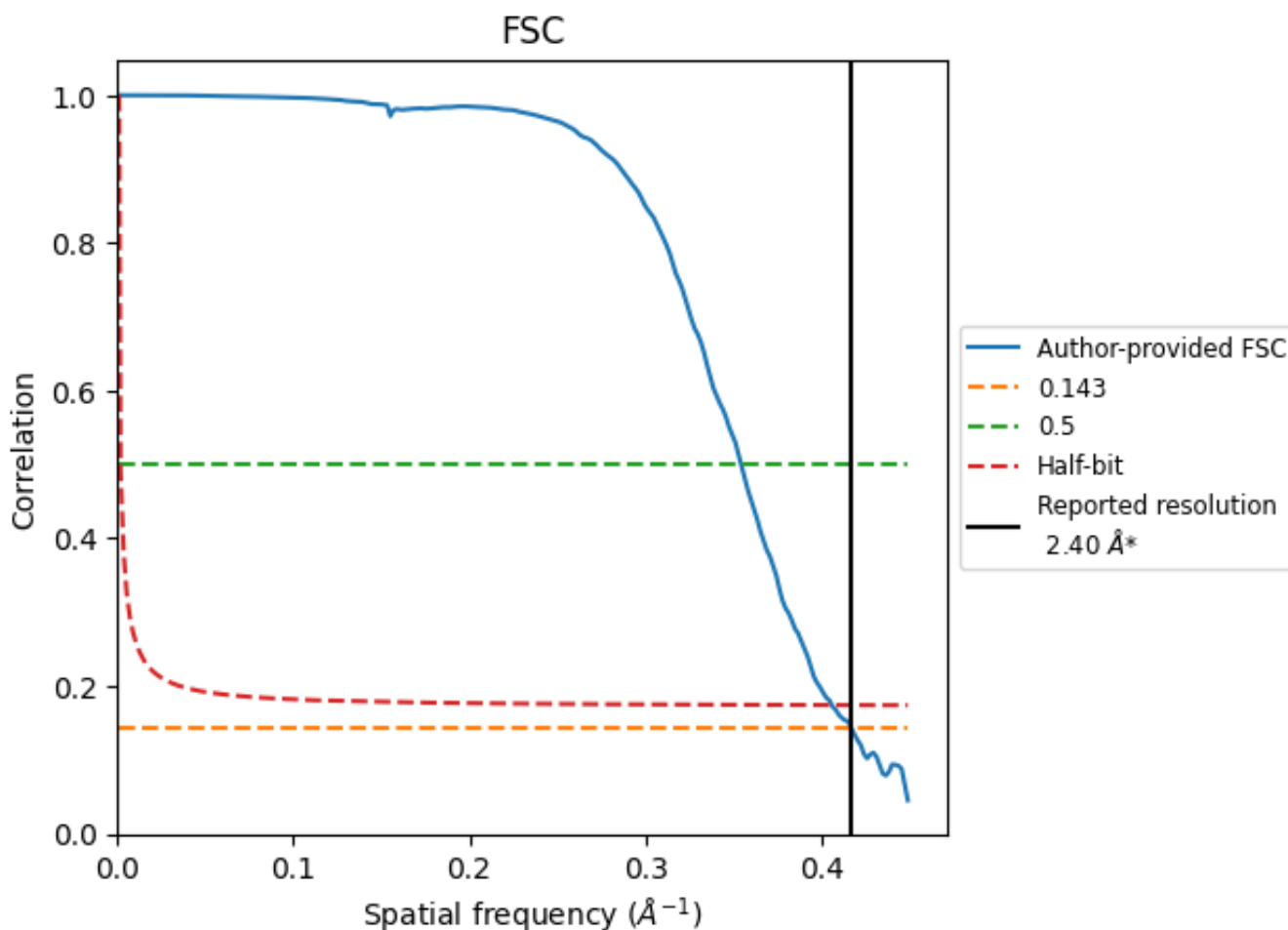


*Reported resolution corresponds to spatial frequency of 0.417 Å⁻¹

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.417 Å⁻¹

8.2 Resolution estimates [i](#)

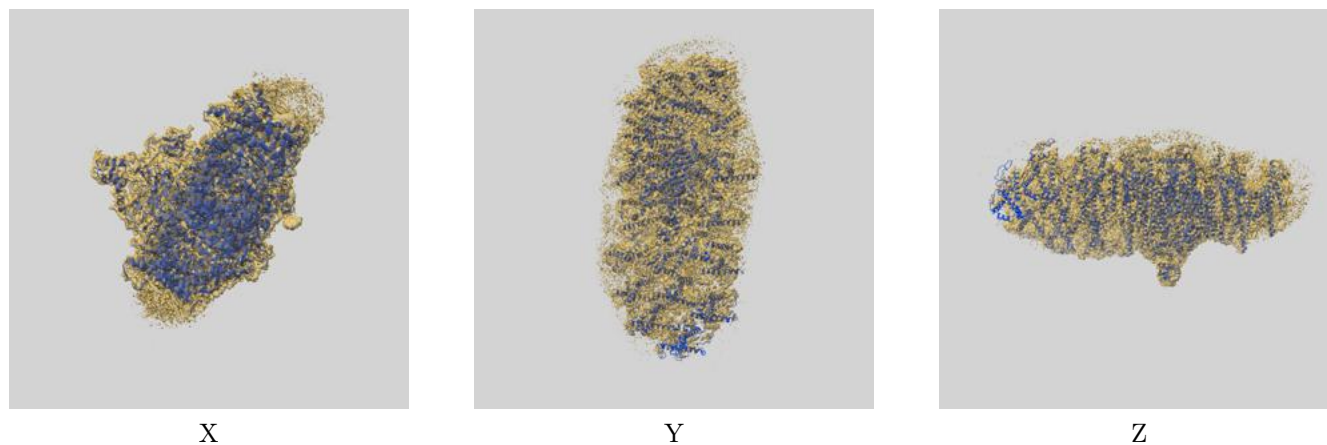
| Resolution estimate (Å) | Estimation criterion (FSC cut-off) | | |
|---------------------------|------------------------------------|------|----------|
| | 0.143 | 0.5 | Half-bit |
| Reported by author | 2.40 | - | - |
| Author-provided FSC curve | 2.40 | 2.82 | 2.46 |
| Unmasked-calculated* | - | - | - |

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

9 Map-model fit [i](#)

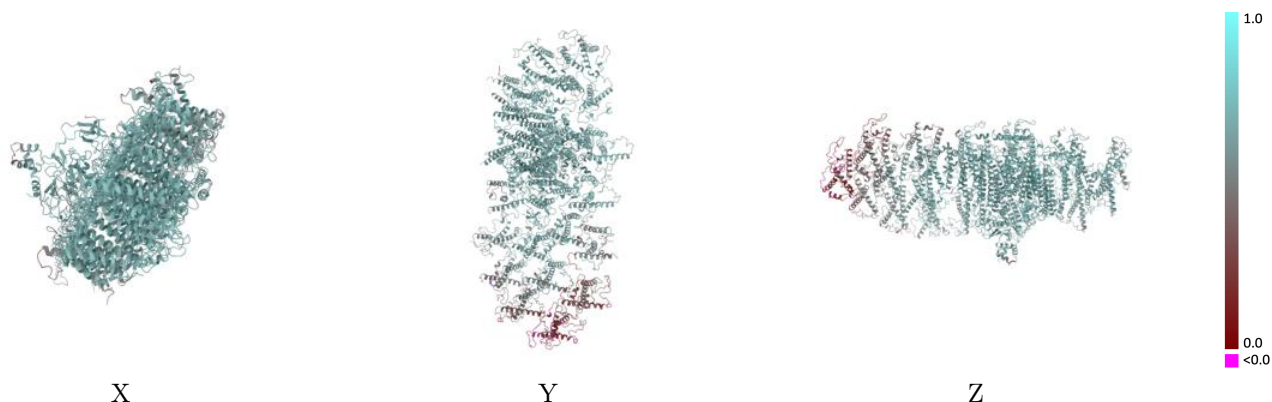
This section contains information regarding the fit between EMDB map EMD-0835 and PDB model 6L4U. Per-residue inclusion information can be found in section [3](#) on page [40](#).

9.1 Map-model overlay [i](#)



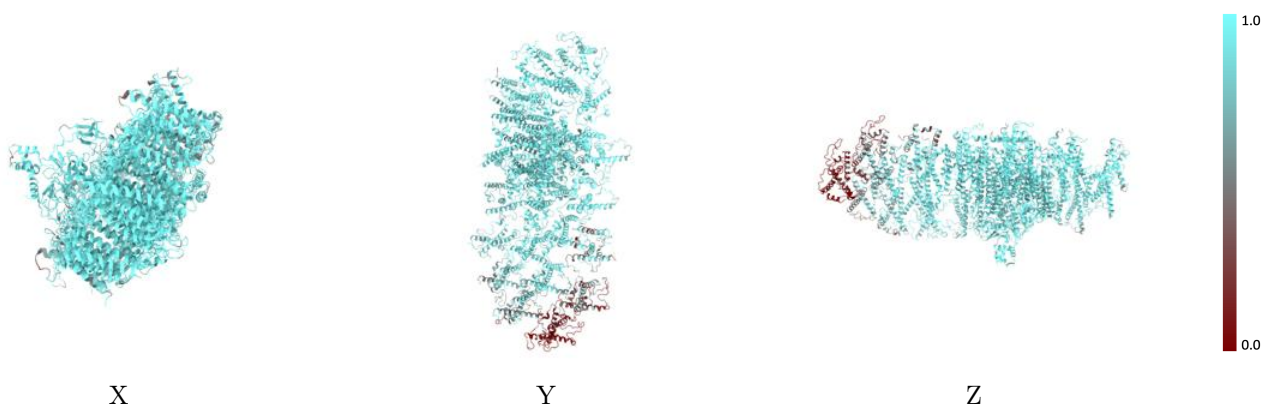
The images above show the 3D surface view of the map at the recommended contour level 0.045 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



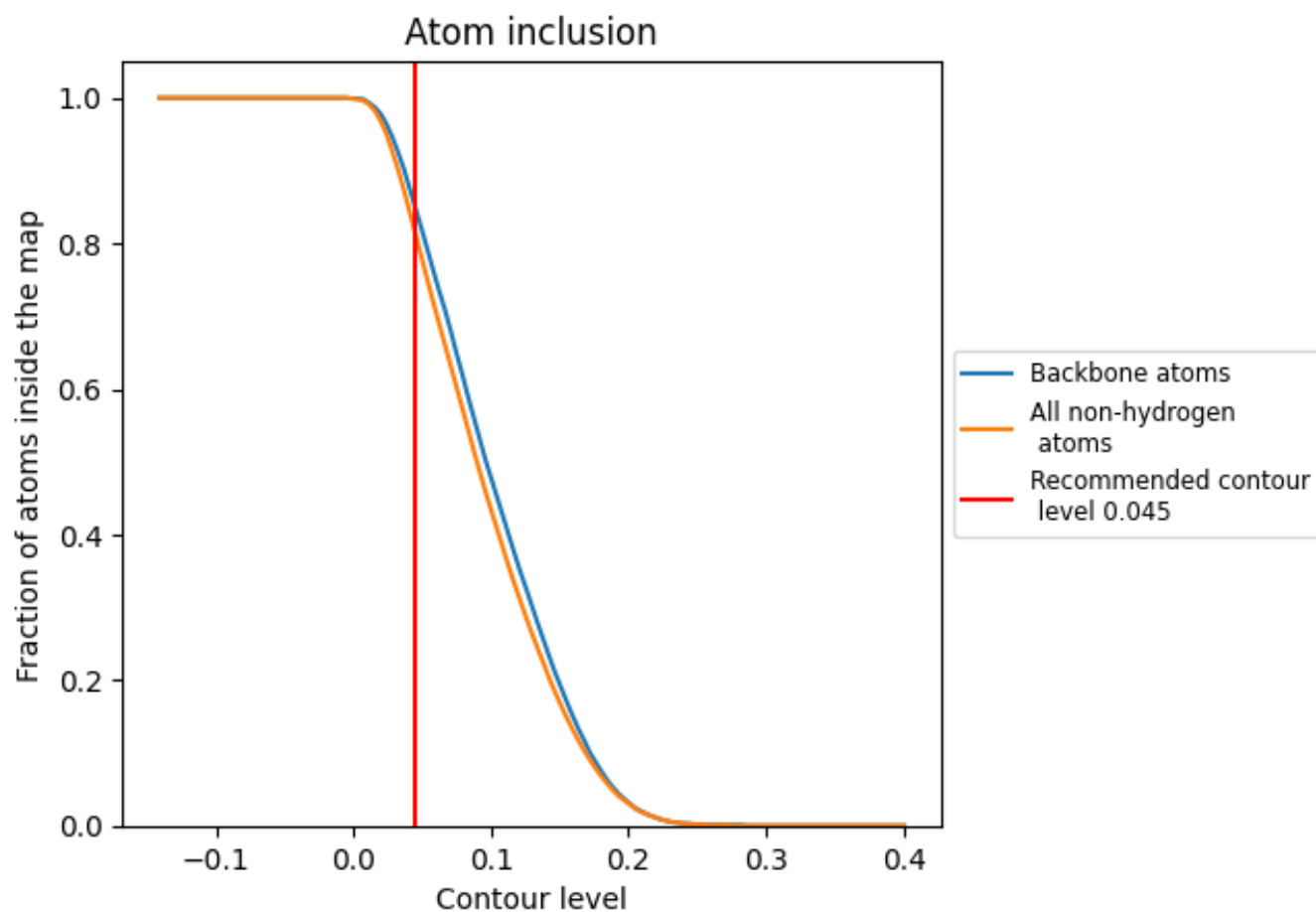
The images above show the model with each residue coloured according its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.045).



























































9.4 Atom inclusion [i](#)



At the recommended contour level, 85% of all backbone atoms, 81% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.045) and Q-score for the entire model and for each chain.

| Chain | Atom inclusion | Q-score |
|-------|--|--|
| All |  0.8130 |  0.5870 |
| 1 |  0.8160 |  0.5890 |
| 10 |  0.8010 |  0.5590 |
| 11 |  0.6960 |  0.5050 |
| 12 |  0.7640 |  0.5640 |
| 13 |  0.6120 |  0.4800 |
| 14 |  0.3760 |  0.3440 |
| 15 |  0.1110 |  0.2110 |
| 16 |  0.5790 |  0.4140 |
| 1u |  0.9010 |  0.5810 |
| 2 |  0.8680 |  0.6050 |
| 2u |  0.9370 |  0.6560 |
| 3 |  0.8200 |  0.5840 |
| 4 |  0.8600 |  0.6130 |
| 5 |  0.8460 |  0.6020 |
| 6 |  0.8750 |  0.6140 |
| 7 |  0.8830 |  0.6270 |
| 8 |  0.9030 |  0.6360 |
| 9 |  0.8260 |  0.5850 |
| A |  0.9420 |  0.6770 |
| B |  0.9490 |  0.6780 |
| C |  0.9800 |  0.6770 |
| D |  0.9540 |  0.6510 |
| E |  0.9330 |  0.6710 |
| F |  0.9250 |  0.6620 |
| I |  0.9070 |  0.6480 |
| J |  0.9410 |  0.6590 |
| L |  0.9540 |  0.6600 |
| M |  0.9200 |  0.6500 |

